



JABATAN PERDANA MENTERI  
JABATAN PERANGKAAN MALAYSIA

# INDEKS PENGELUARAN PERINDUSTRIAN *INDEX OF INDUSTRIAL PRODUCTION*

**MALAYSIA [ 2015 = 100 ]**

**JANUARI**  
*JANUARY* **2022**

**Dikeluarkan pada :** **11** **Mac** **2022**  
*Released on* *March*

## **PEMAKLUMAN / ANNOUNCEMENT**

Jabatan Perangkaan Malaysia sedang menjalankan Survei Pendapatan, Perbelanjaan Isi Rumah dan Kemudahan Asas (HIES/BA) 2022 bermula dari 1 Januari 2022 sehingga 31 Disember 2022.

*Department of Statistics Malaysia is conducting Household Income, Expenditure and Basic Amenities Survey (HIES/BA) 2022 from 1<sup>st</sup> January 2022 until 31<sup>st</sup> December 2022.*

Dimaklumkan bahawa Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah  
*"Connecting the world with data we can trust"*

*Please be informed that the Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20 each year. MyStats Day theme is "Connecting the world with data we can trust"*

Diterbitkan dan dicetak oleh/ *Published and printed by:*

**Jabatan Perangkaan Malaysia**

Blok C6, Kompleks C,

Pusat Pentadbiran Kerajaan Persekutuan

62514 Putrajaya,

**MALAYSIA**

|                                |                                                                                                                                                               |
|--------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tel.                           | : 03-8885 7000                                                                                                                                                |
| Faks                           | : 03-8888 9248                                                                                                                                                |
| Portal                         | : <a href="https://www.dosm.gov.my">https://www.dosm.gov.my</a>                                                                                               |
| Facebook / Twitter / Instagram | : StatsMalaysia                                                                                                                                               |
| Emel / Email                   | : info@dosm.gov.my (pertanyaan umum / <i>general enquiries</i> )<br>data@dosm.gov.my (pertanyaan & permintaan data /<br><i>data request &amp; enquiries</i> ) |

Harga /Price : RM7.00

Diterbitkan pada Mac 2022/*Published in March 2022*

**Hakcipta terpelihara / All rights reserved.**

Tiada bahagian daripada terbitan ini boleh diterbitkan semula, disimpan untuk pengeluaran atau ditukar dalam apa-apa bentuk atau alat apa jua pun kecuali setelah mendapat kebenaran daripada Jabatan Perangkaan Malaysia. Pengguna yang mengeluarkan sebarang maklumat dari terbitan ini sama ada yang asal atau diolah semula hendaklah meletakkan kenyataan berikut:

“Sumber : Jabatan Perangkaan Malaysia.”

*No part of this publication may be reproduced or distributed in any form or by any means or stored in database without the prior written permission from Department of Statistics, Malaysia. Users reproducing content of this publication with or without adaptation should quote the following.*

“Source : Department of Statistics Malaysia.”

**ISSN 0128 - 3480**

Penerbitan Indeks Pengeluaran Perindustrian (IPP) merupakan penerbitan bulanan yang meliputi tiga sektor utama iaitu Perlombongan, Pembuatan dan Elektrik selari dengan definisi perindustrian dalam *International Recommendations for the Index of Industrial Production (IRIIP)*, 2010. IPP telah disusun buat kali pertama dengan menggunakan tahun 1968 sebagai tahun asas (1968=100). Selepas itu ia telah diasaskan semula kepada tahun 1981, 1985, 1988, 1993, 2000, 2005, 2010 dan kini 2015.

Objektif utama IPP adalah untuk mengukur kadar perubahan sebenar pengeluaran komoditi perindustrian bagi pelbagai industri dalam ekonomi dalam tempoh masa yang ditetapkan. Ianya digunakan untuk membantu pengguna dalam merangka dasar serta membuat keputusan. Data pengeluaran produk pembuatan diperoleh daripada Survei Pembuatan Bulanan. Manakala pengeluaran minyak mentah, gas asli dan penjanaan tenaga elektrik diperoleh daripada syarikat minyak, gas dan syarikat yang menjalankan aktiviti penjanaan tenaga elektrik di Malaysia.

Ringkasan penemuan utama dan jadual terperinci indeks dipaparkan pada bahagian pertama dan kedua penerbitan. Seterusnya, diikuti dengan nota teknikal, skop dan liputan, konsep dan definisi serta kaedah pengiraan dimuatkan pada bahagian terakhir penerbitan bagi meningkatkan kefahaman berkenaan IPP.

Jabatan Perangkaan Malaysia merakamkan penghargaan atas kerjasama yang diberikan oleh responden dan juga semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam menjayakan penerbitan ini. Setiap maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat dihargai.

**Dato' Sri Dr. Mohd Uzir Mahidin**

Ketua Perangkawan Malaysia

Mac 2022

*The Industrial Production Index (IPI) publication is a monthly publication which covers three main sectors namely Mining, Manufacturing and Electricity which in line with the industrial definition in the International Recommendations for the Index of Industrial Production (IRIIP), 2010. The IPI was compiled for the first time using 1968 as the base year (1968 = 100). Subsequently, it has been rebased to 1981, 1985, 1988, 1993, 2000, 2005, 2010 and now 2015.*

*The main objective of the IPI is to measure the rate of changes in the production of industrial commodities for various industries of the economy within a specified time period. Hence, it is used to assist users in policy formulation and decision making. Data for production of manufactured products is obtained from the Monthly Manufacturing Survey. Meanwhile, production of crude oil, natural gas and electricity generation were obtained from oil, gas and electricity companies which involved in generation activities in Malaysia.*

*The summary of the main findings and the detailed index tables are presented in the first and second part of this publication. Then, followed by technical notes, scope and coverage, concepts and definitions and calculation techniques are included in the final part of this publication to enhance understanding of IPI.*

*The Department of Statistics Malaysia gratefully acknowledges the co-operation rendered by the respondents as well as all parties who have contributed directly and indirectly in making this publication a success. Every feedback and suggestion towards improving future publication is highly appreciated.*

**Dato' Sri Dr. Mohd Uzir Mahidin**

*Chief Statistician Malaysia*

*March 2022*

| KANDUNGAN<br>CONTENTS                                                                                                                                                                                                                                                                              | MUKA SURAT<br>PAGE |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|
| Kata Pengantar / <i>Preface</i>                                                                                                                                                                                                                                                                    | i-ii               |
| Kalendar Awalan Keluaran 2022 / <i>Advance Release Calendar Year 2022</i>                                                                                                                                                                                                                          | iii                |
| Ringkasan Indeks Pengeluaran Perindustrian (IPP), Januari 2022<br><i>Summary of Industrial Production Index (IPI), January 2022</i>                                                                                                                                                                | 1-6                |
| Jadual 1 : Indeks Pengeluaran Perindustrian (IPP) dan Indeks Sektor (2015=100)<br><i>Table 1 Industrial Production Index (IPI) and Sector Indices (2015=100)</i>                                                                                                                                   | 7                  |
| Jadual 1.1 : Pertumbuhan Indeks Pengeluaran Perindustrian (IPP) dan Indeks Sektor<br><i>Table 1.1 Industrial Production Index (IPI) and Sector Indices</i>                                                                                                                                         | 8                  |
| Jadual 1.2 : Indeks Pengeluaran Perindustrian (IPP) dan Indeks Sektor (2015=100)<br>Indeks Asal & Indeks Pelarasan Musim<br><i>Table 1.2 Industrial Production Index (IPI) and Sector Indices (2015=100)<br/>Original Indices &amp; Seasonally Adjusted Indices</i>                                | 9-10               |
| Jadual 2 : Indeks Perlombongan Peringkat Industri dan Komoditi (2015=100)<br><i>Table 2 Mining Indices at Industry and Commodity Level (2015=100)</i>                                                                                                                                              | 11                 |
| Jadual 3 : Indeks Pembuatan Peringkat Industri (2015=100)<br><i>Table 3 Manufacturing Indices at Industry Level (2015=100)</i>                                                                                                                                                                     | 12-54              |
| Jadual 4 : Indeks Pembuatan Peringkat Kumpulan (2015=100)<br><i>Table 4 Manufacturing Indices at Group Level (2015=100)</i>                                                                                                                                                                        | 55-76              |
| Jadual 5 : Indeks Pembuatan Peringkat Bahagian (2015=100)<br><i>Table 5 Manufacturing Indices at Division Level (2015=100)</i>                                                                                                                                                                     | 77                 |
| Jadual 5.1 : Peratus Perubahan Indeks Pembuatan Peringkat Bahagian<br><i>Table 5.1 Percentage Change of Manufacturing Indices at Division Level</i>                                                                                                                                                | 78                 |
| Jadual 6 : Indeks Pembuatan mengikut Industri Berorientasikan Eksport dan Domestik (2015=100)<br><i>Table 6 Manufacturing Indices by Exports and Domestic Oriented Industries (2015=100)</i>                                                                                                       | 79                 |
| Jadual 6.1 : Peratus Perubahan Indeks Pembuatan mengikut Industri Berorientasikan Eksport dan Domestik<br><i>Table 6.1 Percentage Change of Manufacturing Indices by Exports and Domestic Oriented Industries</i>                                                                                  | 80                 |
| Nota Teknikal / <i>Technical Notes</i> :                                                                                                                                                                                                                                                           | 81-90              |
| Lampiran I : Senarai Kumpulan, Industri dan Keterangan bagi IPP (2015=100) berdasarkan Piawaian Klasifikasi Industri Malaysia 2008, ver. 1.0<br><i>Appendix I List of Group, Industry and Description of IPI (2015=100) based on the Malaysia Standard Industrial Classification 2008, ver 1.0</i> | 91-97              |

**KALENDAR AWALAN KELUARAN 2022**  
**INDEKS PENGELUARAN PERINDUSTRIAN MALAYSIA**  
*ADVANCE RELEASE CALENDAR YEAR 2022*  
*INDUSTRIAL PRODUCTION INDEX MALAYSIA*

| <b>Bulan Rujukan</b><br><i>Reference Month</i> | <b>Tarikh</b><br><i>Date</i> |
|------------------------------------------------|------------------------------|
| <b>Januari 2022/ January 2022</b>              | 11.03.2022                   |
| <b>Februari 2022/ February 2022</b>            | 11.04.2022                   |
| <b>Mac 2022/ March 2022</b>                    | 10.05.2022                   |
| <b>April 2022/ April 2022</b>                  | 10.06.2022                   |
| <b>Mei 2022/ May 2022</b>                      | 08.07.2022                   |
| <b>Jun 2022/ June 2022</b>                     | 09.08.2022                   |
| <b>Julai 2022/ July 2022</b>                   | 09.09.2022                   |
| <b>Ogos 2022/ August 2022</b>                  | 12.10.2022                   |
| <b>September 2022/ September 2022</b>          | 08.11.2022                   |
| <b>Oktober 2022/ October 2022</b>              | 12.12.2022                   |
| <b>November 2022/ November 2022</b>            | 10.01.2023                   |
| <b>Disember 2022/ December 2022</b>            | 08.02.2023                   |

**Nota/ Notes :**

**Merujuk kepada tarikh data disebarikan kepada media atau dalam penerbitan khusus.**  
*Refers to the date of release of the data to the media or in the specific publication.*

**Tarikh siaran tertakluk kepada pindaan.**  
*Release dates are subject to change.*

**RINGKASAN PENEMUAN**  
*SUMMARY OF FINDINGS*



# JABATAN PERDANA MENTERI JABATAN PERANGKAAAN MALAYSIA



#KELUARGA  
MALAYSIA

## Indeks Pengeluaran Perindustrian (IPP) Malaysia kekal positif pada Januari 2022 dengan pertumbuhan 4.3 peratus



**Perlombongan: -5.1%**  
Dis. 2021: -2.6%  
MoM: -0.02%

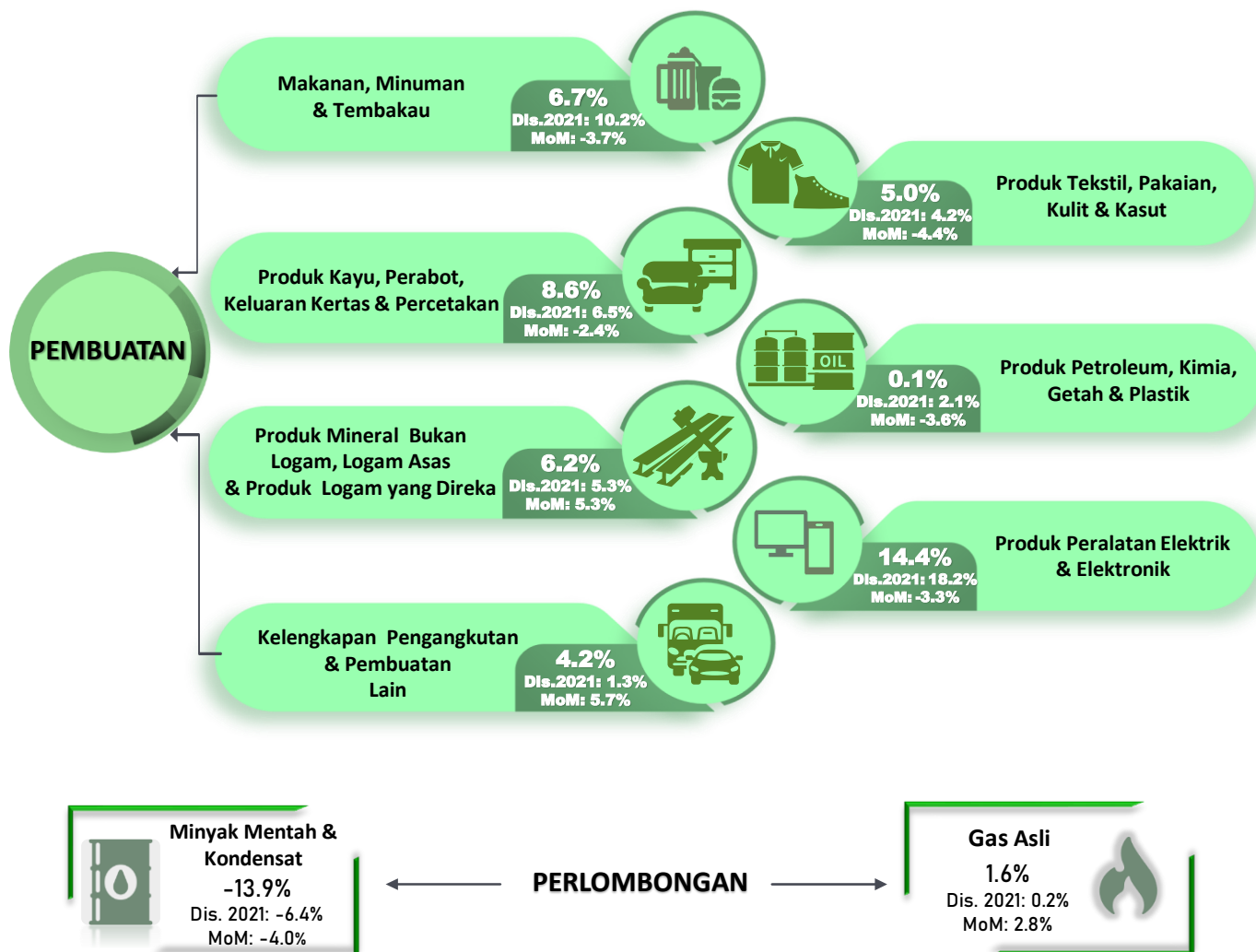


**Elektrik: 7.7%**  
Dis. 2021: 4.7%  
MoM: 0.6%

**IPP: 4.3%**  
Dis. 2021: 5.9%  
MoM: -1.2%



**Pembuatan: 6.8%**  
Dis. 2021: 8.4%  
MoM: -1.7%



**Nota:**  
Peratus merujuk kepada perubahan  
Bulan ke Bulan (MoM) dan Tahun ke Tahun (YoY)

**Sumber:**  
Indeks Pengeluaran Perindustrian Malaysia, Januari 2022  
Jabatan Perangkaan Malaysia



## Malaysia's Industrial Production Index (IPI) remained positive in January 2022 with a growth of 4.3 per cent



**IPI: 4.3%**  
Dec. 2021: 5.9%  
MoM: -1.2%

**Mining: -5.1%**  
Dec. 2021: -2.6%  
MoM: -0.02%



**Manufacturing: 6.8%**  
Dec. 2021: 8.4%  
MoM: -1.7%

**Electricity: 7.7%**  
Dec. 2021: 4.7%  
MoM: 0.6%



**Food, Beverages  
& Tobacco**

**6.7%**  
Dec. 2021: 10.2%  
MoM: -3.7%



**Wood Products, Furniture,  
Paper Products & Printing**

**8.6%**  
Dec. 2021: 6.5%  
MoM: -2.4%



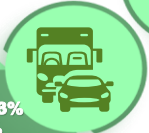
**Non-metallic Mineral  
Products, Basic Metal &  
Fabricated Metal Products**

**6.2%**  
Dec. 2021: 5.3%  
MoM: 5.3%



**Transport Equipment  
& Other Manufactures**

**4.2%**  
Dec. 2021: 1.3%  
MoM: 5.7%



**5.0%**  
Dec. 2021: 4.2%  
MoM: -4.4%

**Textiles,  
Wearing Apparel, Leather  
Products & Footwear**



**0.1%**  
Dec. 2021: 2.1%  
MoM: -3.6%

**Petroleum, Chemical,  
Rubber & Plastic  
Products**



**14.4%**  
Dec. 2021: 18.2%  
MoM: -3.3%

**Electrical & Electronics  
Products**



**Crude Oil &  
Condensate**  
**-13.9%**  
Dec. 2021: -6.4%  
MoM: -4.0%

**MINING**

**Natural Gas**

**1.6%**  
Dec. 2021: 0.2%  
MoM: 2.8%





### Jadual Ringkas Indeks Pengeluaran Perindustrian

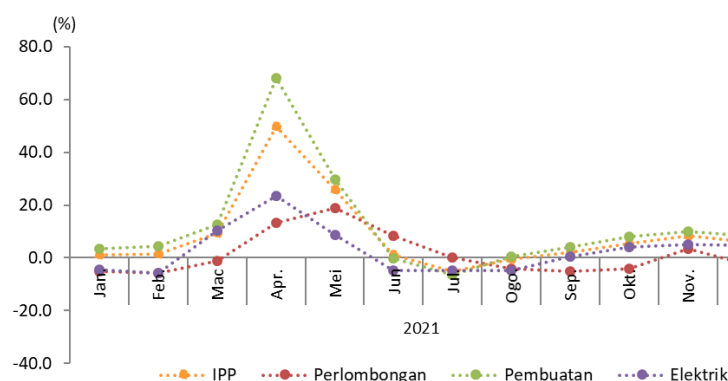
| SEKTOR                                                                            | INDEKS ASAL | PERTUMBUHAN <sup>[1]</sup><br>YoY (%) | INDEKS PM <sup>[2]</sup> | PERTUMBUHAN <sup>[3]</sup><br>MoM (%) |
|-----------------------------------------------------------------------------------|-------------|---------------------------------------|--------------------------|---------------------------------------|
| IPP                                                                               | 124.9       | 4.3                                   | 120.1                    | -1.4                                  |
|  | 95.0        | -5.1                                  | 87.7                     | -0.5                                  |
|  | 136.1       | 6.8                                   | 132.2                    | -1.8                                  |
|  | 123.4       | 7.7                                   | 121.7                    | -0.02                                 |

### 1.0. Prestasi Januari 2022

Indeks Pengeluaran Perindustrian (IPP) meningkat **4.3 peratus** pada bulan Januari 2022 berbanding bulan yang sama pada tahun sebelumnya. Pengembangan IPP ini disumbangkan oleh kenaikan **6.8 peratus** dalam indeks Pembuatan dan **7.7 peratus** dalam indeks Elektrik. Sementara itu, indeks Perlombongan mencatatkan kemerosotan **5.1 peratus**. Data siri pertumbuhan tahun ke tahun bagi IPP dan indeks komponennya adalah seperti di Carta 1.

“IPP tumbuh 4.3% pada Januari 2022”

**Carta 1: Indeks Pengeluaran Perindustrian - Pertumbuhan Tahun ke Tahun**



Bagi terma pelarasan musim, IPP pada bulan Januari 2022 merekodkan penurunan **1.4 peratus** (Carta 2). Kejatuhan tersebut dipengaruhi oleh penyusutan dalam indeks Pembuatan (**-1.8%**), indeks Perlombongan (**-0.5%**) dan indeks Elektrik (**-0.02%**).

#### Nota :

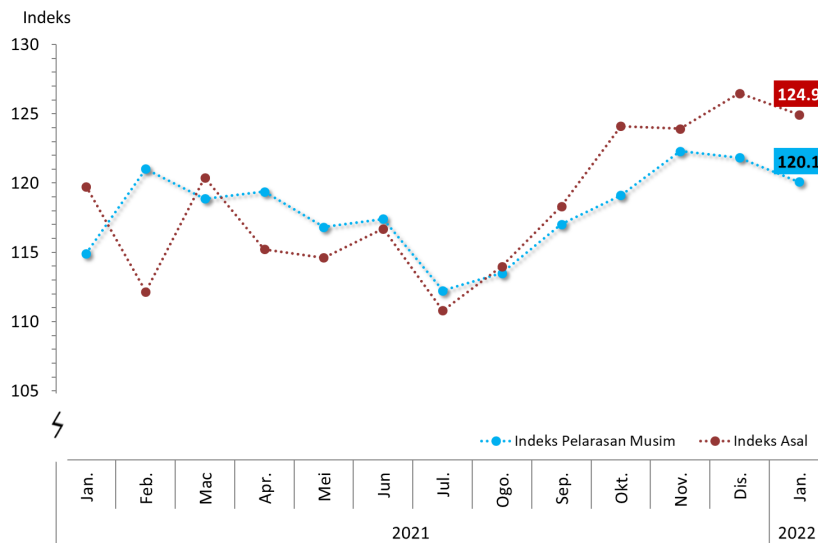
[1] Pertumbuhan Indeks Asal

[2] Pelarasan Musim

[3] Pertumbuhan Indeks Pelarasan Musim

Laporan ini boleh diperoleh daripada portal Jabatan Perangkaan Malaysia (<https://www.dosm.gov.my>) di bawah ruangan : Siaran Terkini. Data bagi bulan Januari 2022 merupakan data awalan. Data ini akan dikemaskini berdasarkan data terkini yang diperoleh dan akan diterbitkan dalam penerbitan bulan Februari 2022.

**Carta 2: IPP - Indeks Asal dan Indeks Pelarasan Bermusim**

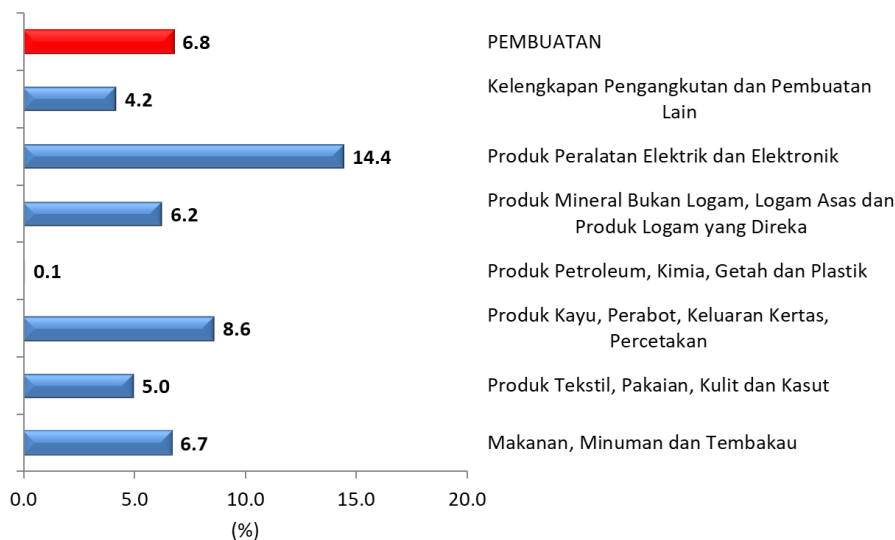


### 1.1. Prestasi Sektor Pembuatan

Berdasarkan pertumbuhan tahun ke tahun, output sektor Pembuatan meningkat **6.8 peratus** pada bulan Januari 2022 selepas mencatatkan pertumbuhan 8.4 peratus pada bulan Disember 2021. Subsektor utama yang menyumbang kepada pertumbuhan sektor Pembuatan pada Januari 2022 adalah Produk Peralatan Elektrik & Elektronik (**14.4%**), Produk Makanan, Minuman & Tembakau (**6.7%**) dan Produk Mineral Bukan Logam, Logam Asas & Produk Logam yang Direka (**6.2%**). Butiran terperinci seperti dipaparkan di Carta 3.

“ Sektor Pembuatan tumbuh **6.8%** pada bulan Januari 2022 ”

**Carta 3: Indeks Pembuatan Mengikut Subsektor - Peratus Perubahan Tahun ke Tahun**



“ Peningkatan dalam sektor Pembuatan disumbangkan terutamanya oleh **Produk Peralatan Elektrik & Elektronik** ”

## 1.2. Prestasi Sektor Perlombongan

Output sektor Perlombongan merosot **5.1 peratus** pada bulan Januari 2022 berbanding tempoh yang sama pada tahun sebelumnya. Penurunan tersebut disebabkan oleh kejatuhan **13.9 peratus** dalam indeks Minyak Mentah & Kondensat. Sementara itu, indeks Gas Asli tumbuh **1.6 peratus**.

“Sektor Perlombongan merosot **5.1%** manakala sektor Elektrik tumbuh **7.7%**”

## 1.3. Prestasi Sektor Elektrik

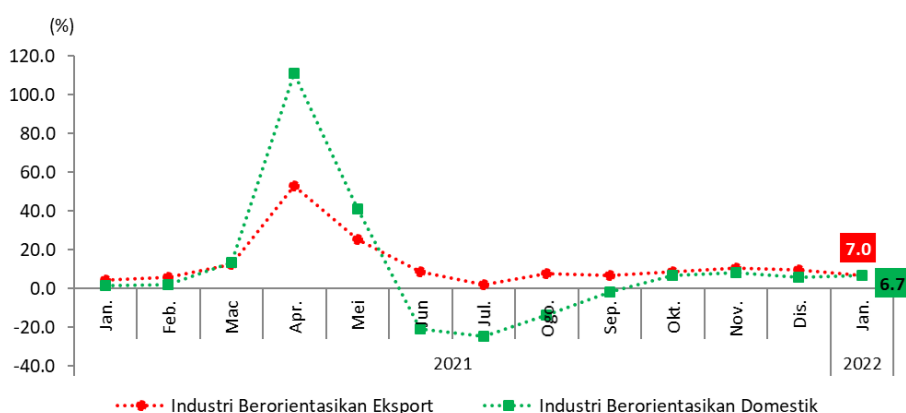
Output sektor Elektrik berkembang **7.7 peratus** pada bulan Januari 2022 berbanding bulan yang sama pada tahun sebelumnya.

## 1.4. Prestasi Industri Berorientasikan Eksport dan Domestik Sektor Pembuatan

Industri berorientasikan eksport memacu kepada pertumbuhan sektor Pembuatan sebanyak **6.7 peratus** manakala industri berorientasikan domestik tumbuh **7.0 peratus** (Carta 4). Peningkatan bagi industri berorientasikan eksport disumbangkan terutamanya oleh pembuatan komputer, produk elektronik & optikal (**16.0%**), pembuatan kelengkapan elektrik (**10.9%**) dan pembuatan kimia & produk kimia (**7.1%**). Pada masa yang sama, pertumbuhan industri berasaskan domestik dipacu oleh pembuatan kertas & produk kertas (**14.6%**), pembuatan produk makanan (**11.1%**) dan pembuatan produk logam yang direka, kecuali mesin & kelengkapan (**6.7%**).

“Industri berasaskan eksport dan domestik masing-masing tumbuh **6.7%** dan **7.0%**”

**Carta 4: Industri Berorientasikan Eksport dan Domestik Sektor Pembuatan - Peratus Perubahan Tahun ke Tahun**



# INDUSTRIAL PRODUCTION INDEX

JANUARY 2022



Summary Table of Industrial Production Index

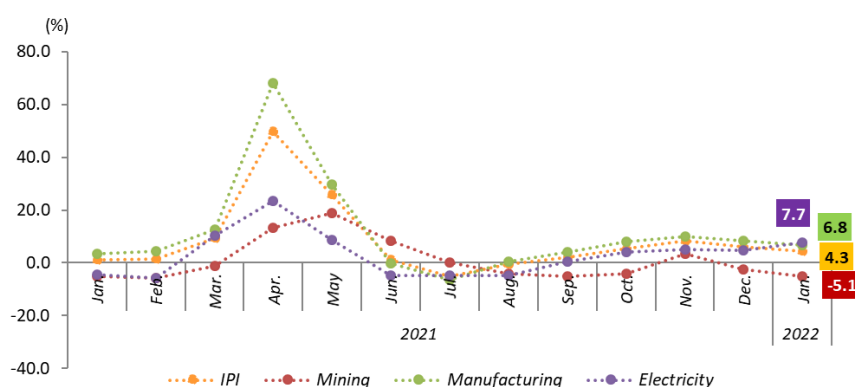
| SECTOR                                                                            | ORIGINAL INDEX | GROWTH <sup>[1]</sup> YoY (%) | INDEX SA <sup>[2]</sup> | GROWTH <sup>[3]</sup> MoM (%) |
|-----------------------------------------------------------------------------------|----------------|-------------------------------|-------------------------|-------------------------------|
| <b>IPI</b>                                                                        | <b>124.9</b>   | <b>4.3</b>                    | <b>120.1</b>            | <b>-1.4</b>                   |
|  | <b>95.0</b>    | <b>-5.1</b>                   | <b>87.7</b>             | <b>-0.5</b>                   |
|  | <b>136.1</b>   | <b>6.8</b>                    | <b>132.2</b>            | <b>-1.8</b>                   |
|  | <b>123.4</b>   | <b>7.7</b>                    | <b>121.7</b>            | <b>-0.02</b>                  |

## 1.0. Performance in January 2022

The Industrial Production Index (IPI) increased **4.3 per cent** in January 2022 as compared to the same month of the previous year. The expansion of IPI was contributed by the increment of **6.8 per cent** in Manufacturing index and **7.7 per cent** in Electricity index. Meanwhile, Mining index recorded a decline of **5.1 per cent**. The data series of year-on-year growth for IPI and its component indices are shown in Chart 1.

“IPI increased **4.3%** in January 2022 ”

Chart 1: Industrial Production Index - Growth Year-on-Year



In a seasonally adjusted terms, IPI in January 2022 recorded a decrease of **1.4 per cent** (Chart 2). The contraction was influenced by the shrinkage in Manufacturing index (**-1.8%**), Mining index (**-0.5%**) and Electricity index (**-0.02%**).

### Note :

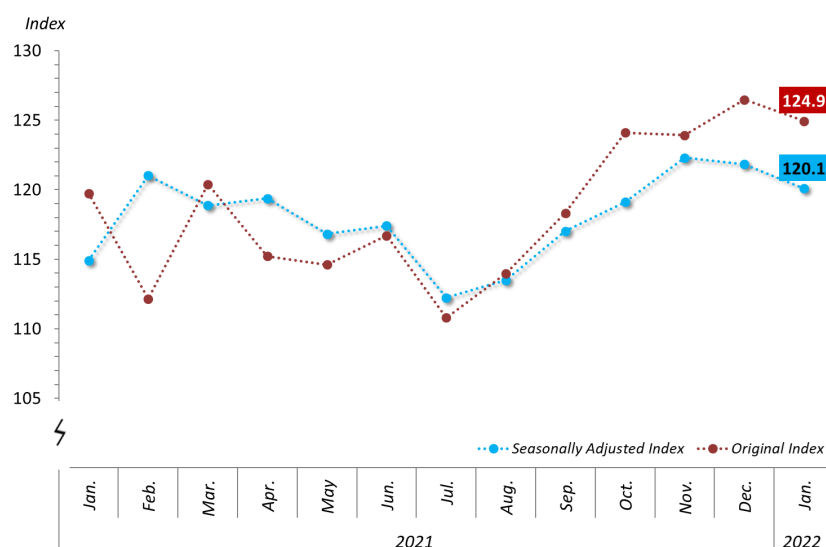
[1] Original Index Growth

[2] Seasonally Adjusted

[3] Seasonally Adjusted Growth

This report can be accessed through the web portal the Department of Statistics Malaysia (<https://www.dosm.gov.my>) under the section : Latest Releases. Data for January 2022 is provisional. The data will be updated based on the latest available figures and subsequently published in the February 2022 publication.

**Chart 2: IPI - Original and Seasonally Adjusted Index**

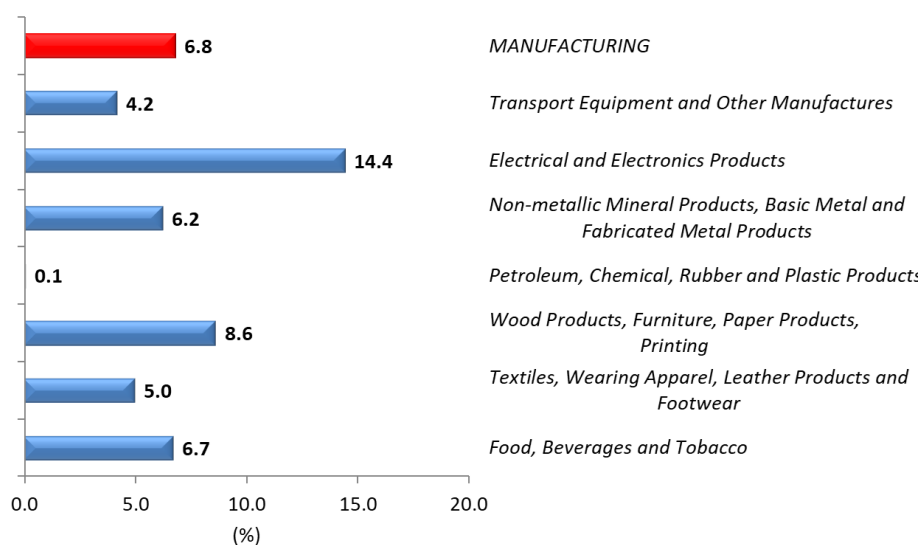


### 1.1. Performance of Manufacturing Sector

On year-on-year basis, the Manufacturing sector output increased by **6.8 per cent** in January 2022 after recording a growth of 8.4 per cent in December 2021. The main subsectors contributed to the growth in Manufacturing sector in January 2022 were Electrical & Electronics Products (**14.4%**), Food, Beverages & Tobacco Products (**6.7%**) and Non-metallic Mineral Products, Basic Metal & Fabricated Metal Products (**6.2%**). Detailed information as depicted in Chart 3.

“Manufacturing sector grew by **6.8%** in January 2022”

**Chart 3: Manufacturing Index by Subsector - Percentage Change Year-on-Year**



“The increase in Manufacturing sector was mainly contributed by **Electrical & Electronics Products**”

## 1.2. Performance of Mining Sector

The Mining sector output declined **5.1 per cent** in January 2022 as compared to the same period of the previous year. The deterioration was affected by the decrease of **13.9 per cent** in Crude Oil & Condensate index. Meanwhile, Natural Gas index grew **1.6 per cent**.

“Mining sector declined by **5.1%** while Electricity sector grew **7.7%**”

## 1.3. Performance of Electricity Sector

The Electricity sector output rose **7.7 per cent** in January 2022 as compared to the same month of the previous year.

## 1.4. Performance of Export and Domestic Oriented Industry in Manufacturing Sector

The export-oriented industry driven the growth of the Manufacturing sector by **6.7 per cent** while domestic-oriented industry grew by **7.0 per cent** (Chart 4). The increase in export-oriented industry was mainly supported by the manufacture of computer, electronics & optical products (**16.0%**), manufacture of electrical equipment (**10.9%**) and manufacture of chemicals & chemical products (**7.1%**). Simultaneously, the growth in the domestic-based industry was contributed by the manufacture of paper & paper products (**14.6%**), manufacture of food products (**11.1%**) and manufacture of fabricated metal products, except machinery & equipment (**6.7%**).

“Export and domestic-oriented industry grew **6.7%** and **7.0%** respectively”

**Chart 4: Export and Domestic Oriented Industries Manufacturing Sector - Percentage Change Year-on-Year**



**JADUAL**  
*TABLE*

**Jadual 1: Indeks Pengeluaran Perindustrian (IPP) dan Indeks Sektor (2015=100)**

*Table 1: Industrial Production Index (IPI) and Sector Indices (2015=100)*

| <b>Tahun</b><br><i>Year</i> | <b>Tempoh</b><br><i>Period</i> | <b>IPP</b><br><i>IPI</i> | <b>Perlombongan</b><br><i>Mining</i> | <b>Pembuatan</b><br><i>Manufacturing</i> | <b>Elektrik</b><br><i>Electricity</i> |
|-----------------------------|--------------------------------|--------------------------|--------------------------------------|------------------------------------------|---------------------------------------|
|                             |                                |                          |                                      |                                          |                                       |
| <b>Sektor/ Sectors</b>      | <b>Jumlah/ Total</b>           |                          | <b>B</b>                             | <b>C</b>                                 | <b>D</b>                              |
| <b>Wajaran/ Weight 2015</b> | <b>100.00</b>                  |                          | <b>25.14</b>                         | <b>68.25</b>                             | <b>6.61</b>                           |
| <b>2019</b>                 |                                | 114.8                    | 99.3                                 | 120.1                                    | 119.2                                 |
| <b>2020</b>                 |                                | 110.1                    | 90.5                                 | 116.9                                    | 114.8                                 |
| <b>2021</b>                 |                                | 118.1                    | 91.3                                 | 128.1                                    | 117.5                                 |
| <b>2020</b>                 | <b>Q1</b>                      | 113.0                    | 100.5                                | 117.3                                    | 116.1                                 |
|                             | <b>Q2</b>                      | 94.6                     | 82.6                                 | 97.7                                     | 107.7                                 |
|                             | <b>Q3</b>                      | 115.8                    | 86.4                                 | 126.5                                    | 118.1                                 |
|                             | <b>Q4</b>                      | 117.2                    | 92.5                                 | 126.3                                    | 117.2                                 |
| <b>2021</b>                 | <b>Q1</b>                      | 117.4                    | 96.4                                 | 125.3                                    | 115.9                                 |
|                             | <b>Q2</b>                      | 115.5                    | 93.8                                 | 123.4                                    | 117.0                                 |
|                             | <b>Q3</b>                      | 114.4                    | 83.8                                 | 125.6                                    | 114.5                                 |
|                             | <b>Q4</b>                      | 125.2                    | 91.3                                 | 137.9                                    | 122.6                                 |
| <b>2020</b>                 | <b>Jan.</b>                    | 118.5                    | 105.4                                | 123.1                                    | 120.0                                 |
|                             | <b>Feb.</b>                    | 110.5                    | 97.4                                 | 115.0                                    | 114.6                                 |
|                             | <b>Mar.</b>                    | 110.0                    | 98.7                                 | 113.8                                    | 113.7                                 |
|                             | <b>Apr.</b>                    | 77.0                     | 81.9                                 | 73.1                                     | 98.6                                  |
|                             | <b>May</b>                     | 91.2                     | 81.4                                 | 92.8                                     | 112.2                                 |
|                             | <b>Jun.</b>                    | 115.4                    | 84.5                                 | 127.1                                    | 112.4                                 |
|                             | <b>Jul.</b>                    | 116.8                    | 87.9                                 | 127.4                                    | 117.2                                 |
|                             | <b>Aug.</b>                    | 114.7                    | 86.2                                 | 124.7                                    | 120.7                                 |
|                             | <b>Sep.</b>                    | 115.9                    | 85.0                                 | 127.3                                    | 116.3                                 |
|                             | <b>Oct.</b>                    | 117.8                    | 90.8                                 | 127.4                                    | 120.9                                 |
|                             | <b>Nov.</b>                    | 114.3                    | 89.0                                 | 123.7                                    | 113.7                                 |
|                             | <b>Dec.</b>                    | 119.5                    | 97.5                                 | 127.8                                    | 117.1                                 |
| <b>2021</b>                 | <b>Jan.</b>                    | 119.7                    | 100.0                                | 127.5                                    | 114.5                                 |
|                             | <b>Feb.</b>                    | 112.2                    | 91.7                                 | 120.1                                    | 107.9                                 |
|                             | <b>Mar.</b>                    | 120.4                    | 97.6                                 | 128.3                                    | 125.4                                 |
|                             | <b>Apr.</b>                    | 115.2                    | 92.8                                 | 122.8                                    | 121.8                                 |
|                             | <b>May</b>                     | 114.6                    | 96.9                                 | 120.4                                    | 122.1                                 |
|                             | <b>Jun.</b>                    | 116.7                    | 91.6                                 | 126.9                                    | 107.0                                 |
|                             | <b>Jul.</b>                    | 110.8                    | 88.0                                 | 119.1                                    | 111.8                                 |
|                             | <b>Aug.</b>                    | 114.0                    | 82.7                                 | 125.4                                    | 114.9                                 |
|                             | <b>Sep.</b>                    | 118.3                    | 80.7                                 | 132.3                                    | 116.8                                 |
|                             | <b>Oct.</b>                    | 124.1                    | 86.9                                 | 137.6                                    | 125.8                                 |
|                             | <b>Nov.</b>                    | 125.1                    | 92.1                                 | 137.7                                    | 119.4                                 |
|                             | <b>Dec.</b>                    | 126.5                    | 95.0                                 | 138.5                                    | 122.6                                 |
| <b>2022</b>                 | <b>Jan.</b>                    | 124.9                    | 95.0                                 | 136.1                                    | 123.4                                 |

**Jadual 1.1: Pertumbuhan Indeks Pengeluaran Perindustrian (IPP) dan Indeks Sektor**

*Table 1.1: Industrial Production Index (IPI) and Sector Indices Growth*

|                      |                         | IPP/ IPI                                                               |                                                                          | Perlombongan/ Mining                                                   |                                                                          | Pembuatan/ Manufacturing                                               |                                                                          | Elektrik/ Electricity                                                  |                                                                          |
|----------------------|-------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------|--------------------------------------------------------------------------|
| Tahun<br><i>Year</i> | Tempoh<br><i>Period</i> | %<br>Perubahan<br>tahun ke<br>tahun<br><i>change year-<br/>on-year</i> | %<br>Perubahan<br>bulan ke<br>bulan<br><i>change month-on-<br/>month</i> | %<br>Perubahan<br>tahun ke<br>tahun<br><i>change year-<br/>on-year</i> | %<br>Perubahan<br>bulan ke<br>bulan<br><i>change month-on-<br/>month</i> | %<br>Perubahan<br>tahun ke<br>tahun<br><i>change year-<br/>on-year</i> | %<br>Perubahan<br>bulan ke<br>bulan<br><i>change month-on-<br/>month</i> | %<br>Perubahan<br>tahun ke<br>tahun<br><i>change year-<br/>on-year</i> | %<br>Perubahan<br>bulan ke<br>bulan<br><i>change month-on-<br/>month</i> |
| Sektor/ Sectors      |                         | Jumlah/ Total                                                          |                                                                          | B                                                                      |                                                                          | C                                                                      |                                                                          | D                                                                      |                                                                          |
| Wajaran/ Weight 2015 |                         | 100.00                                                                 |                                                                          | 25.14                                                                  |                                                                          | 68.25                                                                  |                                                                          | 6.61                                                                   |                                                                          |
| 2019                 |                         | 2.4                                                                    |                                                                          | -1.3                                                                   |                                                                          | 3.6                                                                    |                                                                          | 3.3                                                                    |                                                                          |
| 2020                 |                         | -4.1                                                                   |                                                                          | -8.9                                                                   |                                                                          | -2.7                                                                   |                                                                          | -3.7                                                                   |                                                                          |
| 2021                 |                         | 7.2                                                                    |                                                                          | 0.9                                                                    |                                                                          | 9.5                                                                    |                                                                          | 2.4                                                                    |                                                                          |
| 2020                 | Q1                      | 0.4                                                                    |                                                                          | -2.1                                                                   |                                                                          | 1.3                                                                    |                                                                          | -0.4                                                                   |                                                                          |
|                      | Q2                      | -17.6                                                                  |                                                                          | -18.1                                                                  |                                                                          | -18.1                                                                  |                                                                          | -10.8                                                                  |                                                                          |
|                      | Q3                      | 1.1                                                                    |                                                                          | -5.2                                                                   |                                                                          | 3.1                                                                    |                                                                          | -2.8                                                                   |                                                                          |
|                      | Q4                      | -0.2                                                                   |                                                                          | -10.0                                                                  |                                                                          | 2.8                                                                    |                                                                          | -0.6                                                                   |                                                                          |
| 2021                 | Q1                      | 3.9                                                                    |                                                                          | -4.0                                                                   |                                                                          | 6.8                                                                    |                                                                          | -0.1                                                                   |                                                                          |
|                      | Q2                      | 22.2                                                                   |                                                                          | 13.5                                                                   |                                                                          | 26.3                                                                   |                                                                          | 8.6                                                                    |                                                                          |
|                      | Q3                      | -1.3                                                                   |                                                                          | -3.0                                                                   |                                                                          | -0.7                                                                   |                                                                          | -3.1                                                                   |                                                                          |
|                      | Q4                      | 6.8                                                                    |                                                                          | -1.2                                                                   |                                                                          | 9.2                                                                    |                                                                          | 4.6                                                                    |                                                                          |
| 2020                 | Jan.                    | 0.7                                                                    | 0.9                                                                      | -3.6                                                                   | 2.3                                                                      | 2.2                                                                    | 0.4                                                                      | -0.01                                                                  | 2.4                                                                      |
|                      | Feb.                    | 6.0                                                                    | -6.7                                                                     | 5.4                                                                    | -7.7                                                                     | 6.2                                                                    | -6.6                                                                     | 6.8                                                                    | -4.5                                                                     |
|                      | Mar.                    | -5.0                                                                   | -0.5                                                                     | -7.2                                                                   | 1.3                                                                      | -4.1                                                                   | -1.0                                                                     | -7.0                                                                   | -0.8                                                                     |
|                      | Apr.                    | -31.6                                                                  | -30.0                                                                    | -18.1                                                                  | -17.0                                                                    | -37.2                                                                  | -35.8                                                                    | -19.3                                                                  | -13.3                                                                    |
|                      | May                     | -21.5                                                                  | 18.5                                                                     | -21.5                                                                  | -0.6                                                                     | -22.6                                                                  | 26.9                                                                     | -10.3                                                                  | 13.8                                                                     |
|                      | Jun.                    | 0.1                                                                    | 26.5                                                                     | -14.5                                                                  | 3.8                                                                      | 4.7                                                                    | 37.0                                                                     | -2.4                                                                   | 0.2                                                                      |
|                      | Jul.                    | 1.8                                                                    | 1.2                                                                      | 0.0                                                                    | 4.0                                                                      | 2.9                                                                    | 0.2                                                                      | -5.0                                                                   | 4.2                                                                      |
|                      | Aug.                    | -0.1                                                                   | -1.8                                                                     | -7.9                                                                   | -1.9                                                                     | 2.2                                                                    | -2.1                                                                     | -1.1                                                                   | 3.0                                                                      |
|                      | Sep.                    | 1.5                                                                    | 1.0                                                                      | -7.4                                                                   | -1.4                                                                     | 4.3                                                                    | 2.1                                                                      | -2.1                                                                   | -3.7                                                                     |
|                      | Oct.                    | -0.2                                                                   | 1.6                                                                      | -9.1                                                                   | 6.9                                                                      | 2.4                                                                    | 0.1                                                                      | 0.8                                                                    | 3.9                                                                      |
|                      | Nov.                    | -2.2                                                                   | -2.9                                                                     | -15.5                                                                  | -2.0                                                                     | 2.0                                                                    | -2.9                                                                     | -2.5                                                                   | -6.0                                                                     |
|                      | Dec.                    | 1.7                                                                    | 4.5                                                                      | -5.4                                                                   | 9.6                                                                      | 4.1                                                                    | 3.3                                                                      | -0.2                                                                   | 3.0                                                                      |
| 2021                 | Jan.                    | 1.1                                                                    | 0.2                                                                      | -5.1                                                                   | 2.6                                                                      | 3.5                                                                    | -0.2                                                                     | -4.6                                                                   | -2.2                                                                     |
|                      | Feb.                    | 1.5                                                                    | -6.3                                                                     | -5.9                                                                   | -8.4                                                                     | 4.5                                                                    | -5.8                                                                     | -5.8                                                                   | -5.8                                                                     |
|                      | Mar.                    | 9.4                                                                    | 7.3                                                                      | -1.1                                                                   | 6.5                                                                      | 12.7                                                                   | 6.8                                                                      | 10.3                                                                   | 16.2                                                                     |
|                      | Apr.                    | 49.6                                                                   | -4.3                                                                     | 13.3                                                                   | -4.9                                                                     | 68.0                                                                   | -4.3                                                                     | 23.6                                                                   | -2.9                                                                     |
|                      | May                     | 25.6                                                                   | -0.5                                                                     | 18.9                                                                   | 4.4                                                                      | 29.8                                                                   | -2.0                                                                     | 8.8                                                                    | 0.2                                                                      |
|                      | Jun.                    | 1.1                                                                    | 1.8                                                                      | 8.4                                                                    | -5.4                                                                     | -0.2                                                                   | 5.4                                                                      | -4.8                                                                   | -12.3                                                                    |
|                      | Jul.                    | -5.1                                                                   | -5.1                                                                     | 0.1                                                                    | -4.0                                                                     | -6.5                                                                   | -6.1                                                                     | -4.6                                                                   | 4.5                                                                      |
|                      | Aug.                    | -0.7                                                                   | 2.9                                                                      | -4.0                                                                   | -6.0                                                                     | 0.6                                                                    | 5.3                                                                      | -4.8                                                                   | 2.8                                                                      |
|                      | Sep.                    | 2.1                                                                    | 3.8                                                                      | -5.1                                                                   | -2.4                                                                     | 4.0                                                                    | 5.5                                                                      | 0.4                                                                    | 1.6                                                                      |
|                      | Oct.                    | 5.3                                                                    | 4.9                                                                      | -4.3                                                                   | 7.8                                                                      | 8.0                                                                    | 4.0                                                                      | 4.1                                                                    | 7.7                                                                      |
|                      | Nov.                    | 9.4                                                                    | 0.8                                                                      | 3.5                                                                    | 6.0                                                                      | 11.3                                                                   | 0.1                                                                      | 5.1                                                                    | -5.0                                                                     |
|                      | Dec.                    | 5.9                                                                    | 1.1                                                                      | -2.6                                                                   | 3.1                                                                      | 8.4                                                                    | 0.5                                                                      | 4.7                                                                    | 2.7                                                                      |
| 2022                 | Jan.                    | 4.3                                                                    | -1.2                                                                     | -5.1                                                                   | -0.02                                                                    | 6.8                                                                    | -1.7                                                                     | 7.7                                                                    | 0.6                                                                      |

Jadual 1.2: Indeks Pengeluaran Perindustrian (IPP) dan Indeks Sektor (2015=100)-Indeks Asal & Indeks Pelarasan Musim

Table 1.2: Industrial Production Index (IPI) and Sector Indices (2015=100)-Original Index & Seasonally Adjusted Index

| Tahun<br>Year       | Tempoh<br>Period | IPP/ IPI       |                                   |                                       | Perlombongan/ Mining |                                   |                                       |
|---------------------|------------------|----------------|-----------------------------------|---------------------------------------|----------------------|-----------------------------------|---------------------------------------|
|                     |                  | Indeks Asal    | Indeks Pelarasan<br>Musim (PM)    | % Perubahan<br>bulan ke bulan<br>(PM) | Indeks Asal          | Indeks Pelarasan<br>Musim (PM)    | % Perubahan<br>bulan ke bulan<br>(PM) |
|                     |                  | Original Index | Seasonally<br>Adjusted Index (SA) | % Change month-<br>on-month (SA)      | Original Index       | Seasonally<br>Adjusted Index (SA) | % Change month-<br>on-month (SA)      |
| Sektor/ Sectors     |                  | Jumlah/ Total  |                                   |                                       | B                    |                                   |                                       |
| Wajaran/Weight 2015 |                  | 100.00         |                                   |                                       | 25.14                |                                   |                                       |
| 2019                | Jan.             | 117.7          | 113.5                             | 0.9                                   | 109.4                | 101.7                             | 0.8                                   |
|                     | Feb.             | 104.2          | 112.9                             | -0.5                                  | 92.4                 | 96.5                              | -5.1                                  |
|                     | Mar.             | 115.8          | 114.5                             | 1.4                                   | 106.3                | 101.2                             | 4.9                                   |
|                     | Apr.             | 112.6          | 116.9                             | 2.1                                   | 99.9                 | 102.6                             | 1.3                                   |
|                     | May              | 116.2          | 117.8                             | 0.8                                   | 103.7                | 103.1                             | 0.5                                   |
|                     | Jun.             | 115.3          | 116.0                             | -1.5                                  | 98.8                 | 101.6                             | -1.5                                  |
|                     | Jul.             | 114.7          | 115.6                             | -0.3                                  | 87.9                 | 91.0                              | -10.4                                 |
|                     | Aug.             | 114.8          | 114.5                             | -1.0                                  | 93.6                 | 98.7                              | 8.5                                   |
|                     | Sep.             | 114.2          | 113.6                             | -0.7                                  | 91.7                 | 98.8                              | 0.1                                   |
|                     | Oct.             | 118.0          | 113.8                             | 0.2                                   | 99.9                 | 99.6                              | 0.8                                   |
|                     | Nov.             | 116.9          | 114.9                             | 0.9                                   | 105.3                | 100.7                             | 1.2                                   |
|                     | Dec.             | 117.4          | 113.6                             | -1.1                                  | 103.1                | 96.0                              | -4.7                                  |
| 2020                | Jan.             | 118.5          | 113.7                             | 0.0                                   | 105.4                | 96.3                              | 0.3                                   |
|                     | Feb.             | 110.5          | 119.2                             | 4.9                                   | 97.4                 | 100.3                             | 4.2                                   |
|                     | Mar.             | 110.0          | 108.8                             | -8.7                                  | 98.7                 | 93.9                              | -6.4                                  |
|                     | Apr.             | 77.0           | 79.5                              | -27.0                                 | 81.9                 | 81.8                              | -12.8                                 |
|                     | May              | 91.2           | 92.5                              | 16.4                                  | 81.4                 | 79.2                              | -3.1                                  |
|                     | Jun.             | 115.4          | 115.7                             | 25.1                                  | 84.5                 | 84.8                              | 7.0                                   |
|                     | Jul.             | 116.8          | 117.8                             | 1.9                                   | 87.9                 | 89.2                              | 5.2                                   |
|                     | Aug.             | 114.7          | 114.4                             | -2.9                                  | 86.2                 | 90.8                              | 1.8                                   |
|                     | Sep.             | 115.9          | 114.4                             | 0.1                                   | 85.0                 | 89.2                              | -1.8                                  |
|                     | Oct.             | 117.8          | 112.9                             | -1.3                                  | 90.8                 | 88.6                              | -0.6                                  |
|                     | Nov.             | 114.3          | 111.8                             | -1.0                                  | 89.0                 | 83.8                              | -5.5                                  |
|                     | Dec.             | 119.5          | 115.4                             | 3.2                                   | 97.5                 | 90.5                              | 8.1                                   |
| 2021                | Jan.             | 119.7          | 114.9                             | -0.4                                  | 100.0                | 91.7                              | 1.3                                   |
|                     | Feb.             | 112.2          | 121.0                             | 5.3                                   | 91.7                 | 94.3                              | 2.8                                   |
|                     | Mar.             | 120.4          | 118.9                             | -1.8                                  | 97.6                 | 92.0                              | -2.4                                  |
|                     | Apr.             | 115.2          | 119.4                             | 0.4                                   | 92.8                 | 93.5                              | 1.5                                   |
|                     | May              | 114.6          | 116.8                             | -2.1                                  | 96.9                 | 95.4                              | 2.1                                   |
|                     | Jun.             | 116.7          | 117.4                             | 0.5                                   | 91.6                 | 93.8                              | -1.7                                  |
|                     | Jul.             | 110.8          | 112.2                             | -4.4                                  | 88.0                 | 89.8                              | -4.3                                  |
|                     | Aug.             | 114.0          | 113.5                             | 1.1                                   | 82.7                 | 87.1                              | -2.9                                  |
|                     | Sep.             | 118.3          | 117.0                             | 3.1                                   | 80.7                 | 86.6                              | -0.6                                  |
|                     | Oct.             | 124.1          | 119.1                             | 1.8                                   | 86.9                 | 85.7                              | -1.1                                  |
|                     | Nov.             | 125.1          | 122.3                             | 2.7                                   | 92.1                 | 86.7                              | 1.2                                   |
|                     | Dec.             | 126.5          | 121.8                             | -0.4                                  | 95.0                 | 88.2                              | 1.6                                   |
| 2022                | Jan.             | 124.9          | 120.1                             | -1.4                                  | 95.0                 | 87.7                              | -0.5                                  |

Jadual 1.2: Indeks Pengeluaran Perindustrian (IPP) dan Indeks Sektor (2015=100)-Indeks Asal & Indeks Pelarasan Musim (samb.)

Table 1.2: Industrial Production Index (IPI) and Sector Indices (2015=100)-Original Index & Seasonally Adjusted Index (cont.)

| Tahun<br>Year       | Tempoh<br>Period | Pembuatan/ Manufacturing |                                   |                                       | Elektrik/ Electricity |                                   |                                       |
|---------------------|------------------|--------------------------|-----------------------------------|---------------------------------------|-----------------------|-----------------------------------|---------------------------------------|
|                     |                  | Indeks Asal              | Indeks Pelarasan<br>Musim (PM)    | % Perubahan<br>bulan ke bulan<br>(PM) | Indeks Asal           | Indeks Pelarasan<br>Musim (PM)    | % Perubahan<br>bulan ke bulan<br>(PM) |
|                     |                  | Original Index           | Seasonally<br>Adjusted Index (SA) | % Change month-<br>on-month (SA)      | Original Index        | Seasonally<br>Adjusted Index (SA) | % Change month-<br>on-month (SA)      |
| Sektor/ Sectors     |                  | C                        |                                   |                                       | D                     |                                   |                                       |
| Wajaran/Weight 2015 |                  | 68.25                    |                                   |                                       | 6.61                  |                                   |                                       |
| 2019                | Jan.             | 120.6                    | 117.4                             | 0.9                                   | 120.0                 | 119.4                             | 2.3                                   |
|                     | Feb.             | 108.3                    | 118.2                             | 0.7                                   | 107.3                 | 118.5                             | -0.8                                  |
|                     | Mar.             | 118.7                    | 118.9                             | 0.6                                   | 122.3                 | 119.4                             | 0.8                                   |
|                     | Apr.             | 116.4                    | 121.8                             | 2.4                                   | 122.1                 | 120.9                             | 1.3                                   |
|                     | May              | 119.9                    | 123.0                             | 0.9                                   | 125.0                 | 121.8                             | 0.7                                   |
|                     | Jun.             | 121.4                    | 121.4                             | -1.3                                  | 115.2                 | 118.7                             | -2.5                                  |
|                     | Jul.             | 123.8                    | 122.7                             | 1.1                                   | 123.4                 | 119.7                             | 0.8                                   |
|                     | Aug.             | 122.0                    | 120.2                             | -2.0                                  | 122.1                 | 118.1                             | -1.3                                  |
|                     | Sep.             | 122.1                    | 118.8                             | -1.1                                  | 118.8                 | 119.9                             | 1.5                                   |
|                     | Oct.             | 124.5                    | 119.4                             | 0.5                                   | 119.9                 | 117.2                             | -2.3                                  |
|                     | Nov.             | 121.3                    | 119.5                             | 0.1                                   | 116.6                 | 118.6                             | 1.2                                   |
|                     | Dec.             | 122.7                    | 119.9                             | 0.3                                   | 117.2                 | 117.6                             | -0.9                                  |
| 2020                | Jan.             | 123.1                    | 119.7                             | -0.2                                  | 120.0                 | 118.9                             | 1.2                                   |
|                     | Feb.             | 115.0                    | 125.2                             | 4.6                                   | 114.6                 | 126.7                             | 6.6                                   |
|                     | Mar.             | 113.8                    | 114.2                             | -8.8                                  | 113.7                 | 111.0                             | -12.4                                 |
|                     | Apr.             | 73.1                     | 76.7                              | -32.8                                 | 98.6                  | 97.5                              | -12.1                                 |
|                     | May              | 92.8                     | 95.9                              | 25.0                                  | 112.2                 | 109.5                             | 12.2                                  |
|                     | Jun.             | 127.1                    | 127.3                             | 32.8                                  | 112.4                 | 116.4                             | 6.3                                   |
|                     | Jul.             | 127.4                    | 126.6                             | -0.5                                  | 117.2                 | 113.8                             | -2.3                                  |
|                     | Aug.             | 124.7                    | 122.9                             | -3.0                                  | 120.7                 | 117.3                             | 3.1                                   |
|                     | Sep.             | 127.3                    | 123.6                             | 0.6                                   | 116.3                 | 116.9                             | -0.4                                  |
|                     | Oct.             | 127.4                    | 122.0                             | -1.3                                  | 120.9                 | 118.0                             | 1.0                                   |
|                     | Nov.             | 123.7                    | 121.5                             | -0.4                                  | 113.7                 | 115.4                             | -2.2                                  |
|                     | Dec.             | 127.8                    | 124.5                             | 2.4                                   | 117.1                 | 117.4                             | 1.7                                   |
| 2021                | Jan.             | 127.5                    | 123.9                             | -0.5                                  | 114.5                 | 113.1                             | -3.6                                  |
|                     | Feb.             | 120.1                    | 130.8                             | 5.5                                   | 107.9                 | 119.4                             | 5.6                                   |
|                     | Mar.             | 128.3                    | 128.8                             | -1.5                                  | 125.4                 | 122.5                             | 2.5                                   |
|                     | Apr.             | 122.8                    | 129.1                             | 0.3                                   | 121.8                 | 120.4                             | -1.7                                  |
|                     | May              | 120.4                    | 124.9                             | -3.3                                  | 122.1                 | 119.3                             | -0.9                                  |
|                     | Jun.             | 126.9                    | 127.2                             | 1.8                                   | 107.0                 | 111.1                             | -6.9                                  |
|                     | Jul.             | 119.1                    | 118.6                             | -6.8                                  | 111.8                 | 108.6                             | -2.3                                  |
|                     | Aug.             | 125.4                    | 123.5                             | 4.1                                   | 114.9                 | 111.9                             | 3.0                                   |
|                     | Sep.             | 132.3                    | 128.2                             | 3.8                                   | 116.8                 | 117.0                             | 4.6                                   |
|                     | Oct.             | 137.6                    | 131.6                             | 2.6                                   | 125.8                 | 122.8                             | 4.9                                   |
|                     | Nov.             | 137.7                    | 135.2                             | 2.7                                   | 119.4                 | 121.2                             | -1.3                                  |
|                     | Dec.             | 138.5                    | 134.6                             | -0.4                                  | 122.6                 | 121.7                             | 0.4                                   |
| 2022                | Jan.             | 136.1                    | 132.2                             | -1.8                                  | 123.4                 | 121.7                             | -0.02                                 |

Jadual 2: Indeks Perlombongan Peringkat Industri (2015=100)

Table 2: Mining Indices at Industry Level (2015=100)

|                     |                  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       |
|---------------------|------------------|-----------------------------------------------------------|-------|-----------------------------------------------------------|-------|-----------------------------------------------------------|-------|
|                     |                  | Indeks/ Index                                             |       | Indeks/ Index                                             |       | Indeks/ Index                                             |       |
| Tahun<br>Year       | Tempoh<br>Period | Pengekstrakan Petroleum Mentah<br>dan Gas Asli            |       | Pengekstrakan Minyak Petroleum<br>Mentah & Kondensat      |       | Pengeluaran Gas Hidrokarbon<br>Mentah Bergas (Gas Asli)   |       |
|                     |                  | Extraction of Crude Petroleum and<br>Natural Gas          |       | Extraction of crude Petroleum Oils<br>& Condensates       |       | Production of Crude Gaseous<br>Hydrocarbon (Natural Gas)  |       |
| Kod/ Codes          |                  | 06                                                        |       | 06101                                                     |       | 06201                                                     |       |
| Wajaran/Weight 2015 |                  | 25.14                                                     |       | 12.22                                                     |       | 12.92                                                     |       |
| 2019                |                  | 99.3                                                      | -1.3  | 93.5                                                      | -5.9  | 104.9                                                     | 3.0   |
| 2020                |                  | 90.5                                                      | -8.9  | 85.1                                                      | -8.9  | 95.5                                                      | -8.9  |
| 2021                |                  | 91.3                                                      | 0.9   | 79.9                                                      | -6.1  | 102.1                                                     | 6.9   |
| 2020                | Q1               | 100.5                                                     | -2.1  | 96.0                                                      | -2.7  | 104.7                                                     | -1.6  |
|                     | Q2               | 82.6                                                      | -18.1 | 78.6                                                      | -18.3 | 86.4                                                      | -17.8 |
|                     | Q3               | 86.4                                                      | -5.2  | 82.1                                                      | -2.4  | 90.4                                                      | -7.4  |
|                     | Q4               | 92.5                                                      | -10.0 | 83.8                                                      | -11.5 | 100.6                                                     | -8.8  |
| 2021                | Q1               | 96.4                                                      | -4.0  | 85.5                                                      | -10.9 | 106.7                                                     | 2.0   |
|                     | Q2               | 93.8                                                      | 13.5  | 81.2                                                      | 3.2   | 105.7                                                     | 22.3  |
|                     | Q3               | 83.8                                                      | -3.0  | 75.0                                                      | -8.7  | 92.1                                                      | 1.9   |
|                     | Q4               | 91.3                                                      | -1.2  | 77.9                                                      | -7.0  | 104.0                                                     | 3.4   |
| 2020                | Jan.             | 105.4                                                     | -3.6  | 100.3                                                     | -2.2  | 110.3                                                     | -4.8  |
|                     | Feb.             | 97.4                                                      | 5.4   | 91.7                                                      | 0.2   | 102.7                                                     | 10.2  |
|                     | Mar.             | 98.7                                                      | -7.2  | 96.1                                                      | -5.8  | 101.1                                                     | -8.4  |
|                     | Apr.             | 81.9                                                      | -18.1 | 78.2                                                      | -17.5 | 85.4                                                      | -18.5 |
|                     | May.             | 81.4                                                      | -21.5 | 77.9                                                      | -21.8 | 84.8                                                      | -21.2 |
|                     | Jun.             | 84.5                                                      | -14.5 | 79.9                                                      | -15.5 | 88.9                                                      | -13.6 |
|                     | Jul.             | 87.9                                                      | 0.0   | 84.3                                                      | 5.3   | 91.3                                                      | -4.2  |
|                     | Aug.             | 86.2                                                      | -7.9  | 82.5                                                      | -4.5  | 89.6                                                      | -10.7 |
|                     | Sep.             | 85.0                                                      | -7.4  | 79.5                                                      | -7.6  | 90.2                                                      | -7.1  |
|                     | Oct.             | 90.8                                                      | -9.1  | 83.9                                                      | -10.0 | 97.4                                                      | -8.2  |
|                     | Nov.             | 89.0                                                      | -15.5 | 81.9                                                      | -15.4 | 95.7                                                      | -15.5 |
|                     | Dec.             | 97.5                                                      | -5.4  | 85.6                                                      | -9.0  | 108.8                                                     | -2.5  |
| 2021                | Jan.             | 100.0                                                     | -5.1  | 89.3                                                      | -11.0 | 110.2                                                     | 0.0   |
|                     | Feb.             | 91.7                                                      | -5.9  | 80.6                                                      | -12.1 | 102.1                                                     | -0.6  |
|                     | Mar.             | 97.6                                                      | -1.1  | 86.8                                                      | -9.6  | 107.8                                                     | 6.7   |
|                     | Apr.             | 92.8                                                      | 13.3  | 78.9                                                      | 0.9   | 105.9                                                     | 24.0  |
|                     | May.             | 96.9                                                      | 18.9  | 83.3                                                      | 7.0   | 109.7                                                     | 29.3  |
|                     | Jun.             | 91.6                                                      | 8.4   | 81.3                                                      | 1.7   | 101.4                                                     | 14.1  |
|                     | Jul.             | 88.0                                                      | 0.1   | 80.2                                                      | -4.9  | 95.4                                                      | 4.5   |
|                     | Aug.             | 82.7                                                      | -4.0  | 72.7                                                      | -12.0 | 92.2                                                      | 2.9   |
|                     | Sep.             | 80.7                                                      | -5.1  | 72.2                                                      | -9.2  | 88.7                                                      | -1.6  |
|                     | Oct.             | 86.9                                                      | -4.3  | 75.5                                                      | -10.0 | 97.8                                                      | 0.4   |
|                     | Nov.             | 92.1                                                      | 3.5   | 78.2                                                      | -4.6  | 105.3                                                     | 10.0  |
|                     | Dec.             | 95.0                                                      | -2.6  | 80.1                                                      | -6.4  | 109.0                                                     | 0.2   |
| 2022                | Jan.             | 95.0                                                      | -5.1  | 76.9                                                      | -13.9 | 112.0                                                     | 1.6   |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Pembuatan minyak sawit mentah |                                                    | Pembuatan minyak sawit bertapis |                                                    | Pembuatan minyak isirong       |                                                    |
|---------------------|------------------|-------------------------------|----------------------------------------------------|---------------------------------|----------------------------------------------------|--------------------------------|----------------------------------------------------|
|                     |                  | Indeks/ Index                 | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                   | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                  | % Perubahan tahun ke tahun/<br>change year-on-year |
|                     |                  | Manufacture of crude palm oil |                                                    | Manufacture of refined palm oil |                                                    | Manufacture of palm kernel oil |                                                    |
| Kod/ Codes          |                  | 10401                         |                                                    | 10402                           |                                                    | 10403                          |                                                    |
| Wajaran/Weight 2015 |                  | 1.94                          |                                                    | 1.37                            |                                                    | 0.17                           |                                                    |
| 2019                |                  | 99.5                          | 1.8                                                | 130.4                           | -6.4                                               | 102.0                          | 1.0                                                |
| 2020                |                  | 95.9                          | -3.6                                               | 124.8                           | -4.3                                               | 96.8                           | -5.1                                               |
| 2021                |                  | 90.7                          | -5.4                                               | 106.5                           | -14.7                                              | 90.0                           | -7.0                                               |
| 2020                | Q1               | 77.3                          | -22.1                                              | 119.2                           | -14.0                                              | 79.9                           | -25.3                                              |
|                     | Q2               | 104.0                         | 7.4                                                | 143.0                           | 25.9                                               | 101.8                          | 4.4                                                |
|                     | Q3               | 111.0                         | 2.5                                                | 136.4                           | 21.7                                               | 112.7                          | 6.5                                                |
|                     | Q4               | 91.2                          | -2.5                                               | 100.8                           | -36.0                                              | 92.8                           | -5.1                                               |
| 2021                | Q1               | 73.3                          | -5.2                                               | 91.7                            | -23.0                                              | 73.2                           | -8.4                                               |
|                     | Q2               | 94.3                          | -9.3                                               | 105.6                           | -26.1                                              | 93.7                           | -8.0                                               |
|                     | Q3               | 98.9                          | -10.9                                              | 113.7                           | -16.7                                              | 97.9                           | -13.1                                              |
|                     | Q4               | 96.4                          | 5.7                                                | 114.8                           | 13.9                                               | 95.4                           | 2.8                                                |
| 2020                | Jan.             | 70.4                          | -32.6                                              | 123.0                           | -24.6                                              | 72.1                           | -35.3                                              |
|                     | Feb.             | 77.5                          | -16.6                                              | 126.1                           | 11.4                                               | 80.8                           | -11.9                                              |
|                     | Mar.             | 84.0                          | -16.4                                              | 108.5                           | -22.3                                              | 86.7                           | -26.4                                              |
|                     | Apr.             | 99.4                          | 0.2                                                | 130.8                           | 4.9                                                | 88.1                           | -12.1                                              |
|                     | May.             | 99.3                          | -1.2                                               | 153.5                           | 36.1                                               | 103.7                          | -3.7                                               |
|                     | Jun.             | 113.4                         | 24.8                                               | 144.6                           | 40.0                                               | 113.7                          | 34.5                                               |
|                     | Jul.             | 108.7                         | 3.8                                                | 137.7                           | 33.6                                               | 114.7                          | 8.1                                                |
|                     | Aug.             | 112.0                         | 2.3                                                | 133.1                           | 24.5                                               | 112.2                          | 6.5                                                |
|                     | Sep.             | 112.4                         | 1.5                                                | 138.4                           | 9.5                                                | 111.1                          | 4.9                                                |
|                     | Oct.             | 103.7                         | -4.0                                               | 125.4                           | -22.1                                              | 113.3                          | -1.3                                               |
|                     | Nov.             | 89.6                          | -3.1                                               | 100.1                           | -37.2                                              | 90.5                           | -7.1                                               |
|                     | Dec.             | 80.2                          | 0.0                                                | 76.8                            | -49.6                                              | 74.6                           | -8.1                                               |
| 2021                | Jan              | 67.7                          | -3.8                                               | 104.9                           | -14.7                                              | 67.9                           | -5.8                                               |
|                     | Feb              | 66.6                          | -14.0                                              | 69.5                            | -44.9                                              | 65.0                           | -19.6                                              |
|                     | Mar              | 85.6                          | 1.9                                                | 100.8                           | -7.1                                               | 86.6                           | -0.2                                               |
|                     | Apr              | 91.9                          | -7.5                                               | 99.7                            | -23.8                                              | 93.8                           | 6.4                                                |
|                     | May              | 94.5                          | -4.8                                               | 87.2                            | -43.2                                              | 88.6                           | -14.5                                              |
|                     | Jun              | 96.6                          | -14.8                                              | 129.8                           | -10.2                                              | 98.6                           | -13.3                                              |
|                     | Jul              | 91.5                          | -15.8                                              | 110.2                           | -20.0                                              | 90.6                           | -21.0                                              |
|                     | Aug              | 102.8                         | -8.2                                               | 94.5                            | -29.0                                              | 101.1                          | -9.8                                               |
|                     | Sep              | 102.4                         | -8.9                                               | 136.4                           | -1.5                                               | 102.1                          | -8.1                                               |
|                     | Oct              | 103.8                         | 0.1                                                | 140.2                           | 11.8                                               | 102.7                          | -9.4                                               |
|                     | Nov              | 98.3                          | 9.6                                                | 112.4                           | 12.3                                               | 94.7                           | 4.6                                                |
|                     | Dec              | 87.2                          | 8.7                                                | 91.8                            | 19.5                                               | 88.8                           | 19.0                                               |
| 2022                | Jan              | 75.4                          | 11.3                                               | 87.1                            | -17.0                                              | 80.8                           | 18.9                                               |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan minyak sayuran<br>mentah dan bertapis           |                                                           | Pembuatan sebatian lemak<br>masakan             |                                                           | Pembuatan aiskrim dan ais lain<br>yang boleh dimakan seperti<br>sorbet  |                                                           |
|---------------|------------------|-----------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------|-----------------------------------------------------------|
|               |                  | Indeks/ Index                                             | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                   | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                           | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|               |                  | <i>Manufacture of crude and refined<br/>vegetable oil</i> |                                                           | <i>Manufacture of compound cooking<br/>fats</i> |                                                           | <i>Manufacture of ice cream and<br/>other edible ice such as sorbet</i> |                                                           |
|               |                  | <b>Kod/ Codes</b>                                         | <b>10404</b>                                              | <b>10406</b>                                    |                                                           | <b>10501</b>                                                            |                                                           |
|               |                  | <b>Wajaran/Weight 2015</b>                                | <b>0.04</b>                                               | <b>0.18</b>                                     |                                                           | <b>0.03</b>                                                             |                                                           |
| 2019          |                  | 112.7                                                     | 3.3                                                       | 125.4                                           | 11.4                                                      | 119.1                                                                   | 9.6                                                       |
| 2020          |                  | 115.7                                                     | 2.7                                                       | 119.2                                           | -5.0                                                      | 124.3                                                                   | 4.3                                                       |
| 2021          |                  | 124.1                                                     | 7.3                                                       | 130.1                                           | 9.2                                                       | 135.1                                                                   | 8.7                                                       |
| 2020          | Q1               | 99.9                                                      | -2.8                                                      | 118.6                                           | 7.6                                                       | 112.3                                                                   | 8.5                                                       |
|               | Q2               | 104.1                                                     | -3.4                                                      | 100.6                                           | -22.8                                                     | 96.4                                                                    | -11.1                                                     |
|               | Q3               | 124.6                                                     | 4.4                                                       | 123.2                                           | -6.7                                                      | 138.1                                                                   | 3.8                                                       |
|               | Q4               | 134.1                                                     | 11.0                                                      | 134.3                                           | 4.2                                                       | 150.4                                                                   | 14.3                                                      |
| 2021          | Q1               | 112.0                                                     | 12.1                                                      | 111.9                                           | -5.7                                                      | 139.2                                                                   | 23.9                                                      |
|               | Q2               | 115.0                                                     | 10.5                                                      | 116.9                                           | 16.1                                                      | 114.2                                                                   | 18.5                                                      |
|               | Q3               | 130.8                                                     | 5.0                                                       | 138.1                                           | 12.1                                                      | 136.6                                                                   | -1.1                                                      |
|               | Q4               | 138.6                                                     | 3.3                                                       | 153.6                                           | 14.4                                                      | 150.5                                                                   | 0.1                                                       |
| 2020          | Jan.             | 107.3                                                     | -1.4                                                      | 141.7                                           | 25.8                                                      | 140.1                                                                   | 33.8                                                      |
|               | Feb.             | 85.8                                                      | -6.9                                                      | 115.3                                           | 4.5                                                       | 101.7                                                                   | -0.4                                                      |
|               | Mar.             | 106.5                                                     | -0.8                                                      | 99.0                                            | -8.2                                                      | 95.1                                                                    | -8.3                                                      |
|               | Apr.             | 107.4                                                     | -1.9                                                      | 78.5                                            | -39.4                                                     | 88.8                                                                    | -17.7                                                     |
|               | May.             | 100.3                                                     | -10.2                                                     | 104.3                                           | -25.3                                                     | 92.1                                                                    | -16.3                                                     |
|               | Jun.             | 104.5                                                     | 2.3                                                       | 119.1                                           | -2.3                                                      | 108.3                                                                   | 1.0                                                       |
|               | Jul.             | 102.8                                                     | -15.0                                                     | 117.5                                           | -15.2                                                     | 133.7                                                                   | 1.6                                                       |
|               | Aug.             | 130.3                                                     | 11.2                                                      | 121.8                                           | -3.4                                                      | 137.9                                                                   | 2.2                                                       |
|               | Sep.             | 140.8                                                     | 17.3                                                      | 130.2                                           | -1.1                                                      | 142.7                                                                   | 7.7                                                       |
|               | Oct.             | 144.2                                                     | 22.7                                                      | 127.2                                           | 5.8                                                       | 145.4                                                                   | 14.3                                                      |
|               | Nov.             | 115.7                                                     | 0.1                                                       | 133.9                                           | 9.6                                                       | 147.6                                                                   | 12.3                                                      |
|               | Dec.             | 142.4                                                     | 10.3                                                      | 141.8                                           | -1.8                                                      | 158.2                                                                   | 16.3                                                      |
| 2021          | Jan              | 120.1                                                     | 11.9                                                      | 129.5                                           | -8.6                                                      | 175.7                                                                   | 25.5                                                      |
|               | Feb              | 107.8                                                     | 25.6                                                      | 100.4                                           | -12.9                                                     | 120.1                                                                   | 18.0                                                      |
|               | Mar              | 108.2                                                     | 1.5                                                       | 105.8                                           | 6.8                                                       | 121.7                                                                   | 27.9                                                      |
|               | Apr              | 118.2                                                     | 10.0                                                      | 95.2                                            | 21.3                                                      | 113.7                                                                   | 28.1                                                      |
|               | May              | 110.1                                                     | 9.7                                                       | 127.6                                           | 22.4                                                      | 103.1                                                                   | 11.9                                                      |
|               | Jun              | 116.7                                                     | 11.7                                                      | 127.8                                           | 7.3                                                       | 125.9                                                                   | 16.3                                                      |
|               | Jul              | 110.0                                                     | 7.0                                                       | 129.6                                           | 10.3                                                      | 122.2                                                                   | -8.6                                                      |
|               | Aug              | 134.2                                                     | 3.0                                                       | 129.1                                           | 6.0                                                       | 137.3                                                                   | -0.5                                                      |
|               | Sep              | 148.3                                                     | 5.3                                                       | 155.5                                           | 19.4                                                      | 150.2                                                                   | 5.3                                                       |
|               | Oct              | 162.2                                                     | 12.5                                                      | 135.8                                           | 6.8                                                       | 152.5                                                                   | 4.9                                                       |
|               | Nov              | 112.7                                                     | -2.6                                                      | 155.0                                           | 15.8                                                      | 153.9                                                                   | 4.3                                                       |
|               | Dec              | 140.9                                                     | -1.1                                                      | 170.1                                           | 20.0                                                      | 145.1                                                                   | -8.3                                                      |
| 2022          | Jan              | 140.5                                                     | 17.0                                                      | 174.0                                           | 34.4                                                      | 179.3                                                                   | 2.0                                                       |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

|                     |                  | Pembuatan susu pekat, tepung dan sejat                 |                                                    | Pengilangan beras |                                                    | Pengilangan tepung |                                                    |
|---------------------|------------------|--------------------------------------------------------|----------------------------------------------------|-------------------|----------------------------------------------------|--------------------|----------------------------------------------------|
|                     |                  | Indeks/ Index                                          | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index     | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index      | % Perubahan tahun ke tahun/<br>change year-on-year |
| Tahun<br>Year       | Tempoh<br>Period | Pembuatan susu pekat, tepung dan sejat                 |                                                    | Pengilangan beras |                                                    | Pengilangan tepung |                                                    |
|                     |                  | Manufacture of condensed, powdered and evaporated milk |                                                    | Rice milling      |                                                    | Flour milling      |                                                    |
| Kod/ Codes          |                  | 10502                                                  |                                                    | 10611             |                                                    | 10613              |                                                    |
| Wajaran/Weight 2015 |                  | 0.43                                                   |                                                    | 0.09              |                                                    | 0.13               |                                                    |
| 2019                |                  | 125.2                                                  | 15.8                                               | 125.9             | 1.5                                                | 119.5              | 9.6                                                |
| 2020                |                  | 133.4                                                  | 6.6                                                | 132.3             | 5.1                                                | 116.0              | -3.0                                               |
| 2021                |                  | 142.5                                                  | 6.8                                                | 136.8             | 3.4                                                | 139.0              | 19.9                                               |
| 2020                | Q1               | 119.9                                                  | 4.6                                                | 132.1             | 19.4                                               | 117.5              | 10.6                                               |
|                     | Q2               | 136.7                                                  | 7.8                                                | 137.7             | 9.6                                                | 99.2               | -15.2                                              |
|                     | Q3               | 153.4                                                  | 8.7                                                | 124.6             | -3.7                                               | 124.9              | -7.5                                               |
|                     | Q4               | 123.8                                                  | 4.7                                                | 134.8             | -2.3                                               | 122.3              | 2.1                                                |
| 2021                | Q1               | 128.6                                                  | 7.3                                                | 127.0             | -3.9                                               | 137.6              | 17.1                                               |
|                     | Q2               | 151.2                                                  | 10.6                                               | 141.4             | 2.7                                                | 131.7              | 32.7                                               |
|                     | Q3               | 156.4                                                  | 2.0                                                | 131.5             | 5.5                                                | 141.8              | 13.6                                               |
|                     | Q4               | 133.6                                                  | 7.9                                                | 147.2             | 9.2                                                | 145.1              | 18.6                                               |
| 2020                | Jan.             | 126.6                                                  | 15.6                                               | 124.2             | 18.2                                               | 116.8              | 9.7                                                |
|                     | Feb.             | 112.4                                                  | -0.2                                               | 116.2             | 9.6                                                | 112.4              | 11.2                                               |
|                     | Mar.             | 120.6                                                  | -0.9                                               | 155.9             | 28.8                                               | 123.2              | 11.0                                               |
|                     | Apr.             | 133.8                                                  | 5.3                                                | 161.4             | 20.4                                               | 126.6              | 7.8                                                |
|                     | May.             | 135.2                                                  | 2.6                                                | 109.2             | -11.4                                              | 78.1               | -33.1                                              |
|                     | Jun.             | 141.1                                                  | 16.2                                               | 142.4             | 19.2                                               | 93.0               | -20.5                                              |
|                     | Jul.             | 152.5                                                  | 12.8                                               | 94.3              | -28.0                                              | 122.4              | -5.9                                               |
|                     | Aug.             | 154.1                                                  | 6.6                                                | 117.4             | -9.8                                               | 125.4              | -6.0                                               |
|                     | Sep.             | 153.6                                                  | 7.0                                                | 162.0             | 27.5                                               | 126.8              | -10.4                                              |
|                     | Oct.             | 112.5                                                  | 10.0                                               | 128.7             | -2.7                                               | 116.4              | -6.8                                               |
|                     | Nov.             | 125.3                                                  | 0.6                                                | 127.8             | -1.0                                               | 113.4              | -4.0                                               |
|                     | Dec.             | 133.5                                                  | 4.5                                                | 147.9             | -3.0                                               | 137.2              | 17.9                                               |
| 2021                | Jan              | 145.0                                                  | 14.5                                               | 118.8             | -4.3                                               | 135.2              | 15.7                                               |
|                     | Feb              | 113.8                                                  | 1.3                                                | 120.6             | 3.8                                                | 130.2              | 15.8                                               |
|                     | Mar              | 127.1                                                  | 5.4                                                | 141.5             | -9.2                                               | 147.4              | 19.7                                               |
|                     | Apr              | 158.8                                                  | 18.6                                               | 157.2             | -2.6                                               | 157.4              | 24.3                                               |
|                     | May              | 145.6                                                  | 7.7                                                | 126.9             | 16.2                                               | 116.7              | 49.4                                               |
|                     | Jun              | 149.2                                                  | 5.7                                                | 140.0             | -1.7                                               | 120.9              | 30.1                                               |
|                     | Jul              | 140.0                                                  | -8.2                                               | 98.1              | 4.1                                                | 121.7              | -0.6                                               |
|                     | Aug              | 163.6                                                  | 6.1                                                | 128.3             | 9.3                                                | 148.9              | 18.8                                               |
|                     | Sep              | 165.7                                                  | 7.9                                                | 167.9             | 3.6                                                | 154.8              | 22.0                                               |
|                     | Oct              | 119.5                                                  | 6.2                                                | 164.0             | 27.4                                               | 138.8              | 19.3                                               |
|                     | Nov              | 131.0                                                  | 4.6                                                | 129.9             | 1.6                                                | 143.1              | 26.1                                               |
|                     | Dec              | 150.2                                                  | 12.5                                               | 147.8             | 0.0                                                | 153.4              | 11.8                                               |
| 2022                | Jan              | 150.0                                                  | 3.5                                                | 137.7             | 15.9                                               | 136.5              | 1.0                                                |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Pembuatan biskut dan cookies        |                                                    | Pembuatan roti, kek dan produk bakeri lain            |                                                    | Pembuatan produk snek         |                                                    |
|---------------------|------------------|-------------------------------------|----------------------------------------------------|-------------------------------------------------------|----------------------------------------------------|-------------------------------|----------------------------------------------------|
|                     |                  | Indeks/ Index                       | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                         | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                 | % Perubahan tahun ke tahun/<br>change year-on-year |
|                     |                  | Manufacture of biscuits and cookies |                                                    | Manufacture of bread, cakes and other bakery products |                                                    | Manufacture of snack products |                                                    |
| Kod/ Codes          |                  | 10711                               |                                                    | 10712                                                 |                                                    | 10713                         |                                                    |
| Wajaran/Weight 2015 |                  | 0.13                                |                                                    | 0.36                                                  |                                                    | 0.09                          |                                                    |
| 2019                |                  | 120.2                               | -10.4                                              | 137.8                                                 | 4.1                                                | 117.6                         | 9.2                                                |
| 2020                |                  | 106.1                               | -11.7                                              | 146.7                                                 | 6.5                                                | 118.8                         | 1.0                                                |
| 2021                |                  | 109.5                               | 3.2                                                | 171.0                                                 | 16.5                                               | 101.4                         | -14.7                                              |
| 2020                | Q1               | 114.1                               | 10.9                                               | 135.8                                                 | 7.3                                                | 118.0                         | 10.2                                               |
|                     | Q2               | 97.3                                | -16.9                                              | 166.5                                                 | 17.9                                               | 123.4                         | 4.1                                                |
|                     | Q3               | 107.1                               | -18.9                                              | 149.6                                                 | 2.8                                                | 125.3                         | -3.8                                               |
|                     | Q4               | 105.9                               | -17.7                                              | 135.1                                                 | -2.2                                               | 108.4                         | -5.3                                               |
| 2021                | Q1               | 106.2                               | -6.9                                               | 159.5                                                 | 17.4                                               | 103.9                         | -11.9                                              |
|                     | Q2               | 111.4                               | 14.5                                               | 185.8                                                 | 11.6                                               | 103.1                         | -16.4                                              |
|                     | Q3               | 101.8                               | -4.9                                               | 186.0                                                 | 24.4                                               | 95.2                          | -24.0                                              |
|                     | Q4               | 118.5                               | 11.9                                               | 152.5                                                 | 12.9                                               | 103.1                         | -4.9                                               |
| 2020                | Jan.             | 111.6                               | 11.3                                               | 142.8                                                 | 15.7                                               | 119.4                         | 17.4                                               |
|                     | Feb.             | 125.9                               | 28.6                                               | 135.7                                                 | 12.3                                               | 129.9                         | 29.4                                               |
|                     | Mar.             | 104.8                               | -5.2                                               | 128.9                                                 | -4.7                                               | 104.7                         | -12.2                                              |
|                     | Apr.             | 99.1                                | -14.7                                              | 175.4                                                 | 24.9                                               | 116.4                         | -1.6                                               |
|                     | May.             | 94.7                                | -18.1                                              | 166.4                                                 | 17.1                                               | 117.9                         | 0.8                                                |
|                     | Jun.             | 98.0                                | -17.9                                              | 157.8                                                 | 11.9                                               | 135.8                         | 12.9                                               |
|                     | Jul.             | 111.2                               | -18.5                                              | 150.6                                                 | 2.5                                                | 127.4                         | -2.2                                               |
|                     | Aug.             | 106.6                               | -19.4                                              | 153.6                                                 | 1.8                                                | 125.4                         | -7.0                                               |
|                     | Sep.             | 103.6                               | -18.8                                              | 144.6                                                 | 4.2                                                | 123.0                         | -2.1                                               |
|                     | Oct.             | 103.2                               | -8.8                                               | 132.0                                                 | 3.3                                                | 105.2                         | -6.6                                               |
|                     | Nov.             | 109.2                               | -11.8                                              | 128.0                                                 | -8.6                                               | 105.3                         | -4.6                                               |
|                     | Dec.             | 105.5                               | -29.2                                              | 145.1                                                 | -0.9                                               | 114.9                         | -4.7                                               |
| 2021                | Jan              | 108.3                               | -3.0                                               | 140.3                                                 | -1.7                                               | 104.0                         | -12.9                                              |
|                     | Feb              | 112.7                               | -10.5                                              | 161.9                                                 | 19.3                                               | 111.9                         | -13.8                                              |
|                     | Mar              | 97.7                                | -6.8                                               | 176.2                                                 | 36.7                                               | 95.9                          | -8.4                                               |
|                     | Apr              | 121.6                               | 22.7                                               | 184.0                                                 | 4.9                                                | 111.7                         | -4.0                                               |
|                     | May              | 106.9                               | 12.9                                               | 182.8                                                 | 9.8                                                | 101.7                         | -13.7                                              |
|                     | Jun              | 105.6                               | 7.7                                                | 190.7                                                 | 20.9                                               | 96.0                          | -29.4                                              |
|                     | Jul              | 93.6                                | -15.8                                              | 193.2                                                 | 28.3                                               | 87.2                          | -31.6                                              |
|                     | Aug              | 104.9                               | -1.6                                               | 189.5                                                 | 23.4                                               | 93.2                          | -25.6                                              |
|                     | Sep              | 107.0                               | 3.3                                                | 175.4                                                 | 21.3                                               | 105.2                         | -14.5                                              |
|                     | Oct              | 114.0                               | 10.5                                               | 153.5                                                 | 16.3                                               | 100.9                         | -4.1                                               |
|                     | Nov              | 123.9                               | 13.5                                               | 152.3                                                 | 18.9                                               | 101.2                         | -3.9                                               |
|                     | Dec              | 117.6                               | 11.5                                               | 151.8                                                 | 4.6                                                | 107.4                         | -6.5                                               |
| 2022                | Jan              | 117.0                               | 8.1                                                | 159.3                                                 | 13.6                                               | 96.4                          | -7.3                                               |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index        |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       | Indeks/ Index                                   |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  |
|---------------------|------------------|----------------------|-------|-----------------------------------------------------------|-------|-------------------------------------------------|-------|-----------------------------------------------------------|--|
|                     |                  |                      |       |                                                           |       |                                                 |       |                                                           |  |
|                     |                  |                      |       |                                                           |       |                                                 |       |                                                           |  |
|                     |                  | Pembuatan gula       |       | Pembuatan produk koko                                     |       | Pembuatan coklat dan produk coklat              |       |                                                           |  |
|                     |                  | Manufacture of sugar |       | Manufacture of cocoa products                             |       | Manufacture of chocolate and chocolate products |       |                                                           |  |
| Kod/ Codes          |                  | 10721                |       | 10731                                                     |       | 10732                                           |       |                                                           |  |
| Wajaran/Weight 2015 |                  | 0.12                 |       | 0.17                                                      |       | 0.11                                            |       |                                                           |  |
| 2019                |                  | 124.1                | 6.5   | 121.3                                                     | 11.0  | 115.9                                           | 5.1   |                                                           |  |
| 2020                |                  | 122.5                | -1.4  | 124.0                                                     | 2.2   | 127.4                                           | 9.9   |                                                           |  |
| 2021                |                  | 149.6                | 22.1  | 128.5                                                     | 3.6   | 136.8                                           | 7.4   |                                                           |  |
| 2020                | Q1               | 120.0                | 6.4   | 131.7                                                     | 22.5  | 121.6                                           | 11.5  |                                                           |  |
|                     | Q2               | 130.5                | -0.9  | 125.4                                                     | 6.5   | 130.5                                           | 16.8  |                                                           |  |
|                     | Q3               | 136.6                | -3.1  | 120.1                                                     | -7.6  | 126.8                                           | 0.9   |                                                           |  |
|                     | Q4               | 102.8                | -7.5  | 118.9                                                     | -8.6  | 130.7                                           | 11.5  |                                                           |  |
| 2021                | Q1               | 119.6                | -0.3  | 124.9                                                     | -5.2  | 131.4                                           | 8.0   |                                                           |  |
|                     | Q2               | 172.8                | 32.4  | 130.9                                                     | 4.4   | 138.3                                           | 6.0   |                                                           |  |
|                     | Q3               | 169.4                | 24.0  | 123.6                                                     | 2.9   | 132.8                                           | 4.7   |                                                           |  |
|                     | Q4               | 136.5                | 32.8  | 134.6                                                     | 13.2  | 144.6                                           | 10.7  |                                                           |  |
| 2020                | Jan.             | 111.6                | 3.1   | 130.2                                                     | 27.0  | 121.3                                           | 15.0  |                                                           |  |
|                     | Feb.             | 119.2                | 10.7  | 135.5                                                     | 28.4  | 126.8                                           | 20.2  |                                                           |  |
|                     | Mar.             | 129.2                | 5.4   | 129.5                                                     | 13.0  | 116.8                                           | 0.4   |                                                           |  |
|                     | Apr.             | 120.4                | -8.0  | 126.1                                                     | 4.8   | 128.2                                           | 6.8   |                                                           |  |
|                     | May.             | 131.8                | -0.7  | 118.4                                                     | -2.2  | 150.3                                           | 34.0  |                                                           |  |
|                     | Jun.             | 139.2                | 5.8   | 131.7                                                     | 17.7  | 113.1                                           | 9.7   |                                                           |  |
|                     | Jul.             | 143.2                | -3.5  | 127.9                                                     | -2.8  | 119.9                                           | -3.5  |                                                           |  |
|                     | Aug.             | 130.8                | -3.4  | 121.5                                                     | -9.2  | 133.9                                           | 5.4   |                                                           |  |
|                     | Sep.             | 135.7                | -2.4  | 111.0                                                     | -10.9 | 126.7                                           | 0.8   |                                                           |  |
|                     | Oct.             | 108.4                | 3.8   | 113.1                                                     | -8.7  | 129.6                                           | 5.8   |                                                           |  |
|                     | Nov.             | 95.9                 | -23.7 | 120.4                                                     | -4.6  | 143.2                                           | 24.8  |                                                           |  |
|                     | Dec.             | 103.9                | 0.9   | 123.3                                                     | -12.1 | 119.1                                           | 4.2   |                                                           |  |
| 2021                | Jan              | 105.6                | -5.4  | 118.4                                                     | -9.0  | 138.8                                           | 14.4  |                                                           |  |
|                     | Feb              | 107.4                | -9.9  | 133.2                                                     | -1.6  | 134.3                                           | 6.0   |                                                           |  |
|                     | Mar              | 145.9                | 12.9  | 122.9                                                     | -5.1  | 121.0                                           | 3.6   |                                                           |  |
|                     | Apr              | 168.3                | 39.7  | 130.4                                                     | 3.4   | 155.7                                           | 21.4  |                                                           |  |
|                     | May              | 182.3                | 38.3  | 134.0                                                     | 13.2  | 121.3                                           | -19.3 |                                                           |  |
|                     | Jun              | 167.7                | 20.5  | 128.2                                                     | -2.6  | 138.0                                           | 22.0  |                                                           |  |
|                     | Jul              | 168.3                | 17.6  | 114.3                                                     | -10.7 | 138.4                                           | 15.4  |                                                           |  |
|                     | Aug              | 162.9                | 24.5  | 128.1                                                     | 5.4   | 126.0                                           | -5.9  |                                                           |  |
|                     | Sep              | 176.8                | 30.3  | 128.4                                                     | 15.7  | 134.1                                           | 5.9   |                                                           |  |
|                     | Oct              | 137.0                | 26.4  | 128.5                                                     | 13.6  | 144.6                                           | 11.6  |                                                           |  |
|                     | Nov              | 134.0                | 39.7  | 137.3                                                     | 14.0  | 148.2                                           | 3.5   |                                                           |  |
|                     | Dec              | 138.5                | 33.2  | 138.2                                                     | 12.0  | 141.1                                           | 18.4  |                                                           |  |
| 2022                | Jan              | 117.6                | 11.4  | 143.8                                                     | 21.4  | 163.2                                           | 17.6  |                                                           |  |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                         |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year    |       | Indeks/ Index                               |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  |
|---------------------|------------------|---------------------------------------|-------|--------------------------------------------------------------|-------|---------------------------------------------|-------|-----------------------------------------------------------|--|
|                     |                  | Pembuatan konfeksi gula               |       | Pembuatan bihun, mi dan produk<br>lain yang berkaitan        |       | Pembuatan makanan dan<br>hidangan tersedia  |       |                                                           |  |
|                     |                  | Manufacture of sugar<br>confectionery |       | Manufacture of meehoon, noodles<br>and other related product |       | Manufacture of prepared meals<br>and dishes |       |                                                           |  |
| Kod/ Codes          |                  | 10733                                 |       | 10741                                                        |       | 10750                                       |       |                                                           |  |
| Wajaran/Weight 2015 |                  | 0.05                                  |       | 0.09                                                         |       | 0.17                                        |       |                                                           |  |
| 2019                |                  | 131.8                                 | 1.6   | 125.7                                                        | 1.5   | 118.4                                       | 7.1   |                                                           |  |
| 2020                |                  | 134.2                                 | 1.8   | 128.1                                                        | 1.9   | 128.3                                       | 8.4   |                                                           |  |
| 2021                |                  | 133.0                                 | -0.9  | 121.3                                                        | -5.3  | 149.2                                       | 16.3  |                                                           |  |
| 2020                | Q1               | 138.9                                 | 14.7  | 141.8                                                        | 16.9  | 125.9                                       | 11.7  |                                                           |  |
|                     | Q2               | 114.6                                 | 0.4   | 126.0                                                        | 5.8   | 106.7                                       | -6.8  |                                                           |  |
|                     | Q3               | 142.8                                 | 7.6   | 120.0                                                        | -4.4  | 148.8                                       | 20.0  |                                                           |  |
|                     | Q4               | 140.4                                 | -11.7 | 124.6                                                        | -9.0  | 131.7                                       | 7.8   |                                                           |  |
| 2021                | Q1               | 132.6                                 | -4.6  | 132.0                                                        | -6.9  | 148.6                                       | 18.0  |                                                           |  |
|                     | Q2               | 135.1                                 | 17.9  | 122.1                                                        | -3.1  | 112.3                                       | 5.2   |                                                           |  |
|                     | Q3               | 124.9                                 | -12.6 | 120.9                                                        | 0.8   | 174.6                                       | 17.3  |                                                           |  |
|                     | Q4               | 139.6                                 | -0.6  | 110.3                                                        | -11.5 | 161.4                                       | 22.6  |                                                           |  |
| 2020                | Jan.             | 155.2                                 | 28.9  | 148.0                                                        | 21.8  | 135.8                                       | 17.0  |                                                           |  |
|                     | Feb.             | 136.7                                 | 14.1  | 151.7                                                        | 27.4  | 138.1                                       | 22.6  |                                                           |  |
|                     | Mar.             | 124.9                                 | 1.3   | 125.7                                                        | 1.9   | 103.8                                       | -5.2  |                                                           |  |
|                     | Apr.             | 115.1                                 | -0.9  | 136.8                                                        | 13.1  | 96.6                                        | -16.5 |                                                           |  |
|                     | May.             | 115.1                                 | -7.0  | 125.3                                                        | 3.2   | 112.1                                       | -1.4  |                                                           |  |
|                     | Jun.             | 113.5                                 | 10.6  | 116.0                                                        | 0.8   | 111.6                                       | -2.2  |                                                           |  |
|                     | Jul.             | 147.2                                 | 14.4  | 125.8                                                        | 0.1   | 164.0                                       | 30.3  |                                                           |  |
|                     | Aug.             | 138.5                                 | 4.8   | 117.3                                                        | -3.7  | 130.3                                       | 2.7   |                                                           |  |
|                     | Sep.             | 142.7                                 | 3.8   | 116.8                                                        | -9.4  | 152.3                                       | 27.5  |                                                           |  |
|                     | Oct.             | 129.8                                 | -17.2 | 124.5                                                        | -1.5  | 155.7                                       | 24.7  |                                                           |  |
|                     | Nov.             | 136.7                                 | -9.9  | 126.2                                                        | 3.9   | 118.6                                       | 9.4   |                                                           |  |
|                     | Dec.             | 154.9                                 | -8.1  | 123.2                                                        | -24.5 | 120.7                                       | -9.5  |                                                           |  |
| 2021                | Jan              | 141.9                                 | -8.6  | 142.7                                                        | -3.6  | 162.9                                       | 19.9  |                                                           |  |
|                     | Feb              | 128.8                                 | -5.8  | 134.5                                                        | -11.4 | 154.5                                       | 11.8  |                                                           |  |
|                     | Mar              | 127.1                                 | 1.8   | 118.8                                                        | -5.5  | 128.3                                       | 23.6  |                                                           |  |
|                     | Apr              | 151.0                                 | 31.2  | 129.1                                                        | -5.6  | 105.3                                       | 9.0   |                                                           |  |
|                     | May              | 118.5                                 | 2.9   | 110.6                                                        | -11.8 | 109.1                                       | -2.6  |                                                           |  |
|                     | Jun              | 135.8                                 | 19.6  | 126.6                                                        | 9.2   | 122.4                                       | 9.7   |                                                           |  |
|                     | Jul              | 113.7                                 | -22.7 | 122.2                                                        | -2.9  | 188.4                                       | 14.9  |                                                           |  |
|                     | Aug              | 125.5                                 | -9.4  | 118.1                                                        | 0.7   | 165.4                                       | 26.9  |                                                           |  |
|                     | Sep              | 135.4                                 | -5.1  | 122.3                                                        | 4.7   | 170.1                                       | 11.7  |                                                           |  |
|                     | Oct              | 138.6                                 | 6.8   | 118.6                                                        | -4.7  | 178.9                                       | 14.9  |                                                           |  |
|                     | Nov              | 145.7                                 | 6.6   | 106.5                                                        | -15.6 | 146.6                                       | 23.6  |                                                           |  |
|                     | Dec              | 134.5                                 | -13.2 | 105.8                                                        | -14.1 | 158.7                                       | 31.5  |                                                           |  |
| 2022                | Jan              | 150.9                                 | 6.3   | 132.4                                                        | -7.2  | 192.9                                       | 18.4  |                                                           |  |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

|                     |                  | Indeks/ Index         |       | % Perubahan tahun ke tahun/<br>change year-on-year |       | Indeks/ Index                          |       | % Perubahan tahun ke tahun/<br>change year-on-year |  |
|---------------------|------------------|-----------------------|-------|----------------------------------------------------|-------|----------------------------------------|-------|----------------------------------------------------|--|
|                     |                  |                       |       |                                                    |       |                                        |       |                                                    |  |
| Tahun<br>Year       | Tempoh<br>Period | Pembuatan kopi        |       | Pembuatan sos dan bahan perasa                     |       | Pembuatan rempah ratus dan serbuk kari |       |                                                    |  |
|                     |                  | Manufacture of coffee |       | Manufacture of sauces and condiments               |       | Manufacture of spices and curry powder |       |                                                    |  |
| Kod/ Codes          |                  | 10791                 |       | 10793                                              |       | 10794                                  |       |                                                    |  |
| Wajaran/Weight 2015 |                  | 0.15                  |       | 0.13                                               |       | 0.07                                   |       |                                                    |  |
| 2019                |                  | 119.0                 | 12.7  | 118.0                                              | -1.6  | 131.4                                  | -0.1  |                                                    |  |
| 2020                |                  | 126.9                 | 6.6   | 118.7                                              | 0.6   | 135.2                                  | 2.9   |                                                    |  |
| 2021                |                  | 123.8                 | -2.4  | 121.0                                              | 1.9   | 170.8                                  | 26.3  |                                                    |  |
| 2020                | Q1               | 113.1                 | 4.8   | 118.9                                              | 18.1  | 147.5                                  | 20.9  |                                                    |  |
|                     | Q2               | 127.7                 | 7.6   | 113.7                                              | 0.9   | 120.4                                  | 0.2   |                                                    |  |
|                     | Q3               | 153.5                 | 14.4  | 114.9                                              | -10.5 | 133.1                                  | -2.4  |                                                    |  |
|                     | Q4               | 113.2                 | -1.7  | 127.3                                              | -2.2  | 139.8                                  | -5.0  |                                                    |  |
| 2021                | Q1               | 107.2                 | -5.2  | 125.7                                              | 5.7   | 161.8                                  | 9.7   |                                                    |  |
|                     | Q2               | 104.9                 | -17.8 | 117.5                                              | 3.3   | 165.8                                  | 37.8  |                                                    |  |
|                     | Q3               | 145.2                 | -5.4  | 111.2                                              | -3.2  | 175.4                                  | 31.7  |                                                    |  |
|                     | Q4               | 137.8                 | 21.8  | 129.4                                              | 1.7   | 180.2                                  | 28.9  |                                                    |  |
| 2020                | Jan.             | 120.7                 | 13.4  | 118.5                                              | 17.9  | 161.3                                  | 30.7  |                                                    |  |
|                     | Feb.             | 114.8                 | 5.7   | 122.6                                              | 22.2  | 145.7                                  | 25.5  |                                                    |  |
|                     | Mar.             | 103.9                 | -4.7  | 115.6                                              | 14.2  | 135.5                                  | 7.0   |                                                    |  |
|                     | Apr.             | 103.3                 | -16.7 | 100.9                                              | -9.0  | 130.5                                  | 2.8   |                                                    |  |
|                     | May.             | 139.2                 | 17.8  | 119.3                                              | -2.3  | 121.0                                  | -5.7  |                                                    |  |
|                     | Jun.             | 140.5                 | 23.4  | 121.0                                              | 14.9  | 109.6                                  | 4.5   |                                                    |  |
|                     | Jul.             | 148.8                 | 18.7  | 114.0                                              | -11.5 | 124.0                                  | -7.2  |                                                    |  |
|                     | Aug.             | 167.2                 | 18.1  | 118.9                                              | -13.7 | 127.8                                  | -7.0  |                                                    |  |
|                     | Sep.             | 144.6                 | 6.7   | 111.9                                              | -5.6  | 147.6                                  | 6.6   |                                                    |  |
|                     | Oct.             | 118.9                 | 7.8   | 119.5                                              | -1.5  | 128.3                                  | -6.3  |                                                    |  |
|                     | Nov.             | 107.9                 | -12.1 | 134.3                                              | 0.9   | 137.7                                  | 3.7   |                                                    |  |
|                     | Dec.             | 112.7                 | 0.4   | 128.1                                              | -5.7  | 153.4                                  | -10.7 |                                                    |  |
| 2021                | Jan              | 107.8                 | -10.7 | 128.2                                              | 8.3   | 160.2                                  | -0.7  |                                                    |  |
|                     | Feb              | 107.0                 | -6.8  | 117.1                                              | -4.4  | 163.2                                  | 12.0  |                                                    |  |
|                     | Mar              | 106.9                 | 2.9   | 131.6                                              | 13.9  | 161.9                                  | 19.4  |                                                    |  |
|                     | Apr              | 107.4                 | 4.0   | 107.0                                              | 6.1   | 167.8                                  | 28.6  |                                                    |  |
|                     | May              | 113.4                 | -18.6 | 124.4                                              | 4.2   | 154.9                                  | 28.1  |                                                    |  |
|                     | Jun              | 93.8                  | -33.2 | 121.1                                              | 0.1   | 174.7                                  | 59.5  |                                                    |  |
|                     | Jul              | 142.5                 | -4.2  | 104.6                                              | -8.2  | 170.6                                  | 37.6  |                                                    |  |
|                     | Aug              | 138.6                 | -17.1 | 119.0                                              | 0.1   | 169.9                                  | 32.9  |                                                    |  |
|                     | Sep              | 154.5                 | 6.8   | 110.0                                              | -1.6  | 185.6                                  | 25.8  |                                                    |  |
|                     | Oct              | 147.8                 | 24.3  | 126.3                                              | 5.7   | 180.8                                  | 41.0  |                                                    |  |
|                     | Nov              | 119.2                 | 10.4  | 135.9                                              | 1.2   | 175.8                                  | 27.7  |                                                    |  |
|                     | Dec              | 146.5                 | 30.1  | 126.1                                              | -1.6  | 184.0                                  | 20.0  |                                                    |  |
| 2022                | Jan              | 134.1                 | 24.4  | 138.9                                              | 8.3   | 184.9                                  | 15.4  |                                                    |  |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan produk makanan lain<br>t.t.t.l.    |                                                           | Pembuatan minuman keras malt<br>dan malt |                                                           | Pembuatan minuman ringan   |                                                           |
|---------------|------------------|----------------------------------------------|-----------------------------------------------------------|------------------------------------------|-----------------------------------------------------------|----------------------------|-----------------------------------------------------------|
|               |                  | Indeks/ Index                                | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                            | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index              | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|               |                  | Manufacture of other food<br>products n.e.c. |                                                           | Manufacture of malt liquors and<br>malt  |                                                           | Manufacture of soft drinks |                                                           |
|               |                  | Kod/ Codes                                   | 10799                                                     | 11030                                    |                                                           | 11041                      |                                                           |
|               |                  | Wajaran/Weight 2015                          | 0.15                                                      | 0.18                                     |                                                           | 0.38                       |                                                           |
| 2019          |                  | 121.2                                        | 2.0                                                       | 137.2                                    | 1.4                                                       | 124.1                      | 5.6                                                       |
| 2020          |                  | 124.8                                        | 2.9                                                       | 103.6                                    | -24.4                                                     | 112.6                      | -9.3                                                      |
| 2021          |                  | 116.4                                        | -6.7                                                      | 115.1                                    | 11.1                                                      | 125.3                      | 11.3                                                      |
| 2020          | Q1               | 125.6                                        | 6.6                                                       | 117.8                                    | -2.8                                                      | 110.5                      | -1.8                                                      |
|               | Q2               | 116.9                                        | -0.3                                                      | 30.7                                     | -77.4                                                     | 105.6                      | -19.4                                                     |
|               | Q3               | 134.0                                        | 1.1                                                       | 120.7                                    | -12.0                                                     | 119.2                      | -8.4                                                      |
|               | Q4               | 122.7                                        | 4.5                                                       | 145.4                                    | -5.9                                                      | 115.0                      | -6.3                                                      |
| 2021          | Q1               | 121.0                                        | -3.6                                                      | 123.5                                    | 4.8                                                       | 112.1                      | 1.4                                                       |
|               | Q2               | 108.8                                        | -6.9                                                      | 90.8                                     | 196.1                                                     | 127.1                      | 20.4                                                      |
|               | Q3               | 110.2                                        | -17.8                                                     | 68.1                                     | -43.6                                                     | 137.2                      | 15.1                                                      |
|               | Q4               | 125.5                                        | 2.3                                                       | 178.2                                    | 22.5                                                      | 124.7                      | 8.4                                                       |
| 2020          | Jan.             | 128.1                                        | 3.9                                                       | 129.1                                    | -8.8                                                      | 116.4                      | 3.5                                                       |
|               | Feb.             | 127.1                                        | 12.0                                                      | 113.1                                    | 4.8                                                       | 107.9                      | 1.4                                                       |
|               | Mar.             | 121.5                                        | 4.3                                                       | 111.3                                    | -2.6                                                      | 107.4                      | -9.7                                                      |
|               | Apr.             | 103.9                                        | -8.2                                                      | 0.0                                      | -100.0                                                    | 98.5                       | -20.5                                                     |
|               | May.             | 118.9                                        | -3.0                                                      | 36.4                                     | -72.6                                                     | 104.0                      | -22.1                                                     |
|               | Jun.             | 128.0                                        | 10.3                                                      | 55.6                                     | -62.1                                                     | 114.3                      | -15.6                                                     |
|               | Jul.             | 132.3                                        | 3.5                                                       | 96.8                                     | -27.8                                                     | 121.2                      | -6.0                                                      |
|               | Aug.             | 133.0                                        | -2.3                                                      | 135.2                                    | -2.2                                                      | 118.2                      | -14.1                                                     |
|               | Sep.             | 136.8                                        | 2.3                                                       | 130.1                                    | -6.5                                                      | 118.2                      | -4.5                                                      |
|               | Oct.             | 118.2                                        | 5.1                                                       | 134.0                                    | -7.2                                                      | 114.4                      | -5.5                                                      |
|               | Nov.             | 126.1                                        | 4.6                                                       | 133.9                                    | -10.5                                                     | 113.9                      | -11.9                                                     |
|               | Dec.             | 123.7                                        | 3.9                                                       | 168.3                                    | -0.8                                                      | 116.8                      | -1.0                                                      |
| 2021          | Jan              | 124.8                                        | -2.6                                                      | 123.3                                    | -4.5                                                      | 117.7                      | 1.2                                                       |
|               | Feb              | 126.6                                        | -0.4                                                      | 113.8                                    | 0.7                                                       | 108.6                      | 0.6                                                       |
|               | Mar              | 111.6                                        | -8.1                                                      | 133.4                                    | 19.9                                                      | 109.9                      | 2.3                                                       |
|               | Apr              | 107.8                                        | 3.8                                                       | 150.8                                    | #DIV/0!                                                   | 137.7                      | 39.9                                                      |
|               | May              | 109.3                                        | -8.1                                                      | 121.3                                    | 232.9                                                     | 122.6                      | 17.9                                                      |
|               | Jun              | 109.4                                        | -14.6                                                     | 0.3                                      | -99.4                                                     | 121.1                      | 5.9                                                       |
|               | Jul              | 102.3                                        | -22.7                                                     | 0.5                                      | -99.5                                                     | 133.1                      | 9.8                                                       |
|               | Aug              | 105.8                                        | -20.4                                                     | 73.6                                     | -45.6                                                     | 148.0                      | 25.2                                                      |
|               | Sep              | 122.5                                        | -10.5                                                     | 130.2                                    | 0.1                                                       | 130.5                      | 10.3                                                      |
|               | Oct              | 118.8                                        | 0.6                                                       | 176.8                                    | 32.0                                                      | 123.4                      | 7.9                                                       |
|               | Nov              | 135.2                                        | 7.2                                                       | 168.3                                    | 25.7                                                      | 120.9                      | 6.2                                                       |
|               | Dec              | 122.5                                        | -1.0                                                      | 189.4                                    | 12.5                                                      | 129.8                      | 11.1                                                      |
| 2022          | Jan              | 120.7                                        | -3.2                                                      | 146.8                                    | 19.1                                                      | 126.7                      | 7.6                                                       |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                                             |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |        | Indeks/ Index                                 |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  |
|---------------------|------------------|---------------------------------------------------------------------------|-------|-----------------------------------------------------------|--------|-----------------------------------------------|-------|-----------------------------------------------------------|--|
|                     |                  | Pengeluaran air mineral<br>semulajadi dan minuman lain<br>yang dibotolkan |       | Pembuatan produk tembakau                                 |        | Penyediaan dan pemintalan<br>gentian tekstil  |       |                                                           |  |
|                     |                  | Production of natural mineral<br>waters and other bottled waters          |       | Manufacture of tobacco products                           |        | Preparation and spinning of textile<br>fibres |       |                                                           |  |
| Kod/ Codes          |                  | 11042                                                                     |       | 12000                                                     |        | 13110                                         |       |                                                           |  |
| Wajaran/Weight 2015 |                  | 0.06                                                                      |       | 0.52                                                      |        | 0.07                                          |       |                                                           |  |
| 2019                |                  | 122.5                                                                     | -4.0  | 113.6                                                     | 5.8    | 108.2                                         | -0.6  |                                                           |  |
| 2020                |                  | 114.5                                                                     | -6.5  | 95.4                                                      | -16.0  | 93.3                                          | -13.8 |                                                           |  |
| 2021                |                  | 123.7                                                                     | 8.0   | 83.6                                                      | -12.4  | 112.0                                         | 20.0  |                                                           |  |
| 2020                | Q1               | 128.6                                                                     | 13.9  | 114.9                                                     | -3.3   | 106.3                                         | 2.0   |                                                           |  |
|                     | Q2               | 99.3                                                                      | -19.9 | 35.8                                                      | -69.1  | 72.4                                          | -31.8 |                                                           |  |
|                     | Q3               | 107.1                                                                     | -9.2  | 117.3                                                     | 5.1    | 97.4                                          | -11.2 |                                                           |  |
|                     | Q4               | 123.2                                                                     | -9.0  | 113.7                                                     | 5.4    | 97.2                                          | -14.0 |                                                           |  |
| 2021                | Q1               | 133.9                                                                     | 4.1   | 122.6                                                     | 6.7    | 100.8                                         | -5.2  |                                                           |  |
|                     | Q2               | 119.0                                                                     | 19.8  | 69.5                                                      | 94.4   | 108.9                                         | 50.3  |                                                           |  |
|                     | Q3               | 114.5                                                                     | 7.0   | 21.3                                                      | -81.8  | 118.6                                         | 21.8  |                                                           |  |
|                     | Q4               | 127.2                                                                     | 3.3   | 121.1                                                     | 6.4    | 119.6                                         | 23.1  |                                                           |  |
| 2020                | Jan.             | 144.0                                                                     | 15.8  | 115.3                                                     | -1.7   | 105.4                                         | 3.6   |                                                           |  |
|                     | Feb.             | 136.4                                                                     | 27.4  | 122.2                                                     | 4.5    | 108.4                                         | 4.6   |                                                           |  |
|                     | Mar.             | 105.5                                                                     | -1.6  | 107.2                                                     | -12.3  | 105.2                                         | -1.9  |                                                           |  |
|                     | Apr.             | 96.3                                                                      | -19.5 | 2.6                                                       | -97.7  | 56.5                                          | -42.2 |                                                           |  |
|                     | May.             | 80.7                                                                      | -37.4 | 19.8                                                      | -82.7  | 75.2                                          | -31.6 |                                                           |  |
|                     | Jun.             | 121.0                                                                     | -2.0  | 84.9                                                      | -27.6  | 85.6                                          | -22.8 |                                                           |  |
|                     | Jul.             | 95.0                                                                      | -20.0 | 117.8                                                     | 5.7    | 88.4                                          | -20.1 |                                                           |  |
|                     | Aug.             | 108.3                                                                     | -6.3  | 117.1                                                     | 2.1    | 90.1                                          | -12.7 |                                                           |  |
|                     | Sep.             | 117.9                                                                     | -1.2  | 117.2                                                     | 7.6    | 113.5                                         | -1.3  |                                                           |  |
|                     | Oct.             | 126.1                                                                     | -6.8  | 109.8                                                     | 5.0    | 93.9                                          | -15.2 |                                                           |  |
|                     | Nov.             | 114.3                                                                     | -7.2  | 112.2                                                     | 5.6    | 94.7                                          | -22.0 |                                                           |  |
|                     | Dec.             | 129.1                                                                     | -12.4 | 119.3                                                     | 5.4    | 102.9                                         | -3.7  |                                                           |  |
| 2021                | Jan              | 140.1                                                                     | -2.7  | 122.1                                                     | 5.9    | 85.0                                          | -19.4 |                                                           |  |
|                     | Feb              | 134.1                                                                     | -1.6  | 125.5                                                     | 2.7    | 93.9                                          | -13.3 |                                                           |  |
|                     | Mar              | 127.4                                                                     | 20.7  | 120.2                                                     | 12.1   | 123.4                                         | 17.3  |                                                           |  |
|                     | Apr              | 119.8                                                                     | 24.4  | 106.1                                                     | 3960.1 | 105.8                                         | 87.4  |                                                           |  |
|                     | May              | 108.7                                                                     | 34.7  | 99.4                                                      | 401.2  | 103.7                                         | 37.8  |                                                           |  |
|                     | Jun              | 128.4                                                                     | 6.1   | 3.1                                                       | -96.3  | 117.0                                         | 36.8  |                                                           |  |
|                     | Jul              | 96.4                                                                      | 1.5   | 2.4                                                       | -97.9  | 107.9                                         | 22.1  |                                                           |  |
|                     | Aug              | 121.3                                                                     | 12.0  | 2.4                                                       | -98.0  | 116.8                                         | 29.7  |                                                           |  |
|                     | Sep              | 125.9                                                                     | 6.8   | 59.2                                                      | -49.4  | 131.0                                         | 15.4  |                                                           |  |
|                     | Oct              | 131.9                                                                     | 4.6   | 118.4                                                     | 7.9    | 111.1                                         | 18.3  |                                                           |  |
|                     | Nov              | 129.8                                                                     | 13.6  | 117.9                                                     | 5.2    | 121.0                                         | 27.8  |                                                           |  |
|                     | Dec              | 120.0                                                                     | -7.0  | 126.9                                                     | 6.4    | 126.8                                         | 23.2  |                                                           |  |
| 2022                | Jan              | 121.4                                                                     | -13.3 | 123.7                                                     | 1.3    | 110.8                                         | 30.3  |                                                           |  |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index       |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year                     |       | Indeks/ Index            |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  |
|---------------------|------------------|---------------------|-------|-------------------------------------------------------------------------------|-------|--------------------------|-------|-----------------------------------------------------------|--|
|                     |                  |                     |       |                                                                               |       |                          |       |                                                           |  |
|                     |                  | Penenunan tekstil   |       | Pewarnaan, pelunturan,<br>percetakan dan penyiapan akhir<br>benang dan fabrik |       | Pembuatan pakaian        |       |                                                           |  |
|                     |                  | Weaving of textiles |       | Dyeing, bleaching, printing and<br>finishing of yarns and fabrics             |       | Manufacture of clothings |       |                                                           |  |
| Kod/ Codes          |                  | 13120               |       | 13132                                                                         |       | 14102                    |       |                                                           |  |
| Wajaran/Weight 2015 |                  | 0.22                |       | 0.11                                                                          |       | 0.46                     |       |                                                           |  |
| 2019                |                  | 124.6               | 10.2  | 105.7                                                                         | -3.8  | 135.9                    | 6.8   |                                                           |  |
| 2020                |                  | 102.4               | -17.8 | 89.0                                                                          | -15.8 | 118.9                    | -12.5 |                                                           |  |
| 2021                |                  | 124.8               | 21.9  | 91.2                                                                          | 2.5   | 123.1                    | 3.6   |                                                           |  |
| 2020                | Q1               | 124.3               | 3.9   | 105.0                                                                         | 2.3   | 134.5                    | 3.7   |                                                           |  |
|                     | Q2               | 67.9                | -47.8 | 62.3                                                                          | -44.2 | 71.7                     | -47.0 |                                                           |  |
|                     | Q3               | 94.0                | -23.4 | 97.6                                                                          | -9.8  | 116.6                    | -5.2  |                                                           |  |
|                     | Q4               | 123.4               | -2.0  | 91.1                                                                          | -8.8  | 152.8                    | -1.8  |                                                           |  |
| 2021                | Q1               | 134.9               | 8.5   | 107.2                                                                         | 2.1   | 137.8                    | 2.5   |                                                           |  |
|                     | Q2               | 110.3               | 62.4  | 98.8                                                                          | 58.5  | 93.1                     | 29.9  |                                                           |  |
|                     | Q3               | 116.9               | 24.4  | 81.2                                                                          | -16.8 | 105.6                    | -9.5  |                                                           |  |
|                     | Q4               | 137.2               | 11.1  | 77.6                                                                          | -14.8 | 156.1                    | 2.2   |                                                           |  |
| 2020                | Jan.             | 126.8               | 6.9   | 100.3                                                                         | 0.2   | 140.0                    | 3.8   |                                                           |  |
|                     | Feb.             | 130.6               | 8.8   | 110.1                                                                         | 8.2   | 134.0                    | 7.6   |                                                           |  |
|                     | Mar.             | 115.6               | -3.9  | 104.5                                                                         | -1.3  | 129.6                    | -0.1  |                                                           |  |
|                     | Apr.             | 25.9                | -80.5 | 50.4                                                                          | -53.1 | 22.4                     | -82.3 |                                                           |  |
|                     | May.             | 72.2                | -42.7 | 56.6                                                                          | -53.2 | 65.4                     | -54.8 |                                                           |  |
|                     | Jun.             | 105.8               | -20.0 | 80.1                                                                          | -25.3 | 127.4                    | -5.4  |                                                           |  |
|                     | Jul.             | 78.0                | -36.5 | 95.0                                                                          | -15.6 | 106.4                    | -11.5 |                                                           |  |
|                     | Aug.             | 93.0                | -21.7 | 94.5                                                                          | -11.9 | 111.9                    | -7.5  |                                                           |  |
|                     | Sep.             | 111.0               | -12.3 | 103.1                                                                         | -1.6  | 131.6                    | 2.8   |                                                           |  |
|                     | Oct.             | 116.2               | -4.3  | 95.6                                                                          | -8.5  | 154.0                    | 1.8   |                                                           |  |
|                     | Nov.             | 140.4               | -3.4  | 83.3                                                                          | -9.1  | 150.4                    | -4.9  |                                                           |  |
|                     | Dec.             | 113.7               | 2.4   | 94.6                                                                          | -8.9  | 154.0                    | -2.3  |                                                           |  |
| 2021                | Jan              | 133.1               | 5.0   | 94.3                                                                          | -6.1  | 138.6                    | -1.0  |                                                           |  |
|                     | Feb              | 143.1               | 9.6   | 94.9                                                                          | -13.8 | 135.1                    | 0.8   |                                                           |  |
|                     | Mar              | 128.6               | 11.2  | 132.4                                                                         | 26.7  | 139.8                    | 7.9   |                                                           |  |
|                     | Apr              | 100.2               | 287.1 | 108.8                                                                         | 116.1 | 104.1                    | 365.8 |                                                           |  |
|                     | May              | 110.9               | 53.8  | 91.4                                                                          | 61.5  | 88.9                     | 36.0  |                                                           |  |
|                     | Jun              | 119.8               | 13.3  | 96.2                                                                          | 20.2  | 86.3                     | -32.2 |                                                           |  |
|                     | Jul              | 94.6                | 21.3  | 88.1                                                                          | -7.3  | 88.5                     | -16.8 |                                                           |  |
|                     | Aug              | 108.2               | 16.4  | 74.7                                                                          | -21.0 | 104.5                    | -6.6  |                                                           |  |
|                     | Sep              | 147.9               | 33.3  | 80.8                                                                          | -21.7 | 123.7                    | -6.0  |                                                           |  |
|                     | Oct              | 127.4               | 9.6   | 82.0                                                                          | -14.2 | 154.6                    | 0.4   |                                                           |  |
|                     | Nov              | 154.1               | 9.8   | 77.9                                                                          | -6.5  | 156.6                    | 4.1   |                                                           |  |
|                     | Dec              | 130.0               | 14.4  | 73.1                                                                          | -22.7 | 157.0                    | 2.0   |                                                           |  |
| 2022                | Jan              | 153.4               | 15.2  | 72.2                                                                          | -23.4 | 137.1                    | -1.1  |                                                           |  |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Pembuatan bagasi, beg tangan<br>dan seumpamanya, pelana dan<br>abah-abah       |                                                           | Pembuatan kasut kulit                  |                                                           | Pembuatan kasut getah                 |                                                           |
|---------------------|------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------|-----------------------------------------------------------|---------------------------------------|-----------------------------------------------------------|
|                     |                  | Indeks/ Index                                                                  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                          | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                         | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|                     |                  | <i>Manufacture of luggage, handbags<br/>and the like, saddlery and harness</i> |                                                           | <i>Manufacture of leather footwear</i> |                                                           | <i>Manufacture of rubber footwear</i> |                                                           |
| Kod/ Codes          |                  | 15120                                                                          |                                                           | 15201                                  |                                                           | 15203                                 |                                                           |
| Wajaran/Weight 2015 |                  | 0.05                                                                           |                                                           | 0.02                                   |                                                           | 0.04                                  |                                                           |
| 2019                |                  | 140.6                                                                          | 9.0                                                       | 113.3                                  | 4.6                                                       | 116.2                                 | 0.9                                                       |
| 2020                |                  | 120.4                                                                          | -14.4                                                     | 87.0                                   | -23.2                                                     | 86.4                                  | -25.7                                                     |
| 2021                |                  | 152.8                                                                          | 26.9                                                      | 89.6                                   | 2.9                                                       | 88.9                                  | 2.9                                                       |
| 2020                | Q1               | 157.5                                                                          | 5.3                                                       | 116.3                                  | -0.6                                                      | 114.9                                 | 0.8                                                       |
|                     | Q2               | 91.8                                                                           | -40.4                                                     | 48.7                                   | -59.4                                                     | 57.4                                  | -53.3                                                     |
|                     | Q3               | 87.1                                                                           | -28.7                                                     | 91.7                                   | -17.9                                                     | 83.2                                  | -29.9                                                     |
|                     | Q4               | 145.2                                                                          | 6.2                                                       | 91.4                                   | -12.7                                                     | 90.0                                  | -17.5                                                     |
| 2021                | Q1               | 193.4                                                                          | 22.8                                                      | 102.0                                  | -12.2                                                     | 102.0                                 | -11.2                                                     |
|                     | Q2               | 176.4                                                                          | 92.1                                                      | 93.9                                   | 92.6                                                      | 87.8                                  | 53.0                                                      |
|                     | Q3               | 81.3                                                                           | -6.7                                                      | 74.2                                   | -19.1                                                     | 69.7                                  | -16.2                                                     |
|                     | Q4               | 160.0                                                                          | 10.2                                                      | 88.2                                   | -3.5                                                      | 96.0                                  | 6.7                                                       |
| 2020                | Jan.             | 157.0                                                                          | 1.5                                                       | 121.9                                  | 1.8                                                       | 113.8                                 | -0.3                                                      |
|                     | Feb.             | 152.2                                                                          | 6.7                                                       | 116.6                                  | 1.6                                                       | 106.7                                 | 5.1                                                       |
|                     | Mar.             | 163.3                                                                          | 7.7                                                       | 110.4                                  | -5.3                                                      | 124.2                                 | -1.6                                                      |
|                     | Apr.             | 50.3                                                                           | -69.9                                                     | 9.6                                    | -91.5                                                     | 11.8                                  | -89.6                                                     |
|                     | May.             | 131.4                                                                          | -15.9                                                     | 36.1                                   | -71.9                                                     | 60.4                                  | -54.0                                                     |
|                     | Jun.             | 93.8                                                                           | -32.2                                                     | 100.4                                  | -15.2                                                     | 100.0                                 | -19.5                                                     |
|                     | Jul.             | 72.0                                                                           | -43.8                                                     | 93.5                                   | -20.4                                                     | 84.7                                  | -26.1                                                     |
|                     | Aug.             | 76.0                                                                           | -34.8                                                     | 96.7                                   | -12.3                                                     | 82.9                                  | -32.5                                                     |
|                     | Sep.             | 113.4                                                                          | -7.0                                                      | 84.9                                   | -20.9                                                     | 82.0                                  | -30.9                                                     |
|                     | Oct.             | 114.0                                                                          | -4.3                                                      | 88.9                                   | -6.4                                                      | 82.6                                  | -22.7                                                     |
|                     | Nov.             | 135.2                                                                          | -2.9                                                      | 94.3                                   | -12.0                                                     | 94.3                                  | -16.9                                                     |
|                     | Dec.             | 186.4                                                                          | 22.9                                                      | 91.0                                   | -18.7                                                     | 93.2                                  | -13.0                                                     |
| 2021                | Jan              | 195.3                                                                          | 24.4                                                      | 97.5                                   | -20.0                                                     | 98.5                                  | -13.4                                                     |
|                     | Feb              | 180.2                                                                          | 18.4                                                      | 100.8                                  | -13.5                                                     | 94.2                                  | -11.8                                                     |
|                     | Mar              | 204.8                                                                          | 25.4                                                      | 107.8                                  | -2.3                                                      | 113.4                                 | -8.7                                                      |
|                     | Apr              | 215.8                                                                          | 328.8                                                     | 103.2                                  | 970.2                                                     | 100.8                                 | 751.1                                                     |
|                     | May              | 212.6                                                                          | 61.8                                                      | 100.6                                  | 178.4                                                     | 97.6                                  | 61.8                                                      |
|                     | Jun              | 100.9                                                                          | 7.5                                                       | 77.9                                   | -22.4                                                     | 65.0                                  | -35.1                                                     |
|                     | Jul              | 68.5                                                                           | -4.9                                                      | 72.7                                   | -22.3                                                     | 59.7                                  | -29.5                                                     |
|                     | Aug              | 81.3                                                                           | 7.1                                                       | 75.6                                   | -21.9                                                     | 70.1                                  | -15.5                                                     |
|                     | Sep              | 94.0                                                                           | -17.0                                                     | 74.4                                   | -12.4                                                     | 79.4                                  | -3.2                                                      |
|                     | Oct              | 121.6                                                                          | 6.7                                                       | 85.6                                   | -3.8                                                      | 84.7                                  | 2.5                                                       |
|                     | Nov              | 159.9                                                                          | 18.3                                                      | 87.1                                   | -7.7                                                      | 103.6                                 | 9.8                                                       |
|                     | Dec              | 198.4                                                                          | 6.4                                                       | 91.9                                   | 1.0                                                       | 99.8                                  | 7.1                                                       |
| 2022                | Jan              | 210.6                                                                          | 7.9                                                       | 89.5                                   | -8.2                                                      | 107.8                                 | 9.4                                                       |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pengilangan dan pengetaman kayu        |                                                    | Pembuatan kepingan venier dan papan lapis       |                                                    | Pembuatan papan partikel dan papan gentian          |                                                    |
|---------------|------------------|----------------------------------------|----------------------------------------------------|-------------------------------------------------|----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|
|               |                  | Indeks/ Index                          | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                   | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                       | % Perubahan tahun ke tahun/<br>change year-on-year |
|               |                  | <i>Sawmilling and planning of wood</i> |                                                    | <i>Manufacture of veneer sheets and plywood</i> |                                                    | <i>Manufacture of particle board and fibreboard</i> |                                                    |
|               |                  | Kod/ Codes                             | 16100                                              | 16211                                           | 16211                                              | 16212                                               | 16212                                              |
|               |                  | Wajaran/Weight 2015                    | 0.35                                               | 0.57                                            | 0.57                                               | 0.25                                                | 0.25                                               |
| 2019          |                  | 126.8                                  | -2.9                                               | 100.3                                           | 13.9                                               | 130.9                                               | 6.8                                                |
| 2020          |                  | 109.6                                  | -13.6                                              | 81.8                                            | -18.5                                              | 121.3                                               | -7.3                                               |
| 2021          |                  | 124.5                                  | 13.6                                               | 93.0                                            | 13.7                                               | 129.1                                               | 6.4                                                |
| 2020          | Q1               | 127.4                                  | -7.7                                               | 105.4                                           | 18.4                                               | 119.0                                               | -4.4                                               |
|               | Q2               | 69.8                                   | -49.2                                              | 52.6                                            | -44.8                                              | 72.4                                                | -42.5                                              |
|               | Q3               | 118.8                                  | -0.7                                               | 76.3                                            | -27.0                                              | 136.8                                               | 2.0                                                |
|               | Q4               | 122.3                                  | 9.2                                                | 92.6                                            | -17.5                                              | 157.1                                               | 12.9                                               |
| 2021          | Q1               | 127.3                                  | -0.1                                               | 107.1                                           | 1.6                                                | 115.0                                               | -3.4                                               |
|               | Q2               | 91.1                                   | 30.5                                               | 120.1                                           | 128.1                                              | 80.8                                                | 11.7                                               |
|               | Q3               | 134.5                                  | 13.2                                               | 51.9                                            | -32.0                                              | 130.6                                               | -4.6                                               |
|               | Q4               | 144.9                                  | 18.5                                               | 92.9                                            | 0.3                                                | 190.1                                               | 20.9                                               |
| 2020          | Jan.             | 118.9                                  | -20.6                                              | 102.7                                           | 17.4                                               | 140.8                                               | 11.8                                               |
|               | Feb.             | 141.4                                  | 7.4                                                | 92.5                                            | 5.8                                                | 127.4                                               | 1.0                                                |
|               | Mar.             | 121.8                                  | -8.1                                               | 121.1                                           | 31.1                                               | 88.9                                                | -26.9                                              |
|               | Apr.             | 21.7                                   | -84.7                                              | 10.0                                            | -89.1                                              | 18.5                                                | -85.6                                              |
|               | May.             | 50.0                                   | -63.8                                              | 40.8                                            | -57.1                                              | 67.4                                                | -45.5                                              |
|               | Jun.             | 137.7                                  | 3.6                                                | 107.1                                           | 8.3                                                | 131.2                                               | 4.6                                                |
|               | Jul.             | 113.8                                  | -4.3                                               | 66.9                                            | -33.5                                              | 141.6                                               | 7.4                                                |
|               | Aug.             | 122.4                                  | 1.8                                                | 76.3                                            | -27.1                                              | 110.5                                               | -18.2                                              |
|               | Sep.             | 120.2                                  | 0.3                                                | 85.9                                            | -21.0                                              | 158.3                                               | 16.9                                               |
|               | Oct.             | 107.9                                  | -3.7                                               | 89.1                                            | -19.5                                              | 153.1                                               | 10.7                                               |
|               | Nov.             | 134.9                                  | 18.9                                               | 87.7                                            | -20.3                                              | 156.8                                               | 14.0                                               |
|               | Dec.             | 124.2                                  | 12.3                                               | 101.0                                           | -12.9                                              | 161.6                                               | 13.8                                               |
| 2021          | Jan              | 120.1                                  | 1.0                                                | 101.2                                           | -1.5                                               | 134.5                                               | -4.5                                               |
|               | Feb              | 135.5                                  | -4.2                                               | 98.6                                            | 6.6                                                | 110.5                                               | -13.3                                              |
|               | Mar              | 126.3                                  | 3.6                                                | 121.5                                           | 0.3                                                | 99.9                                                | 12.4                                               |
|               | Apr              | 92.6                                   | 326.8                                              | 135.5                                           | 1249.9                                             | 68.4                                                | 268.9                                              |
|               | May              | 86.1                                   | 72.1                                               | 129.7                                           | 217.7                                              | 83.3                                                | 23.7                                               |
|               | Jun              | 94.6                                   | -31.3                                              | 95.1                                            | -11.2                                              | 90.8                                                | -30.8                                              |
|               | Jul              | 82.3                                   | -27.7                                              | 48.8                                            | -27.0                                              | 112.6                                               | -20.5                                              |
|               | Aug              | 160.2                                  | 30.8                                               | 47.9                                            | -37.2                                              | 117.6                                               | 6.4                                                |
|               | Sep              | 160.9                                  | 33.9                                               | 59.1                                            | -31.3                                              | 161.7                                               | 2.1                                                |
|               | Oct              | 136.6                                  | 26.7                                               | 74.5                                            | -16.3                                              | 177.9                                               | 16.2                                               |
|               | Nov              | 158.3                                  | 17.4                                               | 95.3                                            | 8.7                                                | 193.1                                               | 23.2                                               |
|               | Dec              | 139.9                                  | 12.6                                               | 108.8                                           | 7.7                                                | 199.2                                               | 23.3                                               |
| 2022          | Jan              | 133.7                                  | 11.3                                               | 101.0                                           | -0.2                                               | 180.4                                               | 34.1                                               |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

|                     |                  | Indeks/ Index                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                    | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|------------------------------------|-----------------------------------------------------------|----------------------------------|-----------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pertukangan kayu untuk jurubina    |                                                           | Pembuatan bekas kayu             |                                                           | Pembuatan pulpa, kertas dan<br>kertas tebal  |                                                           |
| Tahun<br>Year       | Tempoh<br>Period | Manufacture of builders' carpentry |                                                           | Manufacture of wooden containers |                                                           | Manufacture of pulp, paper and<br>paperboard |                                                           |
| Kod/ Codes          |                  | 16221                              |                                                           | 16230                            |                                                           | 17010                                        |                                                           |
| Wajaran/Weight 2015 |                  | 0.14                               |                                                           | 0.06                             |                                                           | 0.24                                         |                                                           |
| 2019                |                  | 106.0                              | 4.5                                                       | 231.0                            | -7.0                                                      | 113.4                                        | 2.4                                                       |
| 2020                |                  | 94.8                               | -10.6                                                     | 251.9                            | 9.1                                                       | 101.5                                        | -10.5                                                     |
| 2021                |                  | 81.5                               | -14.0                                                     | 278.4                            | 10.5                                                      | 120.6                                        | 18.8                                                      |
| 2020                | Q1               | 102.9                              | -6.6                                                      | 288.9                            | 10.3                                                      | 110.1                                        | -10.5                                                     |
|                     | Q2               | 59.4                               | -41.8                                                     | 206.1                            | 6.5                                                       | 78.5                                         | -34.4                                                     |
|                     | Q3               | 106.2                              | 5.4                                                       | 216.4                            | 9.4                                                       | 114.2                                        | 11.6                                                      |
|                     | Q4               | 110.8                              | -0.3                                                      | 296.2                            | 9.5                                                       | 103.1                                        | -5.1                                                      |
| 2021                | Q1               | 93.8                               | -8.9                                                      | 291.2                            | 0.8                                                       | 117.7                                        | 6.9                                                       |
|                     | Q2               | 65.9                               | 11.0                                                      | 272.7                            | 32.3                                                      | 123.9                                        | 57.7                                                      |
|                     | Q3               | 72.2                               | -32.0                                                     | 243.6                            | 12.6                                                      | 121.3                                        | 6.3                                                       |
|                     | Q4               | 94.2                               | -15.0                                                     | 306.3                            | 3.4                                                       | 119.3                                        | 15.7                                                      |
| 2020                | Jan.             | 108.3                              | -1.4                                                      | 294.4                            | 27.9                                                      | 111.9                                        | -11.1                                                     |
|                     | Feb.             | 121.5                              | 6.5                                                       | 352.5                            | 18.3                                                      | 114.4                                        | -3.3                                                      |
|                     | Mar.             | 79.0                               | -25.9                                                     | 219.9                            | -14.6                                                     | 104.2                                        | -16.8                                                     |
|                     | Apr.             | 20.3                               | -80.5                                                     | 208.3                            | 1.8                                                       | 46.9                                         | -62.2                                                     |
|                     | May.             | 44.9                               | -55.2                                                     | 227.6                            | 15.6                                                      | 80.9                                         | -34.0                                                     |
|                     | Jun.             | 112.9                              | 11.0                                                      | 182.4                            | 1.9                                                       | 107.9                                        | -4.1                                                      |
|                     | Jul.             | 113.2                              | 11.3                                                      | 187.4                            | -5.2                                                      | 123.4                                        | 20.6                                                      |
|                     | Aug.             | 105.4                              | 6.6                                                       | 200.8                            | 3.3                                                       | 114.6                                        | 15.2                                                      |
|                     | Sep.             | 99.9                               | -1.8                                                      | 260.9                            | 29.5                                                      | 104.6                                        | -0.6                                                      |
|                     | Oct.             | 107.7                              | -0.8                                                      | 304.8                            | 18.1                                                      | 95.4                                         | 0.2                                                       |
|                     | Nov.             | 114.8                              | 1.2                                                       | 263.9                            | 4.8                                                       | 102.5                                        | -6.7                                                      |
|                     | Dec.             | 109.8                              | -1.4                                                      | 320.0                            | 6.0                                                       | 111.6                                        | -7.8                                                      |
| 2021                | Jan              | 99.1                               | -8.5                                                      | 278.1                            | -5.5                                                      | 112.7                                        | 0.8                                                       |
|                     | Feb              | 109.1                              | -10.2                                                     | 322.9                            | -8.4                                                      | 116.3                                        | 1.7                                                       |
|                     | Mar              | 73.1                               | -7.5                                                      | 272.6                            | 24.0                                                      | 124.2                                        | 19.2                                                      |
|                     | Apr              | 62.6                               | 207.8                                                     | 259.5                            | 24.6                                                      | 127.5                                        | 172.0                                                     |
|                     | May              | 64.6                               | 43.8                                                      | 251.6                            | 10.6                                                      | 122.0                                        | 50.9                                                      |
|                     | Jun              | 70.6                               | -37.5                                                     | 307.0                            | 68.4                                                      | 122.1                                        | 13.2                                                      |
|                     | Jul              | 68.3                               | -39.6                                                     | 210.3                            | 12.2                                                      | 125.7                                        | 1.9                                                       |
|                     | Aug              | 69.6                               | -34.0                                                     | 252.4                            | 25.7                                                      | 118.1                                        | 3.0                                                       |
|                     | Sep              | 78.6                               | -21.3                                                     | 268.2                            | 2.8                                                       | 120.2                                        | 15.0                                                      |
|                     | Oct              | 93.0                               | -13.7                                                     | 348.7                            | 14.4                                                      | 114.4                                        | 19.9                                                      |
|                     | Nov              | 97.9                               | -14.7                                                     | 285.6                            | 8.2                                                       | 122.9                                        | 19.9                                                      |
|                     | Dec              | 91.6                               | -16.6                                                     | 284.7                            | -11.0                                                     | 120.8                                        | 8.2                                                       |
| 2022                | Jan              | 88.5                               | -10.6                                                     | 351.1                            | 26.2                                                      | 121.6                                        | 7.9                                                       |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                                                                  |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       | Indeks/ Index                                             |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  |
|---------------------|------------------|------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------|-------|-----------------------------------------------------------|-------|-----------------------------------------------------------|--|
|                     |                  | Pembuatan kertas gelugur dan<br>kertas tebal dan bekas daripada<br>kertas dan kertas tebal     |       | Pembuatan sampul surat dan kad<br>surat                   |       | Pembuatan kertas kegunaan<br>rumah dan pembersih peribadi |       |                                                           |  |
|                     |                  | Manufacture of corrugated paper<br>and paperboard and of containers<br>of paper and paperboard |       | Manufacture of envelopes and<br>letter-card               |       | Manufacture of household and<br>personal hygiene paper    |       |                                                           |  |
| Kod/ Codes          |                  | 17020                                                                                          |       | 17091                                                     |       | 17092                                                     |       |                                                           |  |
| Wajaran/Weight 2015 |                  | 0.45                                                                                           |       | 0.04                                                      |       | 0.22                                                      |       |                                                           |  |
| 2019                |                  | 121.8                                                                                          | 4.6   | 106.5                                                     | 12.7  | 122.6                                                     | -0.6  |                                                           |  |
| 2020                |                  | 127.8                                                                                          | 4.9   | 78.9                                                      | -25.9 | 112.3                                                     | -8.4  |                                                           |  |
| 2021                |                  | 158.8                                                                                          | 24.3  | 63.9                                                      | -19.0 | 115.3                                                     | 2.7   |                                                           |  |
| 2020                | Q1               | 122.6                                                                                          | 5.3   | 100.6                                                     | -8.8  | 119.4                                                     | -6.2  |                                                           |  |
|                     | Q2               | 117.9                                                                                          | -1.8  | 59.8                                                      | -43.1 | 94.0                                                      | -23.0 |                                                           |  |
|                     | Q3               | 130.9                                                                                          | 6.5   | 70.8                                                      | -29.6 | 112.3                                                     | -4.5  |                                                           |  |
|                     | Q4               | 139.7                                                                                          | 9.4   | 84.5                                                      | -23.1 | 123.6                                                     | 0.0   |                                                           |  |
| 2021                | Q1               | 134.2                                                                                          | 9.5   | 86.3                                                      | -14.3 | 142.3                                                     | 19.2  |                                                           |  |
|                     | Q2               | 144.4                                                                                          | 22.5  | 54.7                                                      | -8.5  | 101.7                                                     | 8.2   |                                                           |  |
|                     | Q3               | 165.8                                                                                          | 26.6  | 53.5                                                      | -24.4 | 101.0                                                     | -10.0 |                                                           |  |
|                     | Q4               | 190.8                                                                                          | 36.5  | 61.3                                                      | -27.4 | 116.2                                                     | -6.0  |                                                           |  |
| 2020                | Jan.             | 115.2                                                                                          | -0.1  | 117.6                                                     | 5.5   | 130.9                                                     | 2.8   |                                                           |  |
|                     | Feb.             | 122.4                                                                                          | 5.7   | 101.1                                                     | -5.0  | 131.4                                                     | 3.8   |                                                           |  |
|                     | Mar.             | 130.2                                                                                          | 10.1  | 83.2                                                      | -26.4 | 96.0                                                      | -24.9 |                                                           |  |
|                     | Apr.             | 91.6                                                                                           | -25.1 | 42.7                                                      | -61.3 | 64.9                                                      | -48.4 |                                                           |  |
|                     | May.             | 120.3                                                                                          | -1.0  | 63.6                                                      | -38.9 | 93.8                                                      | -23.6 |                                                           |  |
|                     | Jun.             | 141.9                                                                                          | 21.8  | 73.0                                                      | -27.6 | 123.3                                                     | 5.0   |                                                           |  |
|                     | Jul.             | 143.3                                                                                          | 13.7  | 74.2                                                      | -26.3 | 97.2                                                      | -17.6 |                                                           |  |
|                     | Aug.             | 114.8                                                                                          | 0.6   | 66.9                                                      | -31.8 | 105.1                                                     | -0.6  |                                                           |  |
|                     | Sep.             | 134.7                                                                                          | 4.6   | 71.4                                                      | -30.8 | 134.5                                                     | 4.4   |                                                           |  |
|                     | Oct.             | 128.9                                                                                          | 9.4   | 81.6                                                      | -17.4 | 116.7                                                     | -1.4  |                                                           |  |
|                     | Nov.             | 143.9                                                                                          | 9.6   | 85.1                                                      | -22.0 | 121.3                                                     | -7.1  |                                                           |  |
|                     | Dec.             | 146.3                                                                                          | 9.3   | 86.7                                                      | -28.8 | 132.8                                                     | 9.0   |                                                           |  |
| 2021                | Jan              | 125.7                                                                                          | 9.1   | 89.0                                                      | -24.3 | 153.8                                                     | 17.5  |                                                           |  |
|                     | Feb              | 130.9                                                                                          | 7.0   | 80.0                                                      | -20.9 | 148.0                                                     | 12.7  |                                                           |  |
|                     | Mar              | 146.1                                                                                          | 12.2  | 89.9                                                      | 8.0   | 125.1                                                     | 30.3  |                                                           |  |
|                     | Apr              | 145.4                                                                                          | 58.8  | 59.7                                                      | 39.8  | 101.5                                                     | 56.3  |                                                           |  |
|                     | May              | 132.7                                                                                          | 10.4  | 47.6                                                      | -25.2 | 93.8                                                      | 0.0   |                                                           |  |
|                     | Jun              | 155.2                                                                                          | 9.4   | 56.8                                                      | -22.2 | 109.8                                                     | -10.9 |                                                           |  |
|                     | Jul              | 141.4                                                                                          | -1.3  | 49.8                                                      | -32.8 | 104.2                                                     | 7.1   |                                                           |  |
|                     | Aug              | 166.6                                                                                          | 45.1  | 52.1                                                      | -22.1 | 89.5                                                      | -14.8 |                                                           |  |
|                     | Sep              | 189.4                                                                                          | 40.7  | 58.6                                                      | -17.9 | 109.4                                                     | -18.6 |                                                           |  |
|                     | Oct              | 182.0                                                                                          | 41.2  | 62.5                                                      | -23.4 | 100.7                                                     | -13.7 |                                                           |  |
|                     | Nov              | 193.3                                                                                          | 34.3  | 62.2                                                      | -26.9 | 124.6                                                     | 2.7   |                                                           |  |
|                     | Dec              | 197.0                                                                                          | 34.6  | 59.3                                                      | -31.6 | 123.4                                                     | -7.1  |                                                           |  |
| 2022                | Jan              | 176.2                                                                                          | 40.1  | 68.8                                                      | -22.7 | 133.5                                                     | -13.2 |                                                           |  |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                                                                           |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       | Indeks/ Index                                 |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  |
|---------------------|------------------|---------------------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------|-------|-----------------------------------------------|-------|-----------------------------------------------------------|--|
|                     |                  | Pembuatan kertas bergam atau<br>pelekat yang berjalur atau<br>bergulung dan label dan kertas<br>dinding |       | Percetakan                                                |       | Aktiviti perkhidmatan berkaitan<br>percetakan |       |                                                           |  |
|                     |                  | Manufacture of gummed or<br>adhesive paper in strips or rolls and<br>labels and wall paper              |       | Printing                                                  |       | Service activities related to printing        |       |                                                           |  |
|                     |                  | Kod/ Codes                                                                                              |       | 17093                                                     |       | 18110                                         |       | 18120                                                     |  |
| Wajaran/Weight 2015 |                  | 0.11                                                                                                    |       | 0.73                                                      |       | 0.19                                          |       |                                                           |  |
| 2019                |                  | 119.8                                                                                                   | 5.3   | 115.2                                                     | 3.7   | 134.3                                         | 5.7   |                                                           |  |
| 2020                |                  | 129.2                                                                                                   | 7.8   | 108.9                                                     | -5.5  | 129.2                                         | -3.8  |                                                           |  |
| 2021                |                  | 133.3                                                                                                   | 3.1   | 115.1                                                     | 5.7   | 122.6                                         | -5.1  |                                                           |  |
| 2020                | Q1               | 123.9                                                                                                   | 9.9   | 111.6                                                     | 2.7   | 126.3                                         | -0.4  |                                                           |  |
|                     | Q2               | 90.6                                                                                                    | -26.2 | 76.6                                                      | -31.9 | 108.7                                         | -20.9 |                                                           |  |
|                     | Q3               | 150.8                                                                                                   | 22.4  | 123.2                                                     | 3.1   | 136.4                                         | 3.5   |                                                           |  |
|                     | Q4               | 151.6                                                                                                   | 25.6  | 124.1                                                     | 3.4   | 145.4                                         | 3.0   |                                                           |  |
| 2021                | Q1               | 134.8                                                                                                   | 8.8   | 115.5                                                     | 3.5   | 134.5                                         | 6.5   |                                                           |  |
|                     | Q2               | 110.9                                                                                                   | 22.4  | 102.7                                                     | 34.0  | 124.1                                         | 14.1  |                                                           |  |
|                     | Q3               | 133.0                                                                                                   | -11.8 | 111.9                                                     | -9.2  | 99.5                                          | -27.0 |                                                           |  |
|                     | Q4               | 154.3                                                                                                   | 1.8   | 130.2                                                     | 5.0   | 132.2                                         | -9.1  |                                                           |  |
| 2020                | Jan.             | 118.8                                                                                                   | 8.7   | 123.1                                                     | 7.0   | 130.7                                         | 2.4   |                                                           |  |
|                     | Feb.             | 141.8                                                                                                   | 30.6  | 114.2                                                     | 6.2   | 130.9                                         | 5.9   |                                                           |  |
|                     | Mar.             | 111.1                                                                                                   | -7.6  | 97.7                                                      | -5.8  | 117.3                                         | -9.3  |                                                           |  |
|                     | Apr.             | 44.9                                                                                                    | -63.5 | 47.1                                                      | -55.8 | 68.3                                          | -49.2 |                                                           |  |
|                     | May.             | 82.6                                                                                                    | -29.8 | 68.1                                                      | -37.1 | 126.0                                         | -8.6  |                                                           |  |
|                     | Jun.             | 144.3                                                                                                   | 13.1  | 114.6                                                     | -6.4  | 131.9                                         | -5.7  |                                                           |  |
|                     | Jul.             | 137.5                                                                                                   | 10.3  | 129.7                                                     | 3.9   | 139.9                                         | 7.7   |                                                           |  |
|                     | Aug.             | 149.4                                                                                                   | 23.7  | 121.4                                                     | 1.7   | 132.9                                         | 2.7   |                                                           |  |
|                     | Sep.             | 165.4                                                                                                   | 33.2  | 118.7                                                     | 3.6   | 136.3                                         | 0.2   |                                                           |  |
|                     | Oct.             | 145.6                                                                                                   | 27.5  | 115.7                                                     | 2.7   | 136.8                                         | 1.8   |                                                           |  |
|                     | Nov.             | 151.0                                                                                                   | 25.0  | 118.7                                                     | 2.5   | 142.4                                         | 3.9   |                                                           |  |
|                     | Dec.             | 158.4                                                                                                   | 24.5  | 137.7                                                     | 4.7   | 156.9                                         | 3.2   |                                                           |  |
| 2021                | Jan              | 127.7                                                                                                   | 7.5   | 122.1                                                     | -0.8  | 140.4                                         | 7.4   |                                                           |  |
|                     | Feb              | 149.2                                                                                                   | 5.2   | 115.5                                                     | 1.2   | 135.6                                         | 3.6   |                                                           |  |
|                     | Mar              | 127.5                                                                                                   | 14.8  | 108.9                                                     | 11.5  | 127.5                                         | 8.7   |                                                           |  |
|                     | Apr              | 112.4                                                                                                   | 150.6 | 111.9                                                     | 137.7 | 133.9                                         | 96.1  |                                                           |  |
|                     | May              | 103.7                                                                                                   | 25.5  | 105.5                                                     | 55.0  | 130.7                                         | 3.7   |                                                           |  |
|                     | Jun              | 116.6                                                                                                   | -19.2 | 90.6                                                      | -21.0 | 107.6                                         | -18.4 |                                                           |  |
|                     | Jul              | 122.5                                                                                                   | -10.9 | 99.2                                                      | -23.5 | 96.8                                          | -30.8 |                                                           |  |
|                     | Aug              | 122.5                                                                                                   | -18.0 | 112.8                                                     | -7.1  | 102.3                                         | -23.0 |                                                           |  |
|                     | Sep              | 154.1                                                                                                   | -6.9  | 123.9                                                     | 4.4   | 99.3                                          | -27.1 |                                                           |  |
|                     | Oct              | 142.5                                                                                                   | -2.1  | 124.7                                                     | 7.7   | 102.1                                         | -25.4 |                                                           |  |
|                     | Nov              | 165.6                                                                                                   | 9.7   | 122.9                                                     | 3.6   | 136.9                                         | -3.8  |                                                           |  |
|                     | Dec              | 154.8                                                                                                   | -2.3  | 143.0                                                     | 3.8   | 157.7                                         | 0.5   |                                                           |  |
| 2022                | Jan              | 146.2                                                                                                   | 14.5  | 124.5                                                     | 2.0   | 139.9                                         | -0.4  |                                                           |  |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

|                     |                  | Indeks/ Index                             |       | % Perubahan tahun ke tahun/<br>change year-on-year                                       |       | Indeks/ Index                          |       | % Perubahan tahun ke tahun/<br>change year-on-year |  |
|---------------------|------------------|-------------------------------------------|-------|------------------------------------------------------------------------------------------|-------|----------------------------------------|-------|----------------------------------------------------|--|
|                     |                  | Indeks/ Index                             |       | % Perubahan tahun ke tahun/<br>change year-on-year                                       |       | Indeks/ Index                          |       | % Perubahan tahun ke tahun/<br>change year-on-year |  |
| Tahun<br>Year       | Tempoh<br>Period | Pembuatan produk petroleum bertapis       |       | Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat |       | Pembuatan kimia organik asas           |       |                                                    |  |
|                     |                  | Manufacture of refined petroleum products |       | Manufacture of liquefied or compressed inorganic industrial or medical gases             |       | Manufacture of basic organic chemicals |       |                                                    |  |
| Kod/ Codes          |                  | 19201                                     |       | 20111                                                                                    |       | 20112                                  |       |                                                    |  |
| Wajaran/Weight 2015 |                  | 9.26                                      |       | 1.05                                                                                     |       | 2.00                                   |       |                                                    |  |
| 2019                |                  | 113.2                                     | 2.7   | 119.2                                                                                    | 0.3   | 119.7                                  | 3.3   |                                                    |  |
| 2020                |                  | 101.1                                     | -10.8 | 102.6                                                                                    | -13.9 | 115.0                                  | -3.9  |                                                    |  |
| 2021                |                  | 112.8                                     | 11.6  | 121.9                                                                                    | 18.8  | 122.5                                  | 6.5   |                                                    |  |
| 2020                | Q1               | 120.9                                     | 3.7   | 106.8                                                                                    | 5.6   | 122.2                                  | 7.5   |                                                    |  |
|                     | Q2               | 78.4                                      | -29.1 | 75.8                                                                                     | -37.5 | 106.4                                  | -13.7 |                                                    |  |
|                     | Q3               | 97.8                                      | -9.9  | 107.2                                                                                    | -12.2 | 116.9                                  | -6.1  |                                                    |  |
|                     | Q4               | 107.1                                     | -8.6  | 120.6                                                                                    | -8.8  | 114.5                                  | -2.4  |                                                    |  |
| 2021                | Q1               | 113.8                                     | -5.9  | 130.4                                                                                    | 22.1  | 124.1                                  | 1.6   |                                                    |  |
|                     | Q2               | 105.8                                     | 35.0  | 103.2                                                                                    | 36.1  | 118.3                                  | 11.2  |                                                    |  |
|                     | Q3               | 115.5                                     | 18.1  | 111.9                                                                                    | 4.4   | 121.7                                  | 4.1   |                                                    |  |
|                     | Q4               | 116.1                                     | 8.4   | 142.0                                                                                    | 17.8  | 125.9                                  | 9.9   |                                                    |  |
| 2020                | Jan.             | 125.1                                     | 3.6   | 114.0                                                                                    | 12.2  | 118.1                                  | 7.4   |                                                    |  |
|                     | Feb.             | 120.0                                     | 6.5   | 103.0                                                                                    | 6.5   | 123.6                                  | 11.4  |                                                    |  |
|                     | Mar.             | 117.7                                     | 0.9   | 103.2                                                                                    | -1.6  | 124.8                                  | 3.9   |                                                    |  |
|                     | Apr.             | 66.0                                      | -36.7 | 58.0                                                                                     | -51.8 | 101.7                                  | -11.0 |                                                    |  |
|                     | May.             | 69.2                                      | -38.8 | 64.8                                                                                     | -46.5 | 99.1                                   | -23.4 |                                                    |  |
|                     | Jun.             | 99.9                                      | -12.6 | 104.6                                                                                    | -14.5 | 118.3                                  | -6.1  |                                                    |  |
|                     | Jul.             | 98.0                                      | -11.4 | 103.6                                                                                    | -14.9 | 118.4                                  | -7.0  |                                                    |  |
|                     | Aug.             | 96.8                                      | -8.5  | 105.9                                                                                    | -14.2 | 117.1                                  | -5.8  |                                                    |  |
|                     | Sep.             | 98.6                                      | -9.6  | 112.2                                                                                    | -7.5  | 115.3                                  | -5.6  |                                                    |  |
|                     | Oct.             | 104.4                                     | -11.3 | 113.7                                                                                    | -7.3  | 114.4                                  | -9.0  |                                                    |  |
|                     | Nov.             | 104.8                                     | -10.9 | 110.1                                                                                    | -20.3 | 109.1                                  | 0.6   |                                                    |  |
|                     | Dec.             | 112.2                                     | -3.6  | 137.8                                                                                    | 1.4   | 120.1                                  | 1.9   |                                                    |  |
| 2021                | Jan              | 109.8                                     | -12.2 | 122.1                                                                                    | 7.1   | 117.0                                  | -0.9  |                                                    |  |
|                     | Feb              | 116.0                                     | -3.3  | 132.2                                                                                    | 28.4  | 123.0                                  | -0.4  |                                                    |  |
|                     | Mar              | 115.8                                     | -1.7  | 136.9                                                                                    | 32.6  | 132.2                                  | 5.9   |                                                    |  |
|                     | Apr              | 92.9                                      | 40.7  | 89.8                                                                                     | 54.9  | 107.0                                  | 5.2   |                                                    |  |
|                     | May              | 106.9                                     | 54.4  | 87.3                                                                                     | 34.7  | 109.5                                  | 10.5  |                                                    |  |
|                     | Jun              | 117.7                                     | 17.9  | 132.4                                                                                    | 26.6  | 138.3                                  | 16.9  |                                                    |  |
|                     | Jul              | 122.6                                     | 25.1  | 106.2                                                                                    | 2.5   | 121.5                                  | 2.6   |                                                    |  |
|                     | Aug              | 116.2                                     | 20.1  | 117.1                                                                                    | 10.6  | 124.8                                  | 6.6   |                                                    |  |
|                     | Sep              | 107.7                                     | 9.3   | 112.4                                                                                    | 0.2   | 118.8                                  | 3.0   |                                                    |  |
|                     | Oct              | 114.8                                     | 9.9   | 124.4                                                                                    | 9.4   | 126.7                                  | 10.8  |                                                    |  |
|                     | Nov              | 121.0                                     | 15.4  | 135.1                                                                                    | 22.7  | 119.5                                  | 9.5   |                                                    |  |
|                     | Dec              | 112.6                                     | 0.3   | 166.6                                                                                    | 20.8  | 131.3                                  | 9.4   |                                                    |  |
| 2022                | Jan              | 111.7                                     | 1.7   | 141.9                                                                                    | 16.2  | 126.1                                  | 7.8   |                                                    |  |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

|                     |                  | Indeks/ Index                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index              | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                            | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|------------------------------------|-----------------------------------------------------------|----------------------------|-----------------------------------------------------------|------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan sebatian bukan organik   |                                                           | Pembuatan baja             |                                                           | Pembuatan plastik dalam bentuk primer    |                                                           |
| Tahun<br>Year       | Tempoh<br>Period | Manufacture of inorganic compounds |                                                           | Manufacture of fertilizers |                                                           | Manufacture of plastics in primary forms |                                                           |
| Kod/ Codes          |                  | 20113                              |                                                           | 20121                      |                                                           | 20131                                    |                                                           |
| Wajaran/Weight 2015 |                  | 0.29                               |                                                           | 0.38                       |                                                           | 1.11                                     |                                                           |
| 2019                |                  | 122.6                              | 3.6                                                       | 116.0                      | 2.7                                                       | 118.2                                    | 1.2                                                       |
| 2020                |                  | 127.9                              | 4.4                                                       | 114.6                      | -1.2                                                      | 99.7                                     | -15.6                                                     |
| 2021                |                  | 137.2                              | 7.3                                                       | 131.9                      | 15.1                                                      | 110.1                                    | 10.4                                                      |
| 2020                | Q1               | 131.1                              | 6.1                                                       | 114.6                      | 1.5                                                       | 115.7                                    | -1.2                                                      |
|                     | Q2               | 117.1                              | -3.0                                                      | 104.8                      | -11.4                                                     | 89.3                                     | -24.8                                                     |
|                     | Q3               | 130.4                              | 4.5                                                       | 115.7                      | -2.3                                                      | 96.0                                     | -20.3                                                     |
|                     | Q4               | 133.3                              | 9.8                                                       | 123.2                      | 7.6                                                       | 97.9                                     | -15.9                                                     |
| 2021                | Q1               | 134.5                              | 2.6                                                       | 128.9                      | 12.4                                                      | 117.3                                    | 1.4                                                       |
|                     | Q2               | 137.1                              | 17.1                                                      | 130.6                      | 24.7                                                      | 102.3                                    | 14.6                                                      |
|                     | Q3               | 137.9                              | 5.7                                                       | 138.9                      | 20.0                                                      | 110.4                                    | 15.0                                                      |
|                     | Q4               | 139.4                              | 4.6                                                       | 129.3                      | 5.0                                                       | 110.4                                    | 12.7                                                      |
| 2020                | Jan.             | 130.8                              | 8.6                                                       | 112.9                      | 3.1                                                       | 113.4                                    | -2.8                                                      |
|                     | Feb.             | 130.3                              | 7.3                                                       | 116.5                      | 3.3                                                       | 118.7                                    | 1.3                                                       |
|                     | Mar.             | 132.0                              | 2.7                                                       | 114.5                      | -1.6                                                      | 114.9                                    | -2.2                                                      |
|                     | Apr.             | 105.0                              | -12.2                                                     | 104.6                      | -9.7                                                      | 88.9                                     | -23.6                                                     |
|                     | May.             | 118.3                              | -1.8                                                      | 91.8                       | -19.6                                                     | 84.7                                     | -28.6                                                     |
|                     | Jun.             | 127.9                              | 4.8                                                       | 117.8                      | -5.5                                                      | 94.3                                     | -22.1                                                     |
|                     | Jul.             | 126.9                              | 4.0                                                       | 112.2                      | -5.0                                                      | 93.3                                     | -22.8                                                     |
|                     | Aug.             | 129.4                              | 4.3                                                       | 113.7                      | -2.6                                                      | 93.9                                     | -21.7                                                     |
|                     | Sep.             | 134.8                              | 5.1                                                       | 121.3                      | 0.5                                                       | 100.9                                    | -16.4                                                     |
|                     | Oct.             | 136.2                              | 6.5                                                       | 121.4                      | -0.2                                                      | 100.3                                    | -16.3                                                     |
|                     | Nov.             | 129.8                              | 14.1                                                      | 122.0                      | 12.1                                                      | 88.6                                     | -22.3                                                     |
|                     | Dec.             | 133.7                              | 9.3                                                       | 126.2                      | 11.6                                                      | 104.9                                    | -9.1                                                      |
| 2021                | Jan              | 133.4                              | 1.9                                                       | 127.2                      | 12.7                                                      | 107.4                                    | -5.3                                                      |
|                     | Feb              | 132.5                              | 1.7                                                       | 123.7                      | 6.1                                                       | 118.4                                    | -0.3                                                      |
|                     | Mar              | 137.5                              | 4.2                                                       | 135.7                      | 18.5                                                      | 126.0                                    | 9.7                                                       |
|                     | Apr              | 133.0                              | 26.6                                                      | 126.3                      | 20.7                                                      | 104.4                                    | 17.5                                                      |
|                     | May              | 135.7                              | 14.8                                                      | 112.4                      | 22.4                                                      | 92.7                                     | 9.5                                                       |
|                     | Jun              | 142.5                              | 11.4                                                      | 153.1                      | 29.9                                                      | 109.7                                    | 16.4                                                      |
|                     | Jul              | 134.6                              | 6.0                                                       | 135.3                      | 20.6                                                      | 105.8                                    | 13.4                                                      |
|                     | Aug              | 138.5                              | 7.0                                                       | 137.3                      | 20.7                                                      | 112.6                                    | 19.9                                                      |
|                     | Sep              | 140.5                              | 4.2                                                       | 144.1                      | 18.8                                                      | 112.9                                    | 12.0                                                      |
|                     | Oct              | 142.3                              | 4.5                                                       | 142.2                      | 17.2                                                      | 116.4                                    | 16.0                                                      |
|                     | Nov              | 137.9                              | 6.2                                                       | 122.7                      | 0.6                                                       | 101.0                                    | 13.9                                                      |
|                     | Dec              | 138.1                              | 3.2                                                       | 123.1                      | -2.5                                                      | 113.9                                    | 8.6                                                       |
| 2022                | Jan              | 141.9                              | 6.4                                                       | 107.9                      | -15.2                                                     | 112.8                                    | 5.1                                                       |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Pembuatan racun perosak dan<br>produk agrokimia lain                 |                                                           | Pembuatan cat, varnis dan<br>penyadur dan mastik                                     |                                                           | Pembuatan dakwat cetak             |                                                           |
|---------------------|------------------|----------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------|-----------------------------------------------------------|
|                     |                  | Indeks/ Index                                                        | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                        | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|                     |                  | <i>Manufacture of pesticides and<br/>other agrochemical products</i> |                                                           | <i>Manufacture of paints, varnishes<br/>and similar coatings ink and<br/>mastics</i> |                                                           | <i>Manufacture of printing ink</i> |                                                           |
| Kod/ Codes          |                  | 20210                                                                |                                                           | 20221                                                                                |                                                           | 20222                              |                                                           |
| Wajaran/Weight 2015 |                  | 0.14                                                                 |                                                           | 0.33                                                                                 |                                                           | 0.10                               |                                                           |
| 2019                |                  | 109.6                                                                | -0.5                                                      | 115.1                                                                                | 1.6                                                       | 111.5                              | -0.1                                                      |
| 2020                |                  | 108.0                                                                | -1.5                                                      | 106.5                                                                                | -7.5                                                      | 110.6                              | -0.8                                                      |
| 2021                |                  | 83.7                                                                 | -22.5                                                     | 140.9                                                                                | 32.3                                                      | 83.6                               | -24.4                                                     |
| 2020                | Q1               | 113.7                                                                | -1.4                                                      | 116.1                                                                                | -4.7                                                      | 104.0                              | -12.5                                                     |
|                     | Q2               | 108.8                                                                | -0.1                                                      | 87.4                                                                                 | -23.4                                                     | 119.3                              | 3.6                                                       |
|                     | Q3               | 101.0                                                                | -9.1                                                      | 106.0                                                                                | -2.1                                                      | 126.8                              | 14.6                                                      |
|                     | Q4               | 108.5                                                                | 5.2                                                       | 116.5                                                                                | 0.2                                                       | 92.2                               | -8.9                                                      |
| 2021                | Q1               | 85.0                                                                 | -25.2                                                     | 128.0                                                                                | 10.2                                                      | 72.4                               | -30.4                                                     |
|                     | Q2               | 92.1                                                                 | -15.4                                                     | 133.8                                                                                | 53.1                                                      | 82.6                               | -30.8                                                     |
|                     | Q3               | 76.2                                                                 | -24.5                                                     | 153.2                                                                                | 44.5                                                      | 96.4                               | -24.0                                                     |
|                     | Q4               | 81.4                                                                 | -24.9                                                     | 148.5                                                                                | 27.5                                                      | 83.0                               | -9.9                                                      |
| 2020                | Jan.             | 117.2                                                                | -0.7                                                      | 117.7                                                                                | -8.9                                                      | 102.7                              | -19.4                                                     |
|                     | Feb.             | 112.7                                                                | 0.4                                                       | 116.9                                                                                | 3.4                                                       | 106.7                              | -6.7                                                      |
|                     | Mar.             | 111.0                                                                | -3.9                                                      | 113.7                                                                                | -7.8                                                      | 102.5                              | -10.7                                                     |
|                     | Apr.             | 100.3                                                                | -7.3                                                      | 71.2                                                                                 | -41.2                                                     | 94.7                               | -17.7                                                     |
|                     | May.             | 108.9                                                                | 1.9                                                       | 85.9                                                                                 | -24.1                                                     | 128.1                              | 11.6                                                      |
|                     | Jun.             | 117.3                                                                | 5.0                                                       | 105.2                                                                                | -2.6                                                      | 135.2                              | 16.8                                                      |
|                     | Jul.             | 106.0                                                                | -6.0                                                      | 107.3                                                                                | 2.6                                                       | 135.7                              | 16.9                                                      |
|                     | Aug.             | 96.0                                                                 | -15.9                                                     | 103.6                                                                                | -5.0                                                      | 121.4                              | 11.1                                                      |
|                     | Sep.             | 100.9                                                                | -5.2                                                      | 107.2                                                                                | -3.6                                                      | 123.3                              | 15.6                                                      |
|                     | Oct.             | 108.5                                                                | 2.5                                                       | 104.0                                                                                | -10.5                                                     | 117.2                              | 7.5                                                       |
|                     | Nov.             | 106.7                                                                | 6.7                                                       | 125.4                                                                                | 6.1                                                       | 79.1                               | -18.8                                                     |
|                     | Dec.             | 110.3                                                                | 6.6                                                       | 120.0                                                                                | 5.0                                                       | 80.4                               | -17.4                                                     |
| 2021                | Jan              | 84.8                                                                 | -27.7                                                     | 131.3                                                                                | 11.5                                                      | 73.9                               | -28.0                                                     |
|                     | Feb              | 83.1                                                                 | -26.3                                                     | 124.2                                                                                | 6.2                                                       | 72.4                               | -32.2                                                     |
|                     | Mar              | 87.2                                                                 | -21.5                                                     | 128.4                                                                                | 12.9                                                      | 70.8                               | -31.0                                                     |
|                     | Apr              | 108.2                                                                | 7.9                                                       | 129.5                                                                                | 81.8                                                      | 70.0                               | -26.0                                                     |
|                     | May              | 80.6                                                                 | -26.0                                                     | 129.1                                                                                | 50.3                                                      | 82.4                               | -35.6                                                     |
|                     | Jun              | 87.5                                                                 | -25.4                                                     | 143.0                                                                                | 35.9                                                      | 95.4                               | -29.5                                                     |
|                     | Jul              | 74.7                                                                 | -29.5                                                     | 126.6                                                                                | 17.9                                                      | 90.6                               | -33.2                                                     |
|                     | Aug              | 79.5                                                                 | -17.2                                                     | 159.2                                                                                | 53.7                                                      | 102.4                              | -15.7                                                     |
|                     | Sep              | 74.4                                                                 | -26.3                                                     | 173.8                                                                                | 62.2                                                      | 96.3                               | -22.0                                                     |
|                     | Oct              | 77.5                                                                 | -28.5                                                     | 155.9                                                                                | 49.9                                                      | 77.5                               | -33.8                                                     |
|                     | Nov              | 80.6                                                                 | -24.5                                                     | 142.4                                                                                | 13.6                                                      | 78.3                               | -0.9                                                      |
|                     | Dec              | 86.2                                                                 | -21.8                                                     | 147.1                                                                                | 22.6                                                      | 93.2                               | 16.0                                                      |
| 2022                | Jan              | 79.2                                                                 | -6.6                                                      | 147.5                                                                                | 12.3                                                      | 88.1                               | 19.2                                                      |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                                                 |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       | Indeks/ Index                                                                                                 |         | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  |
|---------------------|------------------|-------------------------------------------------------------------------------|-------|-----------------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------|---------|-----------------------------------------------------------|--|
|                     |                  | Pembuatan sabun dan bahan<br>pencuci, penyediaan membersih<br>dan mengilat    |       | Pembuatan pewangi dan<br>penyediaan dandanan diri         |       | Pembuatan plat fotografi, filem,<br>sensitized paper dan other<br>sensitized unexposed materials              |         |                                                           |  |
|                     |                  | Manufacture of soap and<br>detergents, cleaning and polishing<br>preparations |       | Manufacture of perfumes and<br>toilet preparations        |       | Manufacture of photographic<br>plates, films, sensitized paper and<br>other sensitized unexposed<br>materials |         |                                                           |  |
| Kod/ Codes          |                  | 20231                                                                         |       | 20232                                                     |       | 20291                                                                                                         |         |                                                           |  |
| Wajaran/Weight 2015 |                  | 0.23                                                                          |       | 0.15                                                      |       | 0.01                                                                                                          |         |                                                           |  |
| 2019                |                  | 104.5                                                                         | -1.2  | 106.1                                                     | -1.8  | 144.1                                                                                                         | 25.1    |                                                           |  |
| 2020                |                  | 94.1                                                                          | -10.0 | 91.4                                                      | -13.8 | 137.3                                                                                                         | -4.7    |                                                           |  |
| 2021                |                  | 93.7                                                                          | -0.5  | 98.2                                                      | 7.4   | 209.4                                                                                                         | 52.5    |                                                           |  |
| 2020                | Q1               | 98.8                                                                          | -16.3 | 88.1                                                      | -17.9 | 141.8                                                                                                         | 3.4     |                                                           |  |
|                     | Q2               | 85.5                                                                          | -15.4 | 87.7                                                      | -22.3 | 95.3                                                                                                          | -35.7   |                                                           |  |
|                     | Q3               | 101.2                                                                         | -2.5  | 104.0                                                     | -10.3 | 144.3                                                                                                         | -1.5    |                                                           |  |
|                     | Q4               | 90.9                                                                          | -4.6  | 85.9                                                      | -2.8  | 167.8                                                                                                         | 16.1    |                                                           |  |
| 2021                | Q1               | 89.0                                                                          | -9.9  | 84.8                                                      | -3.7  | 187.9                                                                                                         | 32.5    |                                                           |  |
|                     | Q2               | 86.3                                                                          | 0.9   | 100.7                                                     | 14.8  | 208.3                                                                                                         | 118.5   |                                                           |  |
|                     | Q3               | 96.0                                                                          | -5.1  | 103.7                                                     | -0.3  | 228.2                                                                                                         | 58.2    |                                                           |  |
|                     | Q4               | 103.4                                                                         | 13.7  | 103.6                                                     | 20.6  | 213.1                                                                                                         | 27.0    |                                                           |  |
| 2020                | Jan.             | 98.6                                                                          | -25.5 | 83.2                                                      | -18.9 | 140.5                                                                                                         | 7.9     |                                                           |  |
|                     | Feb.             | 99.8                                                                          | -8.5  | 89.3                                                      | -17.7 | 142.9                                                                                                         | 4.4     |                                                           |  |
|                     | Mar.             | 98.0                                                                          | -13.0 | 91.8                                                      | -17.0 | 142.0                                                                                                         | -1.7    |                                                           |  |
|                     | Apr.             | 67.5                                                                          | -32.1 | 68.7                                                      | -39.7 | 0.0                                                                                                           | -100.0  |                                                           |  |
|                     | May.             | 87.0                                                                          | -13.8 | 93.9                                                      | -15.4 | 141.8                                                                                                         | -4.6    |                                                           |  |
|                     | Jun.             | 102.0                                                                         | -0.7  | 100.4                                                     | -11.6 | 144.1                                                                                                         | -5.2    |                                                           |  |
|                     | Jul.             | 102.8                                                                         | -0.1  | 104.4                                                     | -9.0  | 131.9                                                                                                         | 0.3     |                                                           |  |
|                     | Aug.             | 98.5                                                                          | -4.3  | 103.5                                                     | -10.5 | 144.6                                                                                                         | -4.7    |                                                           |  |
|                     | Sep.             | 102.5                                                                         | -3.1  | 104.0                                                     | -11.5 | 156.3                                                                                                         | 0.2     |                                                           |  |
|                     | Oct.             | 96.2                                                                          | -8.8  | 102.3                                                     | -10.2 | 164.0                                                                                                         | 7.9     |                                                           |  |
|                     | Nov.             | 89.0                                                                          | -5.2  | 75.2                                                      | 1.8   | 163.2                                                                                                         | 12.5    |                                                           |  |
|                     | Dec.             | 87.6                                                                          | 1.1   | 80.2                                                      | 3.7   | 176.4                                                                                                         | 28.9    |                                                           |  |
| 2021                | Jan              | 82.6                                                                          | -16.3 | 75.9                                                      | -8.8  | 182.1                                                                                                         | 29.6    |                                                           |  |
|                     | Feb              | 89.9                                                                          | -9.9  | 83.3                                                      | -6.6  | 187.7                                                                                                         | 31.3    |                                                           |  |
|                     | Mar              | 94.5                                                                          | -3.6  | 95.3                                                      | 3.8   | 194.0                                                                                                         | 36.7    |                                                           |  |
|                     | Apr              | 82.7                                                                          | 22.6  | 93.8                                                      | 36.4  | 202.5                                                                                                         | #DIV/0! |                                                           |  |
|                     | May              | 81.4                                                                          | -6.5  | 99.7                                                      | 6.1   | 207.8                                                                                                         | 46.5    |                                                           |  |
|                     | Jun              | 94.7                                                                          | -7.1  | 108.6                                                     | 8.2   | 214.5                                                                                                         | 48.8    |                                                           |  |
|                     | Jul              | 90.1                                                                          | -12.3 | 100.4                                                     | -3.8  | 221.3                                                                                                         | 67.7    |                                                           |  |
|                     | Aug              | 94.3                                                                          | -4.3  | 105.2                                                     | 1.7   | 228.1                                                                                                         | 57.8    |                                                           |  |
|                     | Sep              | 103.7                                                                         | 1.3   | 105.4                                                     | 1.4   | 235.3                                                                                                         | 50.5    |                                                           |  |
|                     | Oct              | 109.6                                                                         | 13.9  | 116.9                                                     | 14.2  | 218.6                                                                                                         | 33.3    |                                                           |  |
|                     | Nov              | 97.2                                                                          | 9.2   | 89.9                                                      | 19.5  | 193.1                                                                                                         | 18.3    |                                                           |  |
|                     | Dec              | 103.4                                                                         | 18.1  | 104.0                                                     | 29.7  | 227.7                                                                                                         | 29.1    |                                                           |  |
| 2022                | Jan              | 96.5                                                                          | 16.9  | 89.7                                                      | 18.2  | 231.1                                                                                                         | 26.9    |                                                           |  |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                    |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year                                                                             |      | Indeks/ Index                               |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  |
|---------------------|------------------|--------------------------------------------------|-------|---------------------------------------------------------------------------------------------------------------------------------------|------|---------------------------------------------|-------|-----------------------------------------------------------|--|
|                     |                  | Pembuatan produk kimia lain<br>t.t.t.l.          |       | Pembuatan bahan aktif ubat-<br>ubatan untuk digunakan oleh<br>bidang farmakologi dalam<br>pembuatan ubat-ubatan                       |      | Pembuatan tayar getah untuk<br>kendaraan    |       |                                                           |  |
|                     |                  | Manufacture of other chemical<br>products n.e.c. |       | Manufacture of medicinal active<br>substances to be used for their<br>pharmacological properties in the<br>manufacture of medicaments |      | Manufacture of rubber tyres for<br>vehicles |       |                                                           |  |
| Kod/ Codes          |                  | 20299                                            |       | 21001                                                                                                                                 |      | 22111                                       |       |                                                           |  |
| Wajaran/Weight 2015 |                  | 0.43                                             |       | 0.30                                                                                                                                  |      | 0.17                                        |       |                                                           |  |
| 2019                |                  | 113.4                                            | -1.3  | 119.7                                                                                                                                 | 3.4  | 115.7                                       | 2.9   |                                                           |  |
| 2020                |                  | 119.0                                            | 5.0   | 138.8                                                                                                                                 | 15.9 | 105.0                                       | -9.3  |                                                           |  |
| 2021                |                  | 123.1                                            | 3.5   | 164.8                                                                                                                                 | 18.8 | 122.9                                       | 17.1  |                                                           |  |
| 2020                | Q1               | 113.4                                            | 0.4   | 112.2                                                                                                                                 | 2.2  | 114.2                                       | 4.9   |                                                           |  |
|                     | Q2               | 109.6                                            | -1.2  | 140.4                                                                                                                                 | 15.2 | 90.7                                        | -19.0 |                                                           |  |
|                     | Q3               | 126.0                                            | 8.8   | 159.9                                                                                                                                 | 26.8 | 87.1                                        | -22.8 |                                                           |  |
|                     | Q4               | 127.1                                            | 11.6  | 142.5                                                                                                                                 | 17.7 | 128.0                                       | -1.0  |                                                           |  |
| 2021                | Q1               | 121.2                                            | 7.0   | 142.2                                                                                                                                 | 26.8 | 122.6                                       | 7.3   |                                                           |  |
|                     | Q2               | 123.8                                            | 13.0  | 159.8                                                                                                                                 | 13.8 | 135.5                                       | 49.4  |                                                           |  |
|                     | Q3               | 124.4                                            | -1.3  | 183.2                                                                                                                                 | 14.5 | 106.2                                       | 21.9  |                                                           |  |
|                     | Q4               | 123.1                                            | -3.1  | 174.1                                                                                                                                 | 22.2 | 127.3                                       | -0.5  |                                                           |  |
| 2020                | Jan.             | 114.4                                            | 1.2   | 98.4                                                                                                                                  | 1.4  | 109.9                                       | 5.1   |                                                           |  |
|                     | Feb.             | 114.1                                            | 5.2   | 116.9                                                                                                                                 | 2.9  | 117.2                                       | 11.7  |                                                           |  |
|                     | Mar.             | 111.5                                            | -4.7  | 121.3                                                                                                                                 | 2.3  | 115.5                                       | -1.3  |                                                           |  |
|                     | Apr.             | 91.8                                             | -18.2 | 128.8                                                                                                                                 | 3.6  | 105.9                                       | -4.4  |                                                           |  |
|                     | May.             | 110.4                                            | 1.6   | 139.5                                                                                                                                 | 2.8  | 75.4                                        | -34.5 |                                                           |  |
|                     | Jun.             | 126.5                                            | 13.0  | 152.8                                                                                                                                 | 44.9 | 90.8                                        | -17.4 |                                                           |  |
|                     | Jul.             | 127.0                                            | 11.6  | 157.0                                                                                                                                 | 25.0 | 81.1                                        | -23.9 |                                                           |  |
|                     | Aug.             | 123.2                                            | 6.4   | 156.0                                                                                                                                 | 27.3 | 84.8                                        | -25.3 |                                                           |  |
|                     | Sep.             | 127.9                                            | 8.4   | 166.7                                                                                                                                 | 28.1 | 95.3                                        | -19.4 |                                                           |  |
|                     | Oct.             | 122.9                                            | 3.7   | 154.0                                                                                                                                 | 20.0 | 106.2                                       | -8.1  |                                                           |  |
|                     | Nov.             | 130.3                                            | 16.6  | 135.5                                                                                                                                 | 14.2 | 137.2                                       | 1.5   |                                                           |  |
|                     | Dec.             | 128.2                                            | 14.9  | 138.0                                                                                                                                 | 18.7 | 140.6                                       | 2.5   |                                                           |  |
| 2021                | Jan              | 124.9                                            | 9.2   | 124.6                                                                                                                                 | 26.6 | 112.0                                       | 1.9   |                                                           |  |
|                     | Feb              | 122.2                                            | 7.1   | 147.5                                                                                                                                 | 26.2 | 117.8                                       | 0.5   |                                                           |  |
|                     | Mar              | 116.6                                            | 4.6   | 154.6                                                                                                                                 | 27.5 | 138.0                                       | 19.5  |                                                           |  |
|                     | Apr              | 121.0                                            | 31.9  | 154.9                                                                                                                                 | 20.2 | 145.6                                       | 37.5  |                                                           |  |
|                     | May              | 120.2                                            | 8.8   | 153.5                                                                                                                                 | 10.0 | 116.2                                       | 54.0  |                                                           |  |
|                     | Jun              | 130.3                                            | 3.0   | 170.9                                                                                                                                 | 11.9 | 144.8                                       | 59.4  |                                                           |  |
|                     | Jul              | 122.6                                            | -3.4  | 171.4                                                                                                                                 | 9.2  | 123.8                                       | 52.8  |                                                           |  |
|                     | Aug              | 124.2                                            | 0.9   | 180.7                                                                                                                                 | 15.8 | 90.2                                        | 6.3   |                                                           |  |
|                     | Sep              | 126.3                                            | -1.3  | 197.4                                                                                                                                 | 18.4 | 104.5                                       | 9.6   |                                                           |  |
|                     | Oct              | 120.2                                            | -2.2  | 187.1                                                                                                                                 | 21.4 | 129.1                                       | 21.6  |                                                           |  |
|                     | Nov              | 125.9                                            | -3.4  | 162.4                                                                                                                                 | 19.9 | 132.8                                       | -3.2  |                                                           |  |
|                     | Dec              | 123.3                                            | -3.8  | 172.9                                                                                                                                 | 25.3 | 120.1                                       | -14.6 |                                                           |  |
| 2022                | Jan              | 124.8                                            | -0.1  | 151.6                                                                                                                                 | 21.6 | 125.0                                       | 11.6  |                                                           |  |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                                                         | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------|-----------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan bunga tayar yang<br>boleh ditukar ganti dan tayar<br>celup                  |                                                           | Pembuatan sarung tangan getah       |                                                           | Pengilangan semula getah dan<br>prosesan susu getah |                                                           |
|                     |                  | <i>Manufacture of interchangeable<br/>tyre treads and retreading rubber<br/>tyres</i> |                                                           | <i>Manufacture of rubber gloves</i> |                                                           | <i>Rubber remilling and latex<br/>processing</i>    |                                                           |
| Kod/ Codes          |                  | 22112                                                                                 |                                                           | 22192                               |                                                           | 22193                                               |                                                           |
| Wajaran/Weight 2015 |                  | 0.04                                                                                  |                                                           | 1.16                                |                                                           | 0.24                                                |                                                           |
| 2019                |                  | 96.7                                                                                  | -2.1                                                      | 124.5                               | 6.8                                                       | 122.4                                               | 6.0                                                       |
| 2020                |                  | 130.3                                                                                 | 34.8                                                      | 232.4                               | 86.7                                                      | 120.0                                               | -2.0                                                      |
| 2021                |                  | 112.1                                                                                 | -14.0                                                     | 306.9                               | 32.1                                                      | 131.1                                               | 9.3                                                       |
| 2020                | Q1               | 91.1                                                                                  | -9.0                                                      | 154.9                               | 34.5                                                      | 119.9                                               | 2.0                                                       |
|                     | Q2               | 128.0                                                                                 | 30.7                                                      | 228.4                               | 84.6                                                      | 101.4                                               | -16.4                                                     |
|                     | Q3               | 164.3                                                                                 | 61.4                                                      | 267.5                               | 105.1                                                     | 126.2                                               | -3.6                                                      |
|                     | Q4               | 137.7                                                                                 | 58.6                                                      | 278.8                               | 116.5                                                     | 132.3                                               | 10.4                                                      |
|                     |                  |                                                                                       |                                                           |                                     |                                                           |                                                     |                                                           |
| 2021                | Q1               | 106.1                                                                                 | 16.5                                                      | 330.5                               | 113.4                                                     | 130.3                                               | 8.6                                                       |
|                     | Q2               | 102.5                                                                                 | -20.0                                                     | 365.6                               | 60.1                                                      | 121.7                                               | 20.1                                                      |
|                     | Q3               | 111.5                                                                                 | -32.1                                                     | 292.8                               | 9.5                                                       | 135.1                                               | 7.1                                                       |
|                     | Q4               | 128.2                                                                                 | -6.9                                                      | 238.9                               | -14.3                                                     | 137.2                                               | 3.7                                                       |
| 2020                | Jan.             | 92.5                                                                                  | -7.9                                                      | 135.5                               | 19.5                                                      | 116.5                                               | -0.8                                                      |
|                     | Feb.             | 92.4                                                                                  | -9.4                                                      | 132.0                               | 21.1                                                      | 120.6                                               | 5.2                                                       |
|                     | Mar.             | 88.3                                                                                  | -9.5                                                      | 197.2                               | 60.3                                                      | 122.7                                               | 1.6                                                       |
|                     | Apr.             | 90.8                                                                                  | -6.5                                                      | 215.0                               | 74.9                                                      | 84.6                                                | -29.1                                                     |
|                     | May.             | 126.2                                                                                 | 32.3                                                      | 216.0                               | 67.5                                                      | 104.6                                               | -11.6                                                     |
|                     | Jun.             | 167.2                                                                                 | 64.9                                                      | 254.2                               | 113.2                                                     | 114.8                                               | -8.8                                                      |
|                     | Jul.             | 172.2                                                                                 | 60.9                                                      | 268.9                               | 102.5                                                     | 119.2                                               | -8.1                                                      |
|                     | Aug.             | 158.0                                                                                 | 58.2                                                      | 261.5                               | 94.7                                                      | 126.1                                               | -3.2                                                      |
|                     | Sep.             | 162.7                                                                                 | 65.1                                                      | 272.0                               | 119.0                                                     | 133.3                                               | 0.5                                                       |
|                     | Oct.             | 161.9                                                                                 | 69.1                                                      | 286.5                               | 124.7                                                     | 141.7                                               | 2.5                                                       |
|                     | Nov.             | 122.1                                                                                 | 59.9                                                      | 256.6                               | 119.8                                                     | 124.0                                               | 13.4                                                      |
|                     | Dec.             | 129.3                                                                                 | 46.0                                                      | 293.3                               | 106.5                                                     | 131.2                                               | 17.1                                                      |
| 2021                | Jan              | 105.1                                                                                 | 13.6                                                      | 319.5                               | 135.8                                                     | 128.6                                               | 10.4                                                      |
|                     | Feb              | 100.9                                                                                 | 9.2                                                       | 288.3                               | 118.5                                                     | 120.5                                               | -0.1                                                      |
|                     | Mar              | 112.4                                                                                 | 27.3                                                      | 383.7                               | 94.6                                                      | 141.8                                               | 15.6                                                      |
|                     | Apr              | 110.6                                                                                 | 21.8                                                      | 369.1                               | 71.7                                                      | 125.1                                               | 47.9                                                      |
|                     | May              | 108.1                                                                                 | -14.3                                                     | 351.4                               | 62.7                                                      | 117.6                                               | 12.4                                                      |
|                     | Jun              | 88.8                                                                                  | -46.9                                                     | 376.3                               | 48.0                                                      | 122.4                                               | 6.6                                                       |
|                     | Jul              | 100.5                                                                                 | -41.7                                                     | 323.6                               | 20.3                                                      | 118.7                                               | -0.4                                                      |
|                     | Aug              | 115.7                                                                                 | -26.8                                                     | 294.8                               | 12.7                                                      | 139.1                                               | 10.3                                                      |
|                     | Sep              | 118.4                                                                                 | -27.2                                                     | 259.9                               | -4.4                                                      | 147.6                                               | 10.7                                                      |
|                     | Oct              | 138.2                                                                                 | -14.7                                                     | 248.6                               | -13.2                                                     | 138.0                                               | -2.6                                                      |
|                     | Nov              | 123.8                                                                                 | 1.5                                                       | 222.2                               | -13.4                                                     | 134.3                                               | 8.3                                                       |
|                     | Dec              | 122.6                                                                                 | -5.2                                                      | 245.8                               | -16.2                                                     | 139.3                                               | 6.1                                                       |
| 2022                | Jan              | 102.0                                                                                 | -3.0                                                      | 232.9                               | -27.1                                                     | 115.4                                               | -10.2                                                     |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan produk getah lain<br>yang t.t.t.l.           |                                                           | Pembuatan produk plastik separa<br>siap                          |                                                           | Pembuatan produk plastik siap                       |                                                           |
|---------------|------------------|--------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|
|               |                  | Indeks/ Index                                          | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                    | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|               |                  | <i>Manufacture of other rubber<br/>products n.e.c.</i> |                                                           | <i>Manufacture of semi-<br/>manufactures of plastic products</i> |                                                           | <i>Manufacture of finished plastic<br/>products</i> |                                                           |
|               |                  | <b>Kod/ Codes</b>                                      | <b>22199</b>                                              | <b>22201</b>                                                     |                                                           | <b>22202</b>                                        |                                                           |
|               |                  | <b>Wajaran/Weight 2015</b>                             | <b>0.37</b>                                               | <b>0.36</b>                                                      |                                                           | <b>0.17</b>                                         |                                                           |
| 2019          |                  | 120.6                                                  | 5.6                                                       | 112.6                                                            | 1.7                                                       | 117.5                                               | 9.7                                                       |
| 2020          |                  | 139.3                                                  | 15.5                                                      | 116.6                                                            | 3.5                                                       | 105.9                                               | -9.8                                                      |
| 2021          |                  | 130.6                                                  | -6.2                                                      | 153.9                                                            | 32.0                                                      | 103.8                                               | -2.0                                                      |
| 2020          | Q1               | 126.6                                                  | 6.9                                                       | 106.7                                                            | 5.0                                                       | 106.9                                               | 2.9                                                       |
|               | Q2               | 139.3                                                  | 15.2                                                      | 103.0                                                            | -5.8                                                      | 79.0                                                | -28.8                                                     |
|               | Q3               | 154.8                                                  | 27.8                                                      | 119.5                                                            | 2.7                                                       | 121.8                                               | -5.0                                                      |
|               | Q4               | 136.3                                                  | 11.9                                                      | 137.1                                                            | 11.3                                                      | 116.1                                               | -8.6                                                      |
| 2021          | Q1               | 131.8                                                  | 4.1                                                       | 157.9                                                            | 47.9                                                      | 97.7                                                | -8.6                                                      |
|               | Q2               | 130.4                                                  | -6.4                                                      | 146.9                                                            | 42.6                                                      | 94.9                                                | 20.2                                                      |
|               | Q3               | 129.6                                                  | -16.3                                                     | 152.8                                                            | 27.8                                                      | 101.8                                               | -16.4                                                     |
|               | Q4               | 130.7                                                  | -4.1                                                      | 158.0                                                            | 15.2                                                      | 120.7                                               | 4.0                                                       |
| 2020          | Jan.             | 125.1                                                  | 5.7                                                       | 111.2                                                            | 4.0                                                       | 115.8                                               | 6.1                                                       |
|               | Feb.             | 126.5                                                  | 7.8                                                       | 113.4                                                            | 7.9                                                       | 114.5                                               | 3.5                                                       |
|               | Mar.             | 128.3                                                  | 7.2                                                       | 95.7                                                             | 3.0                                                       | 90.3                                                | -1.7                                                      |
|               | Apr.             | 119.4                                                  | -0.9                                                      | 85.5                                                             | -11.6                                                     | 48.2                                                | -50.1                                                     |
|               | May.             | 136.4                                                  | 10.3                                                      | 99.7                                                             | -13.3                                                     | 65.7                                                | -42.4                                                     |
|               | Jun.             | 162.0                                                  | 36.7                                                      | 123.9                                                            | 6.6                                                       | 123.1                                               | 0.7                                                       |
|               | Jul.             | 165.1                                                  | 37.8                                                      | 121.3                                                            | 2.0                                                       | 125.1                                               | -2.6                                                      |
|               | Aug.             | 152.8                                                  | 26.2                                                      | 118.9                                                            | 3.5                                                       | 119.6                                               | -6.6                                                      |
|               | Sep.             | 146.6                                                  | 19.5                                                      | 118.5                                                            | 2.6                                                       | 120.6                                               | -5.7                                                      |
|               | Oct.             | 147.4                                                  | 21.4                                                      | 113.3                                                            | 1.9                                                       | 120.4                                               | -8.0                                                      |
|               | Nov.             | 133.1                                                  | 12.3                                                      | 139.9                                                            | 6.0                                                       | 112.7                                               | -8.5                                                      |
|               | Dec.             | 128.4                                                  | 2.3                                                       | 157.9                                                            | 25.3                                                      | 115.1                                               | -9.3                                                      |
| 2021          | Jan              | 126.1                                                  | 0.8                                                       | 164.2                                                            | 47.7                                                      | 87.3                                                | -24.7                                                     |
|               | Feb              | 132.4                                                  | 4.7                                                       | 164.5                                                            | 45.0                                                      | 112.5                                               | -1.8                                                      |
|               | Mar              | 136.9                                                  | 6.7                                                       | 144.9                                                            | 51.5                                                      | 93.4                                                | 3.4                                                       |
|               | Apr              | 142.3                                                  | 19.1                                                      | 136.9                                                            | 60.1                                                      | 86.1                                                | 78.7                                                      |
|               | May              | 126.5                                                  | -7.2                                                      | 136.9                                                            | 37.3                                                      | 88.1                                                | 34.0                                                      |
|               | Jun              | 122.3                                                  | -24.5                                                     | 167.0                                                            | 34.8                                                      | 110.6                                               | -10.2                                                     |
|               | Jul              | 131.8                                                  | -20.2                                                     | 166.6                                                            | 37.4                                                      | 101.2                                               | -19.2                                                     |
|               | Aug              | 129.4                                                  | -15.3                                                     | 150.3                                                            | 26.4                                                      | 107.6                                               | -10.0                                                     |
|               | Sep              | 127.7                                                  | -12.9                                                     | 141.6                                                            | 19.4                                                      | 96.5                                                | -20.0                                                     |
|               | Oct              | 140.8                                                  | -4.5                                                      | 129.7                                                            | 14.5                                                      | 117.4                                               | -2.5                                                      |
|               | Nov              | 126.8                                                  | -4.7                                                      | 169.5                                                            | 21.1                                                      | 121.9                                               | 8.2                                                       |
|               | Dec              | 124.4                                                  | -3.1                                                      | 174.6                                                            | 10.6                                                      | 122.6                                               | 6.5                                                       |
| 2022          | Jan              | 136.1                                                  | 7.9                                                       | 177.3                                                            | 7.9                                                       | 106.3                                               | 21.8                                                      |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan artikel plastik untuk<br>pembungkusan barangan            |                                                           | Pembuatan barangan plastik<br>jurubina            |                                                           | Pembuatan pinggan mangkuk,<br>peralatan dapur dan barangan<br>tandas daripada plastik |                                                           |
|---------------|------------------|---------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------|-----------------------------------------------------------|
|               |                  | Indeks/ Index                                                       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                     | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                         | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|               |                  | <i>Manufacture of plastic articles for<br/>the packing of goods</i> |                                                           | <i>Manufacture of builders' plastics<br/>ware</i> |                                                           | <i>Manufacture of plastic tableware,<br/>kitchenware and toilet articles</i>          |                                                           |
|               |                  | <b>Kod/ Codes</b>                                                   | <b>22203</b>                                              | <b>22204</b>                                      | <b>22205</b>                                              |                                                                                       |                                                           |
|               |                  | <b>Wajaran/Weight 2015</b>                                          | <b>0.62</b>                                               | <b>0.07</b>                                       | <b>0.17</b>                                               |                                                                                       |                                                           |
| 2019          |                  | 116.1                                                               | 5.5                                                       | 120.5                                             | 6.4                                                       | 102.5                                                                                 | -4.9                                                      |
| 2020          |                  | 123.2                                                               | 6.2                                                       | 106.1                                             | -12.0                                                     | 95.9                                                                                  | -6.4                                                      |
| 2021          |                  | 138.5                                                               | 12.4                                                      | 129.6                                             | 22.2                                                      | 88.2                                                                                  | -8.0                                                      |
| 2020          | Q1               | 109.2                                                               | -2.8                                                      | 125.7                                             | 11.8                                                      | 94.8                                                                                  | -7.8                                                      |
|               | Q2               | 113.7                                                               | -3.5                                                      | 93.1                                              | -21.8                                                     | 93.9                                                                                  | -9.1                                                      |
|               | Q3               | 143.8                                                               | 18.1                                                      | 96.5                                              | -20.6                                                     | 102.6                                                                                 | -1.9                                                      |
|               | Q4               | 126.1                                                               | 12.4                                                      | 108.9                                             | -15.6                                                     | 92.4                                                                                  | -6.8                                                      |
| 2021          | Q1               | 125.6                                                               | 15.0                                                      | 133.3                                             | 6.0                                                       | 78.9                                                                                  | -16.8                                                     |
|               | Q2               | 127.8                                                               | 12.4                                                      | 129.4                                             | 39.0                                                      | 91.6                                                                                  | -2.5                                                      |
|               | Q3               | 156.6                                                               | 8.8                                                       | 130.0                                             | 34.7                                                      | 94.3                                                                                  | -8.1                                                      |
|               | Q4               | 144.0                                                               | 14.2                                                      | 125.8                                             | 15.5                                                      | 88.3                                                                                  | -4.4                                                      |
| 2020          | Jan.             | 109.5                                                               | -4.6                                                      | 126.7                                             | 12.7                                                      | 94.3                                                                                  | -7.5                                                      |
|               | Feb.             | 110.0                                                               | 3.0                                                       | 133.6                                             | 18.8                                                      | 95.7                                                                                  | -3.5                                                      |
|               | Mar.             | 108.0                                                               | -6.3                                                      | 117.0                                             | 3.8                                                       | 94.3                                                                                  | -12.1                                                     |
|               | Apr.             | 96.0                                                                | -16.6                                                     | 118.8                                             | 1.4                                                       | 92.3                                                                                  | -11.3                                                     |
|               | May.             | 101.5                                                               | -15.9                                                     | 72.7                                              | -39.7                                                     | 85.5                                                                                  | -16.8                                                     |
|               | Jun.             | 143.7                                                               | 22.0                                                      | 87.8                                              | -26.4                                                     | 103.9                                                                                 | 0.6                                                       |
|               | Jul.             | 146.8                                                               | 21.3                                                      | 90.5                                              | -26.1                                                     | 103.0                                                                                 | -1.8                                                      |
|               | Aug.             | 141.0                                                               | 15.9                                                      | 93.8                                              | -23.7                                                     | 102.2                                                                                 | -0.6                                                      |
|               | Sep.             | 143.7                                                               | 16.9                                                      | 105.3                                             | -11.8                                                     | 102.5                                                                                 | -3.2                                                      |
|               | Oct.             | 142.5                                                               | 14.8                                                      | 105.6                                             | -13.1                                                     | 99.5                                                                                  | -5.0                                                      |
|               | Nov.             | 122.6                                                               | 14.1                                                      | 107.1                                             | -18.9                                                     | 88.7                                                                                  | -11.2                                                     |
|               | Dec.             | 113.3                                                               | 7.9                                                       | 113.9                                             | -14.6                                                     | 89.1                                                                                  | -4.1                                                      |
| 2021          | Jan              | 125.6                                                               | 14.7                                                      | 130.5                                             | 3.0                                                       | 79.4                                                                                  | -15.8                                                     |
|               | Feb              | 124.7                                                               | 13.3                                                      | 137.9                                             | 3.3                                                       | 77.6                                                                                  | -18.9                                                     |
|               | Mar              | 126.6                                                               | 17.2                                                      | 131.3                                             | 12.3                                                      | 79.5                                                                                  | -15.6                                                     |
|               | Apr              | 117.4                                                               | 22.3                                                      | 138.8                                             | 16.9                                                      | 89.1                                                                                  | -3.5                                                      |
|               | May              | 119.1                                                               | 17.3                                                      | 109.7                                             | 51.0                                                      | 82.3                                                                                  | -3.7                                                      |
|               | Jun              | 146.9                                                               | 2.2                                                       | 139.6                                             | 59.1                                                      | 103.3                                                                                 | -0.5                                                      |
|               | Jul              | 150.4                                                               | 2.4                                                       | 130.0                                             | 43.7                                                      | 101.6                                                                                 | -1.4                                                      |
|               | Aug              | 158.7                                                               | 12.6                                                      | 129.9                                             | 38.6                                                      | 92.3                                                                                  | -9.6                                                      |
|               | Sep              | 160.6                                                               | 11.8                                                      | 130.1                                             | 23.5                                                      | 88.9                                                                                  | -13.3                                                     |
|               | Oct              | 158.2                                                               | 11.1                                                      | 130.6                                             | 23.6                                                      | 81.5                                                                                  | -18.1                                                     |
|               | Nov              | 138.0                                                               | 12.5                                                      | 121.0                                             | 12.9                                                      | 89.5                                                                                  | 0.9                                                       |
|               | Dec              | 135.9                                                               | 20.0                                                      | 125.7                                             | 10.4                                                      | 93.9                                                                                  | 5.4                                                       |
| 2022          | Jan              | 138.4                                                               | 10.2                                                      | 145.2                                             | 11.3                                                      | 81.1                                                                                  | 2.1                                                       |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan pelbagai produk plastik t.t.t.l.            |                                                    | Pembuatan kaca leper, termasuk kaca leper berdawai, berwarna atau sedikit berwarna |                                                    | Pembuatan produk kaca lain t.t.t.l.               |                                                    |
|---------------|------------------|-------------------------------------------------------|----------------------------------------------------|------------------------------------------------------------------------------------|----------------------------------------------------|---------------------------------------------------|----------------------------------------------------|
|               |                  | Indeks/ Index                                         | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                                                      | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                     | % Perubahan tahun ke tahun/<br>change year-on-year |
|               |                  | <i>Manufacture of diverse plastic products n.e.c.</i> |                                                    | <i>Manufacture of flat glass, including wired, coloured or tinted flat glass</i>   |                                                    | <i>Manufacture of other glass products n.e.c.</i> |                                                    |
|               |                  | <b>Kod/ Codes</b>                                     | <b>22209</b>                                       | <b>23101</b>                                                                       |                                                    | <b>23109</b>                                      |                                                    |
|               |                  | <b>Wajaran/Weight 2015</b>                            | <b>0.86</b>                                        | <b>0.15</b>                                                                        |                                                    | <b>0.23</b>                                       |                                                    |
| 2019          |                  | 114.4                                                 | 1.4                                                | 133.7                                                                              | 6.3                                                | 125.8                                             | -2.7                                               |
| 2020          |                  | 118.8                                                 | 3.8                                                | 130.0                                                                              | -2.8                                               | 115.1                                             | -8.5                                               |
| 2021          |                  | 128.9                                                 | 8.5                                                | 117.2                                                                              | -9.8                                               | 93.9                                              | -18.5                                              |
| 2020          | Q1               | 110.9                                                 | -0.4                                               | 130.9                                                                              | 0.3                                                | 103.9                                             | -6.6                                               |
|               | Q2               | 98.1                                                  | -8.2                                               | 100.7                                                                              | -24.2                                              | 90.9                                              | -32.1                                              |
|               | Q3               | 126.4                                                 | 11.8                                               | 137.9                                                                              | 1.5                                                | 140.1                                             | 5.1                                                |
|               | Q4               | 139.6                                                 | 10.8                                               | 150.4                                                                              | 10.8                                               | 125.5                                             | 0.7                                                |
| 2021          | Q1               | 119.0                                                 | 7.3                                                | 117.2                                                                              | -10.4                                              | 85.7                                              | -17.6                                              |
|               | Q2               | 119.3                                                 | 21.5                                               | 99.1                                                                               | -1.6                                               | 75.6                                              | -16.8                                              |
|               | Q3               | 134.9                                                 | 6.7                                                | 122.5                                                                              | -11.1                                              | 89.6                                              | -36.0                                              |
|               | Q4               | 142.5                                                 | 2.0                                                | 130.1                                                                              | -13.5                                              | 124.5                                             | -0.8                                               |
| 2020          | Jan.             | 114.9                                                 | 1.1                                                | 145.7                                                                              | 5.8                                                | 116.9                                             | 6.5                                                |
|               | Feb.             | 113.6                                                 | 2.0                                                | 117.0                                                                              | -7.7                                               | 107.2                                             | -0.8                                               |
|               | Mar.             | 104.1                                                 | -4.5                                               | 129.9                                                                              | 2.4                                                | 87.7                                              | -24.3                                              |
|               | Apr.             | 78.0                                                  | -27.8                                              | 95.3                                                                               | -24.4                                              | 67.3                                              | -47.9                                              |
|               | May.             | 91.0                                                  | -15.5                                              | 91.7                                                                               | -30.2                                              | 75.9                                              | -43.3                                              |
|               | Jun.             | 125.4                                                 | 19.4                                               | 115.0                                                                              | -18.4                                              | 129.5                                             | -6.8                                               |
|               | Jul.             | 127.9                                                 | 13.6                                               | 134.2                                                                              | 1.4                                                | 153.0                                             | 9.7                                                |
|               | Aug.             | 124.6                                                 | 10.6                                               | 141.8                                                                              | 0.9                                                | 138.8                                             | 4.4                                                |
|               | Sep.             | 126.7                                                 | 11.1                                               | 137.6                                                                              | 2.2                                                | 128.5                                             | 0.8                                                |
|               | Oct.             | 127.0                                                 | 10.8                                               | 158.7                                                                              | 14.2                                               | 129.1                                             | 1.1                                                |
|               | Nov.             | 148.2                                                 | 11.7                                               | 141.6                                                                              | 10.4                                               | 127.4                                             | 2.8                                                |
|               | Dec.             | 143.7                                                 | 9.8                                                | 150.9                                                                              | 7.7                                                | 120.0                                             | -2.0                                               |
| 2021          | Jan              | 123.1                                                 | 7.1                                                | 125.9                                                                              | -13.6                                              | 86.0                                              | -26.4                                              |
|               | Feb              | 120.8                                                 | 6.3                                                | 106.5                                                                              | -9.0                                               | 80.8                                              | -24.5                                              |
|               | Mar              | 113.2                                                 | 8.7                                                | 119.2                                                                              | -8.2                                               | 90.2                                              | 2.8                                                |
|               | Apr              | 102.8                                                 | 31.7                                               | 100.9                                                                              | 5.8                                                | 85.7                                              | 27.3                                               |
|               | May              | 111.1                                                 | 22.1                                               | 92.5                                                                               | 0.9                                                | 80.4                                              | 5.9                                                |
|               | Jun              | 144.0                                                 | 14.8                                               | 103.8                                                                              | -9.7                                               | 60.8                                              | -53.1                                              |
|               | Jul              | 134.8                                                 | 5.4                                                | 116.7                                                                              | -13.0                                              | 65.6                                              | -57.1                                              |
|               | Aug              | 134.2                                                 | 7.7                                                | 119.7                                                                              | -15.6                                              | 102.9                                             | -25.8                                              |
|               | Sep              | 135.6                                                 | 7.0                                                | 131.2                                                                              | -4.7                                               | 100.3                                             | -21.9                                              |
|               | Oct              | 131.6                                                 | 3.6                                                | 140.7                                                                              | -11.4                                              | 123.8                                             | -4.1                                               |
|               | Nov              | 153.1                                                 | 3.4                                                | 121.1                                                                              | -14.5                                              | 129.1                                             | 1.4                                                |
|               | Dec              | 142.7                                                 | -0.7                                               | 128.5                                                                              | -14.9                                              | 120.5                                             | 0.4                                                |
| 2022          | Jan              | 126.0                                                 | 2.4                                                | 124.6                                                                              | -1.0                                               | 100.7                                             | 17.1                                               |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan seramik bukan refraktori    |                                                    | Pembuatan produk porselin dan seramik lain          |                                                    | Pembuatan simen hidrolik        |                                                    |
|---------------|------------------|---------------------------------------|----------------------------------------------------|-----------------------------------------------------|----------------------------------------------------|---------------------------------|----------------------------------------------------|
|               |                  | Indeks/ Index                         | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                       | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                   | % Perubahan tahun ke tahun/<br>change year-on-year |
|               |                  | Manufacture of non-refractory ceramic |                                                    | Manufacture of other porcelain and ceramic products |                                                    | Manufacture of hydraulic cement |                                                    |
|               |                  | <b>Kod/ Codes</b>                     | <b>23921</b>                                       | <b>23930</b>                                        |                                                    | <b>23941</b>                    |                                                    |
|               |                  | <b>Wajaran/Weight 2015</b>            | <b>0.23</b>                                        | <b>0.07</b>                                         |                                                    | <b>0.74</b>                     |                                                    |
| 2019          |                  | 120.0                                 | 0.8                                                | 114.1                                               | 11.1                                               | 125.6                           | 3.0                                                |
| 2020          |                  | 95.6                                  | -20.3                                              | 89.5                                                | -21.5                                              | 114.0                           | -9.2                                               |
| 2021          |                  | 80.3                                  | -16.0                                              | 100.5                                               | 12.2                                               | 113.7                           | -0.3                                               |
| 2020          | Q1               | 101.1                                 | -13.9                                              | 117.4                                               | 1.0                                                | 114.8                           | 0.4                                                |
|               | Q2               | 64.7                                  | -46.5                                              | 56.4                                                | -54.4                                              | 61.7                            | -48.4                                              |
|               | Q3               | 120.2                                 | -2.0                                               | 95.8                                                | -16.7                                              | 121.8                           | -6.7                                               |
|               | Q4               | 96.5                                  | -18.8                                              | 88.5                                                | -12.7                                              | 157.7                           | 14.4                                               |
| 2021          | Q1               | 81.1                                  | -19.7                                              | 104.0                                               | -11.4                                              | 142.1                           | 23.7                                               |
|               | Q2               | 67.8                                  | 4.8                                                | 106.2                                               | 88.1                                               | 69.8                            | 13.1                                               |
|               | Q3               | 64.8                                  | -46.1                                              | 95.8                                                | 0.0                                                | 80.9                            | -33.6                                              |
|               | Q4               | 107.5                                 | 11.4                                               | 96.0                                                | 8.5                                                | 162.1                           | 2.8                                                |
| 2020          | Jan.             | 117.2                                 | -12.5                                              | 115.1                                               | 6.7                                                | 127.2                           | 3.3                                                |
|               | Feb.             | 101.5                                 | -7.2                                               | 128.7                                               | 14.7                                               | 116.0                           | 16.6                                               |
|               | Mar.             | 84.5                                  | -22.3                                              | 108.4                                               | -15.8                                              | 101.3                           | -15.9                                              |
|               | Apr.             | 34.4                                  | -70.5                                              | 20.9                                                | -83.1                                              | 5.1                             | -95.4                                              |
|               | May.             | 37.1                                  | -70.2                                              | 44.6                                                | -63.8                                              | 77.9                            | -33.7                                              |
|               | Jun.             | 122.7                                 | 0.7                                                | 103.9                                               | -16.8                                              | 102.2                           | -21.6                                              |
|               | Jul.             | 152.4                                 | 15.4                                               | 95.2                                                | -23.1                                              | 104.5                           | -16.4                                              |
|               | Aug.             | 130.0                                 | 7.4                                                | 99.1                                                | -18.5                                              | 114.1                           | -11.9                                              |
|               | Sep.             | 78.3                                  | -31.9                                              | 93.1                                                | -6.5                                               | 146.9                           | 7.2                                                |
|               | Oct.             | 105.3                                 | -14.8                                              | 91.8                                                | -7.5                                               | 154.3                           | 8.2                                                |
|               | Nov.             | 105.5                                 | -16.5                                              | 87.2                                                | -10.6                                              | 151.1                           | 10.4                                               |
|               | Dec.             | 78.8                                  | -26.0                                              | 86.4                                                | -19.4                                              | 167.8                           | 25.2                                               |
| 2021          | Jan              | 89.5                                  | -23.7                                              | 90.9                                                | -21.0                                              | 161.9                           | 27.3                                               |
|               | Feb              | 70.7                                  | -30.3                                              | 107.0                                               | -16.9                                              | 147.1                           | 26.8                                               |
|               | Mar              | 83.1                                  | -1.7                                               | 114.1                                               | 5.2                                                | 117.2                           | 15.8                                               |
|               | Apr              | 73.5                                  | 113.8                                              | 118.1                                               | 465.8                                              | 104.9                           | 1965.3                                             |
|               | May              | 75.2                                  | 102.4                                              | 97.7                                                | 119.2                                              | 58.6                            | -24.8                                              |
|               | Jun              | 54.8                                  | -55.3                                              | 102.7                                               | -1.1                                               | 45.9                            | -55.1                                              |
|               | Jul              | 56.6                                  | -62.9                                              | 97.8                                                | 2.7                                                | 45.1                            | -56.8                                              |
|               | Aug              | 76.6                                  | -41.1                                              | 98.3                                                | -0.7                                               | 85.5                            | -25.1                                              |
|               | Sep              | 61.3                                  | -21.8                                              | 91.2                                                | -2.0                                               | 112.0                           | -23.7                                              |
|               | Oct              | 107.8                                 | 2.4                                                | 94.2                                                | 2.6                                                | 146.2                           | -5.2                                               |
|               | Nov              | 121.0                                 | 14.7                                               | 99.3                                                | 13.8                                               | 158.5                           | 4.9                                                |
|               | Dec              | 93.7                                  | 18.9                                               | 94.6                                                | 9.5                                                | 181.6                           | 8.2                                                |
| 2022          | Jan              | 66.0                                  | -26.2                                              | 106.2                                               | 16.9                                               | 189.0                           | 16.7                                               |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan kapur dan plaster            |                                                           | Pembuatan konkrit dan mortar<br>siap bancuh dan bancuhan kering       |                                                           | Pembuatan konkrit pratuangan,<br>simen atau artikel batu buatan<br>yang digunakan dalam pembinaan           |                                                           |
|---------------|------------------|----------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
|               |                  | Indeks/ Index                          | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                         | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                                               | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|               |                  | <i>Manufacture of lime and plaster</i> |                                                           | <i>Manufacture of ready-mix and dry-<br/>mix concrete and mortars</i> |                                                           | <i>Manufacture of precast concrete,<br/>cement or artificial stone articles<br/>for use in construction</i> |                                                           |
|               |                  | <b>Kod/ Codes</b>                      | <b>23942</b>                                              | <b>23951</b>                                                          | <b>23952</b>                                              |                                                                                                             |                                                           |
|               |                  | <b>Wajaran/Weight 2015</b>             | <b>0.09</b>                                               | <b>0.36</b>                                                           | <b>0.38</b>                                               |                                                                                                             |                                                           |
| 2019          |                  | 118.5                                  | 5.1                                                       | 118.3                                                                 | 6.3                                                       | 111.6                                                                                                       | 6.6                                                       |
| 2020          |                  | 95.4                                   | -19.5                                                     | 113.9                                                                 | -3.7                                                      | 85.3                                                                                                        | -23.6                                                     |
| 2021          |                  | 95.9                                   | 0.6                                                       | 143.9                                                                 | 26.3                                                      | 77.6                                                                                                        | -9.0                                                      |
| 2020          | Q1               | 110.6                                  | -6.1                                                      | 128.9                                                                 | 20.9                                                      | 115.5                                                                                                       | -3.1                                                      |
|               | Q2               | 67.6                                   | -45.4                                                     | 77.3                                                                  | -32.6                                                     | 44.3                                                                                                        | -60.6                                                     |
|               | Q3               | 97.0                                   | -16.5                                                     | 114.9                                                                 | -3.9                                                      | 89.7                                                                                                        | -15.9                                                     |
|               | Q4               | 106.3                                  | -8.4                                                      | 134.6                                                                 | 1.8                                                       | 91.6                                                                                                        | -15.4                                                     |
| 2021          | Q1               | 114.8                                  | 3.8                                                       | 139.7                                                                 | 8.4                                                       | 88.5                                                                                                        | -23.4                                                     |
|               | Q2               | 82.7                                   | 22.3                                                      | 134.3                                                                 | 73.8                                                      | 72.1                                                                                                        | 62.6                                                      |
|               | Q3               | 88.7                                   | -8.6                                                      | 133.6                                                                 | 16.3                                                      | 65.9                                                                                                        | -26.6                                                     |
|               | Q4               | 97.7                                   | -8.1                                                      | 168.1                                                                 | 24.9                                                      | 83.9                                                                                                        | -8.4                                                      |
| 2020          | Jan.             | 128.2                                  | 7.2                                                       | 118.1                                                                 | 15.0                                                      | 135.7                                                                                                       | 11.5                                                      |
|               | Feb.             | 113.2                                  | -0.2                                                      | 112.4                                                                 | 18.9                                                      | 116.1                                                                                                       | 4.7                                                       |
|               | Mar.             | 90.3                                   | -25.0                                                     | 156.2                                                                 | 27.3                                                      | 94.8                                                                                                        | -24.3                                                     |
|               | Apr.             | 46.4                                   | -62.0                                                     | 62.2                                                                  | -45.8                                                     | 22.8                                                                                                        | -80.8                                                     |
|               | May.             | 68.2                                   | -46.0                                                     | 67.8                                                                  | -40.5                                                     | 31.3                                                                                                        | -70.0                                                     |
|               | Jun.             | 88.1                                   | -28.0                                                     | 101.9                                                                 | -11.7                                                     | 78.9                                                                                                        | -31.0                                                     |
|               | Jul.             | 91.3                                   | -23.0                                                     | 116.0                                                                 | -4.4                                                      | 92.7                                                                                                        | -17.6                                                     |
|               | Aug.             | 101.2                                  | -11.6                                                     | 115.7                                                                 | -7.5                                                      | 94.1                                                                                                        | -14.8                                                     |
|               | Sep.             | 98.6                                   | -14.7                                                     | 113.1                                                                 | 0.7                                                       | 82.3                                                                                                        | -15.3                                                     |
|               | Oct.             | 103.7                                  | -11.0                                                     | 130.1                                                                 | 1.4                                                       | 82.8                                                                                                        | -15.5                                                     |
|               | Nov.             | 105.8                                  | -8.3                                                      | 135.7                                                                 | 4.3                                                       | 87.6                                                                                                        | -15.5                                                     |
|               | Dec.             | 109.5                                  | -5.9                                                      | 138.1                                                                 | -0.1                                                      | 104.2                                                                                                       | -15.2                                                     |
| 2021          | Jan              | 129.0                                  | 0.6                                                       | 125.5                                                                 | 6.3                                                       | 92.7                                                                                                        | -31.7                                                     |
|               | Feb              | 106.8                                  | -5.6                                                      | 121.2                                                                 | 7.8                                                       | 81.9                                                                                                        | -29.4                                                     |
|               | Mar              | 108.4                                  | 20.1                                                      | 172.3                                                                 | 10.4                                                      | 90.8                                                                                                        | -4.2                                                      |
|               | Apr              | 84.2                                   | 81.5                                                      | 156.4                                                                 | 151.3                                                     | 77.5                                                                                                        | 239.7                                                     |
|               | May              | 85.3                                   | 25.1                                                      | 147.4                                                                 | 117.4                                                     | 73.3                                                                                                        | 134.3                                                     |
|               | Jun              | 78.5                                   | -10.9                                                     | 99.1                                                                  | -2.7                                                      | 65.6                                                                                                        | -16.9                                                     |
|               | Jul              | 77.3                                   | -15.4                                                     | 101.4                                                                 | -12.6                                                     | 58.9                                                                                                        | -36.4                                                     |
|               | Aug              | 94.1                                   | -7.0                                                      | 141.8                                                                 | 22.6                                                      | 72.1                                                                                                        | -23.4                                                     |
|               | Sep              | 94.6                                   | -4.1                                                      | 157.6                                                                 | 39.4                                                      | 66.6                                                                                                        | -19.1                                                     |
|               | Oct              | 102.8                                  | -0.9                                                      | 168.6                                                                 | 29.6                                                      | 75.2                                                                                                        | -9.1                                                      |
|               | Nov              | 95.8                                   | -9.4                                                      | 168.3                                                                 | 24.0                                                      | 87.2                                                                                                        | -0.5                                                      |
|               | Dec              | 94.5                                   | -13.7                                                     | 167.5                                                                 | 21.3                                                      | 89.2                                                                                                        | -14.4                                                     |
| 2022          | Jan              | 101.0                                  | -21.7                                                     | 167.2                                                                 | 33.2                                                      | 86.0                                                                                                        | -7.2                                                      |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                                                                                                         |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year               |       | Indeks/ Index                                                |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  |
|---------------------|------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|-------------------------------------------------------------------------|-------|--------------------------------------------------------------|-------|-----------------------------------------------------------|--|
|                     |                  | Pembuatan komponen struktur<br>pasang siap untuk bangunan atau<br>kejuruteraan awam dari simen,<br>batu atau konkrit buatan           |       | Pembuatan artikel konkrit, simen<br>dan plaster lain t.t.t.l.           |       | Pembuatan produk mineral bukan<br>logam lain t.t.t.l.        |       |                                                           |  |
|                     |                  | Manufacture of prefabricated<br>structural components for building<br>or civil engineering of cement,<br>concrete or artificial stone |       | Manufacture of other articles of<br>concrete, cement and plaster n.e.c. |       | Manufacture of other non-metallic<br>mineral products n.e.c. |       |                                                           |  |
|                     |                  | Kod/ Codes                                                                                                                            |       | 23953                                                                   |       | 23959                                                        |       | 23990                                                     |  |
| Wajaran/Weight 2015 |                  | 0.18                                                                                                                                  |       | 0.19                                                                    |       | 0.21                                                         |       |                                                           |  |
| 2019                |                  | 115.9                                                                                                                                 | 8.1   | 115.1                                                                   | 0.8   | 115.3                                                        | 10.3  |                                                           |  |
| 2020                |                  | 92.3                                                                                                                                  | -20.3 | 92.8                                                                    | -19.3 | 87.9                                                         | -23.8 |                                                           |  |
| 2021                |                  | 91.4                                                                                                                                  | -1.0  | 95.7                                                                    | 3.1   | 99.5                                                         | 13.2  |                                                           |  |
| 2020                | Q1               | 117.6                                                                                                                                 | 3.4   | 98.8                                                                    | -7.4  | 100.6                                                        | -10.7 |                                                           |  |
|                     | Q2               | 55.0                                                                                                                                  | -50.0 | 49.6                                                                    | -58.1 | 53.7                                                         | -52.6 |                                                           |  |
|                     | Q3               | 95.8                                                                                                                                  | -22.4 | 102.3                                                                   | -14.8 | 96.8                                                         | -14.8 |                                                           |  |
|                     | Q4               | 100.8                                                                                                                                 | -13.3 | 120.6                                                                   | 4.7   | 100.3                                                        | -17.6 |                                                           |  |
| 2021                | Q1               | 116.5                                                                                                                                 | -1.0  | 130.6                                                                   | 32.1  | 118.2                                                        | 17.5  |                                                           |  |
|                     | Q2               | 92.4                                                                                                                                  | 67.9  | 71.2                                                                    | 43.5  | 102.0                                                        | 89.9  |                                                           |  |
|                     | Q3               | 76.6                                                                                                                                  | -20.0 | 67.3                                                                    | -34.2 | 88.3                                                         | -8.8  |                                                           |  |
|                     | Q4               | 80.0                                                                                                                                  | -20.6 | 113.9                                                                   | -5.6  | 89.3                                                         | -11.0 |                                                           |  |
| 2020                | Jan.             | 114.5                                                                                                                                 | 5.0   | 101.2                                                                   | -6.1  | 115.7                                                        | -1.1  |                                                           |  |
|                     | Feb.             | 138.7                                                                                                                                 | 17.5  | 102.7                                                                   | 1.0   | 83.3                                                         | -24.5 |                                                           |  |
|                     | Mar.             | 99.6                                                                                                                                  | -12.6 | 92.5                                                                    | -16.4 | 102.8                                                        | -7.1  |                                                           |  |
|                     | Apr.             | 34.3                                                                                                                                  | -68.8 | 25.6                                                                    | -77.0 | 35.5                                                         | -68.2 |                                                           |  |
|                     | May.             | 44.8                                                                                                                                  | -59.0 | 39.0                                                                    | -68.1 | 42.9                                                         | -63.4 |                                                           |  |
|                     | Jun.             | 85.9                                                                                                                                  | -22.4 | 84.3                                                                    | -30.6 | 82.8                                                         | -25.5 |                                                           |  |
|                     | Jul.             | 89.8                                                                                                                                  | -26.3 | 97.5                                                                    | -19.6 | 98.7                                                         | -13.0 |                                                           |  |
|                     | Aug.             | 102.9                                                                                                                                 | -17.0 | 103.2                                                                   | -17.1 | 104.3                                                        | -11.0 |                                                           |  |
|                     | Sep.             | 94.7                                                                                                                                  | -24.1 | 106.1                                                                   | -7.3  | 87.4                                                         | -20.9 |                                                           |  |
|                     | Oct.             | 102.5                                                                                                                                 | -12.2 | 115.5                                                                   | -3.2  | 95.4                                                         | -13.0 |                                                           |  |
|                     | Nov.             | 100.3                                                                                                                                 | -15.6 | 124.3                                                                   | 8.5   | 99.2                                                         | -15.2 |                                                           |  |
|                     | Dec.             | 99.7                                                                                                                                  | -12.0 | 122.0                                                                   | 9.2   | 106.3                                                        | -23.2 |                                                           |  |
| 2021                | Jan              | 108.1                                                                                                                                 | -5.6  | 149.2                                                                   | 47.4  | 134.5                                                        | 16.3  |                                                           |  |
|                     | Feb              | 126.1                                                                                                                                 | -9.1  | 138.5                                                                   | 34.9  | 92.9                                                         | 11.6  |                                                           |  |
|                     | Mar              | 115.2                                                                                                                                 | 15.7  | 103.9                                                                   | 12.3  | 127.2                                                        | 23.8  |                                                           |  |
|                     | Apr              | 106.4                                                                                                                                 | 210.5 | 83.7                                                                    | 226.8 | 113.5                                                        | 220.0 |                                                           |  |
|                     | May              | 99.3                                                                                                                                  | 121.7 | 68.9                                                                    | 76.7  | 97.4                                                         | 127.1 |                                                           |  |
|                     | Jun              | 71.3                                                                                                                                  | -17.0 | 61.1                                                                    | -27.5 | 95.1                                                         | 14.9  |                                                           |  |
|                     | Jul              | 71.0                                                                                                                                  | -20.9 | 57.4                                                                    | -41.1 | 83.8                                                         | -15.1 |                                                           |  |
|                     | Aug              | 81.4                                                                                                                                  | -20.8 | 68.2                                                                    | -33.9 | 88.7                                                         | -14.9 |                                                           |  |
|                     | Sep              | 77.4                                                                                                                                  | -18.2 | 76.2                                                                    | -28.2 | 92.2                                                         | 5.5   |                                                           |  |
|                     | Oct              | 63.8                                                                                                                                  | -37.7 | 97.8                                                                    | -15.3 | 100.6                                                        | 5.5   |                                                           |  |
|                     | Nov              | 85.2                                                                                                                                  | -15.1 | 121.2                                                                   | -2.5  | 83.1                                                         | -16.3 |                                                           |  |
|                     | Dec              | 91.0                                                                                                                                  | -8.7  | 122.6                                                                   | 0.5   | 84.3                                                         | -20.7 |                                                           |  |
| 2022                | Jan              | 85.3                                                                                                                                  | -21.1 | 145.5                                                                   | -2.5  | 101.8                                                        | -24.3 |                                                           |  |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Indeks/ Index                                                                                               | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                                                                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------|------------------|-------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
|               |                  | Pengeluaran jongkong besi dan<br>spiegeleisen dalam bentuk<br>jongkong, blok atau dalam bentuk<br>asal lain |                                                           | Pembuatan batang dan rod keluli<br>tahan karat atau keluli aloi lain           |                                                           | Pembuatan tiub tidak berkelim,<br>dengan penggelekan, picitan atau<br>tempaan panas, atau dengan<br>tempaan atau penggelekan sejuk |                                                           |
|               |                  | <i>Production of pig iron and<br/>spiegeleisen in pigs, blocks or other<br/>primary forms</i>               |                                                           | <i>Production of bars and rods of<br/>stainless steel or other alloy steel</i> |                                                           | <i>Manufacture of seamless tubes, by<br/>hot rolling, hot extrusion or hot<br/>drawing, or by cold drawing or cold<br/>rolling</i> |                                                           |
|               |                  | <b>Kod/ Codes</b>                                                                                           | <b>24101</b>                                              | <b>24102</b>                                                                   |                                                           | <b>24103</b>                                                                                                                       |                                                           |
|               |                  | <b>Wajaran/Weight 2015</b>                                                                                  | <b>0.23</b>                                               | <b>0.79</b>                                                                    |                                                           | <b>0.11</b>                                                                                                                        |                                                           |
| 2019          |                  | 121.4                                                                                                       | 3.9                                                       | 117.0                                                                          | 6.9                                                       | 113.7                                                                                                                              | 0.6                                                       |
| 2020          |                  | 105.1                                                                                                       | -13.4                                                     | 125.1                                                                          | 7.0                                                       | 96.7                                                                                                                               | -14.9                                                     |
| 2021          |                  | 103.1                                                                                                       | -1.9                                                      | 130.6                                                                          | 4.4                                                       | 82.7                                                                                                                               | -14.5                                                     |
| 2020          | Q1               | 127.5                                                                                                       | 2.9                                                       | 111.9                                                                          | -1.4                                                      | 98.2                                                                                                                               | -5.8                                                      |
|               | Q2               | 73.3                                                                                                        | -37.2                                                     | 120.9                                                                          | 2.9                                                       | 80.2                                                                                                                               | -33.6                                                     |
|               | Q3               | 108.6                                                                                                       | -5.7                                                      | 144.6                                                                          | 18.9                                                      | 110.1                                                                                                                              | -4.9                                                      |
|               | Q4               | 111.0                                                                                                       | -14.4                                                     | 122.9                                                                          | 6.9                                                       | 98.3                                                                                                                               | -13.7                                                     |
| 2021          | Q1               | 108.0                                                                                                       | -15.3                                                     | 126.5                                                                          | 13.0                                                      | 101.2                                                                                                                              | 3.0                                                       |
|               | Q2               | 90.2                                                                                                        | 23.2                                                      | 120.9                                                                          | 0.0                                                       | 68.9                                                                                                                               | -14.1                                                     |
|               | Q3               | 97.3                                                                                                        | -10.4                                                     | 132.1                                                                          | -8.7                                                      | 68.7                                                                                                                               | -37.6                                                     |
|               | Q4               | 117.0                                                                                                       | 5.4                                                       | 142.8                                                                          | 16.1                                                      | 92.0                                                                                                                               | -6.4                                                      |
| 2020          | Jan.             | 129.8                                                                                                       | 7.6                                                       | 108.4                                                                          | -4.3                                                      | 97.1                                                                                                                               | -4.5                                                      |
|               | Feb.             | 143.9                                                                                                       | 9.5                                                       | 109.9                                                                          | 6.3                                                       | 106.5                                                                                                                              | 1.8                                                       |
|               | Mar.             | 108.7                                                                                                       | -9.1                                                      | 117.5                                                                          | -5.2                                                      | 91.0                                                                                                                               | -14.5                                                     |
|               | Apr.             | 49.7                                                                                                        | -56.4                                                     | 97.9                                                                           | -18.7                                                     | 59.8                                                                                                                               | -47.1                                                     |
|               | May.             | 81.2                                                                                                        | -28.4                                                     | 89.4                                                                           | -22.6                                                     | 78.7                                                                                                                               | -33.4                                                     |
|               | Jun.             | 88.8                                                                                                        | -27.4                                                     | 175.5                                                                          | 50.4                                                      | 102.0                                                                                                                              | -22.2                                                     |
|               | Jul.             | 92.2                                                                                                        | -21.1                                                     | 166.3                                                                          | 32.2                                                      | 120.3                                                                                                                              | -1.2                                                      |
|               | Aug.             | 134.3                                                                                                       | 15.6                                                      | 138.7                                                                          | 15.2                                                      | 101.0                                                                                                                              | -9.9                                                      |
|               | Sep.             | 99.3                                                                                                        | -11.8                                                     | 128.9                                                                          | 8.4                                                       | 108.9                                                                                                                              | -3.8                                                      |
|               | Oct.             | 110.8                                                                                                       | -7.2                                                      | 125.6                                                                          | 7.6                                                       | 99.3                                                                                                                               | -8.4                                                      |
|               | Nov.             | 99.9                                                                                                        | -24.7                                                     | 128.6                                                                          | 9.8                                                       | 99.9                                                                                                                               | -12.7                                                     |
|               | Dec.             | 122.4                                                                                                       | -10.8                                                     | 114.6                                                                          | 3.0                                                       | 95.7                                                                                                                               | -19.5                                                     |
| 2021          | Jan              | 101.1                                                                                                       | -22.1                                                     | 127.5                                                                          | 17.6                                                      | 108.4                                                                                                                              | 11.6                                                      |
|               | Feb              | 124.3                                                                                                       | -13.6                                                     | 118.8                                                                          | 8.1                                                       | 98.8                                                                                                                               | -7.3                                                      |
|               | Mar              | 98.5                                                                                                        | -9.4                                                      | 133.1                                                                          | 13.3                                                      | 96.4                                                                                                                               | 5.9                                                       |
|               | Apr              | 90.2                                                                                                        | 81.4                                                      | 140.5                                                                          | 43.5                                                      | 76.9                                                                                                                               | 28.5                                                      |
|               | May              | 98.1                                                                                                        | 20.7                                                      | 120.8                                                                          | 35.2                                                      | 65.8                                                                                                                               | -16.4                                                     |
|               | Jun              | 82.4                                                                                                        | -7.2                                                      | 101.3                                                                          | -42.3                                                     | 64.0                                                                                                                               | -37.3                                                     |
|               | Jul              | 90.4                                                                                                        | -2.0                                                      | 101.1                                                                          | -39.2                                                     | 62.7                                                                                                                               | -47.9                                                     |
|               | Aug              | 113.3                                                                                                       | -15.7                                                     | 136.2                                                                          | -1.8                                                      | 66.4                                                                                                                               | -34.3                                                     |
|               | Sep              | 88.3                                                                                                        | -11.1                                                     | 158.9                                                                          | 23.3                                                      | 76.9                                                                                                                               | -29.3                                                     |
|               | Oct              | 109.5                                                                                                       | -1.2                                                      | 137.3                                                                          | 9.3                                                       | 90.2                                                                                                                               | -9.2                                                      |
|               | Nov              | 114.7                                                                                                       | 14.9                                                      | 148.4                                                                          | 15.4                                                      | 90.6                                                                                                                               | -9.3                                                      |
|               | Dec              | 126.9                                                                                                       | 3.7                                                       | 142.6                                                                          | 24.4                                                      | 95.1                                                                                                                               | -0.6                                                      |
| 2022          | Jan              | 122.3                                                                                                       | 21.0                                                      | 133.8                                                                          | 4.9                                                       | 99.6                                                                                                                               | -8.1                                                      |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Indeks/ Index                                                        | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                                                                                           | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                              | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------|------------------|----------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------|
|               |                  | Pembuatan produk besi asas dan<br>keluli lain t.t.t.l.               |                                                           | Peleburan timah; Pengeluaran<br>aluminium daripada alumina; &<br>Pembuatan logam asas berharga<br>dan logam bukan ferus lain t.t.t.l.                   |                                                           | Pembuatan pintu, tingkap dan<br>bingkai, penutup tingkap dan<br>pintu pagar daripada logam |                                                           |
|               |                  | <i>Manufacture of other basic iron<br/>and steel products n.e.c.</i> |                                                           | <i>Tin smelting; Production of<br/>aluminium from alumina; &amp;<br/>Manufacture of other basic<br/>precious and other non-ferrous<br/>metal n.e.c.</i> |                                                           | <i>Manufacture of metal doors,<br/>windows and their frames, shutters<br/>and gates</i>    |                                                           |
|               |                  | <b>Kod/ Codes</b>                                                    | <b>24109</b>                                              | <b>24201, 24202 &amp; 24209</b>                                                                                                                         |                                                           | <b>25113</b>                                                                               |                                                           |
|               |                  | <b>Wajaran/Weight 2015</b>                                           | <b>0.33</b>                                               | <b>0.71</b>                                                                                                                                             |                                                           | <b>0.32</b>                                                                                |                                                           |
| 2019          |                  | 114.1                                                                | 1.0                                                       | 116.0                                                                                                                                                   | 3.4                                                       | 114.4                                                                                      | 5.2                                                       |
| 2020          |                  | 97.6                                                                 | -14.4                                                     | 0.0                                                                                                                                                     | -100.0                                                    | 113.3                                                                                      | -0.9                                                      |
| 2021          |                  | 94.3                                                                 | -3.3                                                      | 80.4                                                                                                                                                    | #DIV/0!                                                   | 107.5                                                                                      | -5.1                                                      |
| 2020          | Q1               | 113.1                                                                | 2.8                                                       | 79.9                                                                                                                                                    | -22.6                                                     | 117.2                                                                                      | 3.7                                                       |
|               | Q2               | 48.0                                                                 | -55.8                                                     | 97.3                                                                                                                                                    | -18.2                                                     | 91.9                                                                                       | -21.0                                                     |
|               | Q3               | 112.0                                                                | -8.5                                                      | 94.4                                                                                                                                                    | -24.6                                                     | 134.9                                                                                      | 17.3                                                      |
|               | Q4               | 117.3                                                                | 1.7                                                       | 99.4                                                                                                                                                    | -14.7                                                     | 109.3                                                                                      | -3.3                                                      |
| 2021          | Q1               | 96.4                                                                 | -14.8                                                     | 113.3                                                                                                                                                   | 41.7                                                      | 120.8                                                                                      | 3.0                                                       |
|               | Q2               | 82.8                                                                 | 72.5                                                      | 0.0                                                                                                                                                     | -100.0                                                    | 97.2                                                                                       | 5.9                                                       |
|               | Q3               | 88.8                                                                 | -20.7                                                     | 78.9                                                                                                                                                    | -16.4                                                     | 97.3                                                                                       | -27.9                                                     |
|               | Q4               | 109.3                                                                | -6.8                                                      | 81.0                                                                                                                                                    | -18.6                                                     | 114.8                                                                                      | 5.0                                                       |
| 2020          | Jan.             | 112.9                                                                | 4.2                                                       | 115.7                                                                                                                                                   | 14.6                                                      | 128.7                                                                                      | 10.1                                                      |
|               | Feb.             | 125.0                                                                | 15.6                                                      | 110.9                                                                                                                                                   | 8.2                                                       | 127.3                                                                                      | 9.7                                                       |
|               | Mar.             | 101.5                                                                | -10.7                                                     | 90.8                                                                                                                                                    | -14.7                                                     | 95.8                                                                                       | -9.9                                                      |
|               | Apr.             | 29.4                                                                 | -73.2                                                     | 27.4                                                                                                                                                    | -75.6                                                     | 25.6                                                                                       | -77.6                                                     |
|               | May.             | 35.6                                                                 | -63.8                                                     | 70.0                                                                                                                                                    | -41.7                                                     | 107.8                                                                                      | -8.9                                                      |
|               | Jun.             | 78.9                                                                 | -32.7                                                     | 122.6                                                                                                                                                   | -1.6                                                      | 142.2                                                                                      | 22.4                                                      |
|               | Jul.             | 89.7                                                                 | -29.0                                                     | 127.3                                                                                                                                                   | -4.0                                                      | 139.8                                                                                      | 16.5                                                      |
|               | Aug.             | 104.1                                                                | -13.5                                                     | 113.5                                                                                                                                                   | -6.5                                                      | 140.7                                                                                      | 26.1                                                      |
|               | Sep.             | 142.1                                                                | 18.3                                                      | 117.6                                                                                                                                                   | -3.4                                                      | 124.2                                                                                      | 9.6                                                       |
|               | Oct.             | 121.9                                                                | 2.8                                                       | 124.6                                                                                                                                                   | 3.9                                                       | 112.4                                                                                      | 4.3                                                       |
|               | Nov.             | 114.1                                                                | 0.4                                                       | 126.9                                                                                                                                                   | 9.7                                                       | 110.5                                                                                      | 0.3                                                       |
|               | Dec.             | 115.8                                                                | 1.7                                                       | 131.1                                                                                                                                                   | 15.0                                                      | 105.1                                                                                      | -13.4                                                     |
| 2021          | Jan              | 99.1                                                                 | -12.2                                                     | 122.8                                                                                                                                                   | 6.2                                                       | 117.0                                                                                      | -9.1                                                      |
|               | Feb              | 97.8                                                                 | -21.8                                                     | 116.9                                                                                                                                                   | 5.4                                                       | 133.1                                                                                      | 4.6                                                       |
|               | Mar              | 92.3                                                                 | -9.1                                                      | 109.1                                                                                                                                                   | 20.1                                                      | 112.3                                                                                      | 17.2                                                      |
|               | Apr              | 89.5                                                                 | 204.3                                                     | 111.4                                                                                                                                                   | 306.6                                                     | 99.4                                                                                       | 288.1                                                     |
|               | May              | 81.7                                                                 | 129.5                                                     | 106.2                                                                                                                                                   | 51.8                                                      | 107.4                                                                                      | -0.4                                                      |
|               | Jun              | 77.1                                                                 | -2.3                                                      | 95.1                                                                                                                                                    | -22.4                                                     | 85.0                                                                                       | -40.2                                                     |
|               | Jul              | 74.8                                                                 | -16.6                                                     | 86.1                                                                                                                                                    | -32.3                                                     | 91.1                                                                                       | -34.8                                                     |
|               | Aug              | 88.7                                                                 | -14.8                                                     | 102.1                                                                                                                                                   | -10.1                                                     | 100.4                                                                                      | -28.6                                                     |
|               | Sep              | 103.0                                                                | -27.5                                                     | 117.7                                                                                                                                                   | 0.1                                                       | 100.2                                                                                      | -19.3                                                     |
|               | Oct              | 110.3                                                                | -9.5                                                      | 131.6                                                                                                                                                   | 5.7                                                       | 119.6                                                                                      | 6.4                                                       |
|               | Nov              | 109.8                                                                | -3.8                                                      | 124.8                                                                                                                                                   | -1.7                                                      | 118.3                                                                                      | 7.0                                                       |
|               | Dec              | 107.8                                                                | -6.9                                                      | 128.9                                                                                                                                                   | -1.7                                                      | 106.5                                                                                      | 1.3                                                       |
| 2022          | Jan              | 110.1                                                                | 11.1                                                      | 129.5                                                                                                                                                   | 5.4                                                       | 120.4                                                                                      | 2.9                                                       |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

|                     |                  | Indeks/<br>Index                                  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/<br>Index                                               | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/<br>Index                                                               | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/<br>Index                                   | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|---------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan produk struktur<br>logam lain           |                                                           | Pembuatan tangki, takungan<br>dan kontena daripada logam       |                                                           | Tempaan, tekanan, hentakan<br>dan bentuk gelekkan logam;<br>serbuk metalurgi   |                                                           | Rawatan dan penyalutan<br>logam; menggunakan mesin |                                                           |
| Tahun<br>Year       | Tempoh<br>Period | Manufacture of other structural<br>metal products |                                                           | Manufacture of tanks,<br>reservoirs and containers of<br>metal |                                                           | Forging, pressing, stamping<br>and roll-forming of metal;<br>powder metallurgy |                                                           | Treatment and coating of<br>metals; machining      |                                                           |
| Kod/ Codes          |                  | 25119                                             |                                                           | 25120                                                          |                                                           | 25910                                                                          |                                                           | 25920                                              |                                                           |
| Wajaran/Weight 2015 |                  | 0.54                                              |                                                           | 0.31                                                           |                                                           | 0.32                                                                           |                                                           | 0.25                                               |                                                           |
| 2019                |                  | 124.5                                             | 4.4                                                       | 117.7                                                          | 3.5                                                       | 127.7                                                                          | 7.5                                                       | 127.9                                              | 1.2                                                       |
| 2020                |                  | 115.0                                             | -7.7                                                      | 99.5                                                           | -15.4                                                     | 89.2                                                                           | -30.1                                                     | 119.7                                              | -6.4                                                      |
| 2021                |                  | 112.7                                             | -2.0                                                      | 113.5                                                          | 14.0                                                      | 96.7                                                                           | 8.4                                                       | 118.9                                              | -0.7                                                      |
| 2020                | Q1               | 121.3                                             | 6.6                                                       | 104.6                                                          | -2.7                                                      | 117.2                                                                          | -6.0                                                      | 110.2                                              | -7.5                                                      |
|                     | Q2               | 82.7                                              | -36.6                                                     | 49.7                                                           | -58.5                                                     | 61.1                                                                           | -53.6                                                     | 131.3                                              | 10.5                                                      |
|                     | Q3               | 134.2                                             | -0.9                                                      | 116.0                                                          | -11.2                                                     | 83.7                                                                           | -33.3                                                     | 128.2                                              | -2.7                                                      |
|                     | Q4               | 121.8                                             | 2.9                                                       | 127.8                                                          | 13.5                                                      | 94.7                                                                           | -26.4                                                     | 124.0                                              | -9.9                                                      |
| 2021                | Q1               | 112.6                                             | -7.2                                                      | 134.8                                                          | 28.8                                                      | 105.6                                                                          | -9.9                                                      | 108.6                                              | -1.5                                                      |
|                     | Q2               | 97.0                                              | 17.4                                                      | 90.9                                                           | 82.8                                                      | 106.1                                                                          | 73.5                                                      | 85.1                                               | -35.2                                                     |
|                     | Q3               | 106.0                                             | -21.0                                                     | 88.1                                                           | -24.0                                                     | 72.3                                                                           | -13.6                                                     | 113.9                                              | -11.1                                                     |
|                     | Q4               | 135.2                                             | 11.1                                                      | 140.2                                                          | 9.7                                                       | 102.8                                                                          | 8.6                                                       | 168.1                                              | 35.6                                                      |
| 2020                | Jan.             | 129.1                                             | 14.4                                                      | 114.6                                                          | 7.1                                                       | 148.5                                                                          | 12.4                                                      | 136.3                                              | 6.3                                                       |
|                     | Feb.             | 115.0                                             | 10.5                                                      | 114.2                                                          | 5.3                                                       | 98.3                                                                           | -13.8                                                     | 102.5                                              | 1.4                                                       |
|                     | Mar.             | 119.9                                             | -3.8                                                      | 85.1                                                           | -20.7                                                     | 104.8                                                                          | -18.0                                                     | 91.8                                               | -28.4                                                     |
|                     | Apr.             | 38.5                                              | -69.9                                                     | 30.0                                                           | -71.5                                                     | 48.6                                                                           | -62.7                                                     | 75.5                                               | -40.6                                                     |
|                     | May.             | 73.7                                              | -42.6                                                     | 30.7                                                           | -74.3                                                     | 63.2                                                                           | -52.5                                                     | 131.8                                              | -5.9                                                      |
|                     | Jun.             | 135.9                                             | 0.7                                                       | 88.5                                                           | -34.3                                                     | 71.6                                                                           | -45.8                                                     | 109.8                                              | -24.6                                                     |
|                     | Jul.             | 136.6                                             | -5.1                                                      | 103.8                                                          | -27.2                                                     | 81.8                                                                           | -37.6                                                     | 123.3                                              | -10.2                                                     |
|                     | Aug.             | 144.1                                             | 6.8                                                       | 110.4                                                          | -7.7                                                      | 86.2                                                                           | -27.7                                                     | 106.3                                              | -21.1                                                     |
|                     | Sep.             | 121.8                                             | -4.4                                                      | 133.6                                                          | 3.2                                                       | 83.0                                                                           | -34.2                                                     | 124.7                                              | 2.3                                                       |
|                     | Oct.             | 132.8                                             | 8.8                                                       | 122.8                                                          | 10.5                                                      | 86.2                                                                           | -33.4                                                     | 143.6                                              | 12.1                                                      |
|                     | Nov.             | 117.9                                             | 1.9                                                       | 125.0                                                          | 13.2                                                      | 99.8                                                                           | -20.8                                                     | 141.4                                              | 16.1                                                      |
|                     | Dec.             | 114.5                                             | -2.3                                                      | 135.5                                                          | 16.6                                                      | 98.1                                                                           | -24.9                                                     | 149.7                                              | 23.5                                                      |
| 2021                | Jan              | 117.4                                             | -9.1                                                      | 146.9                                                          | 28.2                                                      | 121.5                                                                          | -18.2                                                     | 154.7                                              | 13.5                                                      |
|                     | Feb              | 105.6                                             | -8.2                                                      | 138.2                                                          | 21.0                                                      | 85.5                                                                           | -13.0                                                     | 96.7                                               | -5.7                                                      |
|                     | Mar              | 114.8                                             | -4.2                                                      | 119.2                                                          | 40.1                                                      | 109.8                                                                          | 4.7                                                       | 74.3                                               | -19.1                                                     |
|                     | Apr              | 101.1                                             | 162.9                                                     | 98.2                                                           | 227.3                                                     | 112.3                                                                          | 131.1                                                     | 82.7                                               | 9.6                                                       |
|                     | May              | 96.4                                              | 30.8                                                      | 98.0                                                           | 218.9                                                     | 116.5                                                                          | 84.2                                                      | 95.8                                               | -27.3                                                     |
|                     | Jun              | 93.6                                              | -31.1                                                     | 76.5                                                           | -13.5                                                     | 89.5                                                                           | 25.0                                                      | 76.7                                               | -30.2                                                     |
|                     | Jul              | 101.9                                             | -25.4                                                     | 81.8                                                           | -21.2                                                     | 69.0                                                                           | -15.6                                                     | 56.8                                               | -53.9                                                     |
|                     | Aug              | 106.0                                             | -26.4                                                     | 77.2                                                           | -30.1                                                     | 73.3                                                                           | -15.0                                                     | 119.0                                              | 11.9                                                      |
|                     | Sep              | 109.9                                             | -9.7                                                      | 105.2                                                          | -21.2                                                     | 74.5                                                                           | -10.2                                                     | 166.1                                              | 33.2                                                      |
|                     | Oct              | 138.2                                             | 4.0                                                       | 120.3                                                          | -2.0                                                      | 102.6                                                                          | 19.0                                                      | 184.5                                              | 28.5                                                      |
|                     | Nov              | 141.8                                             | 20.3                                                      | 153.4                                                          | 22.7                                                      | 102.0                                                                          | 2.2                                                       | 153.8                                              | 8.7                                                       |
|                     | Dec              | 125.7                                             | 9.8                                                       | 146.8                                                          | 8.3                                                       | 103.8                                                                          | 5.8                                                       | 166.0                                              | 10.9                                                      |
| 2022                | Jan              | 138.2                                             | 17.7                                                      | 171.8                                                          | 16.9                                                      | 125.7                                                                          | 3.5                                                       | 197.7                                              | 27.8                                                      |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat       |                                                    | Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam |                                                    | Pembuatan bolt, skru, nat dan produk uliran seumpamanya                 |                                                    |
|---------------|------------------|------------------------------------------------------------------------------------|----------------------------------------------------|----------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------------------------------------------------------|----------------------------------------------------|
|               |                  | Indeks/ Index                                                                      | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                                                                | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                                           | % Perubahan tahun ke tahun/<br>change year-on-year |
|               |                  | <i>Manufacture of tins and cans for food products, collapsible tubes and boxes</i> |                                                    | <i>Manufacture of metal cable, plaited bands and similar articles</i>                        |                                                    | <i>Manufacture of bolts, screws, nuts and similar threaded products</i> |                                                    |
|               |                  | <b>Kod/ Codes</b>                                                                  | <b>25991</b>                                       | <b>25992</b>                                                                                 | <b>25993</b>                                       |                                                                         |                                                    |
|               |                  | <b>Wajaran/Weight 2015</b>                                                         | <b>0.41</b>                                        | <b>0.35</b>                                                                                  | <b>0.31</b>                                        |                                                                         |                                                    |
| 2019          |                  | 112.6                                                                              | 6.6                                                | 111.1                                                                                        | 0.2                                                | 121.9                                                                   | 7.4                                                |
| 2020          |                  | 88.0                                                                               | -21.8                                              | 90.4                                                                                         | -18.7                                              | 91.9                                                                    | -24.6                                              |
| 2021          |                  | 93.3                                                                               | 6.1                                                | 84.8                                                                                         | -6.1                                               | 109.0                                                                   | 18.6                                               |
| 2020          | Q1               | 106.3                                                                              | -1.6                                               | 109.4                                                                                        | -23.2                                              | 115.2                                                                   | 4.7                                                |
|               | Q2               | 58.3                                                                               | -46.8                                              | 59.1                                                                                         | -40.6                                              | 62.7                                                                    | -47.8                                              |
|               | Q3               | 87.9                                                                               | -25.7                                              | 100.3                                                                                        | 2.6                                                | 91.0                                                                    | -30.4                                              |
|               | Q4               | 99.5                                                                               | -13.2                                              | 92.6                                                                                         | -11.6                                              | 98.8                                                                    | -22.1                                              |
| 2021          | Q1               | 108.2                                                                              | 1.8                                                | 86.6                                                                                         | -20.8                                              | 112.9                                                                   | -2.0                                               |
|               | Q2               | 81.7                                                                               | 40.2                                               | 72.1                                                                                         | 22.1                                               | 104.0                                                                   | 65.9                                               |
|               | Q3               | 84.3                                                                               | -4.2                                               | 87.3                                                                                         | -13.0                                              | 109.0                                                                   | 19.7                                               |
|               | Q4               | 99.2                                                                               | -0.3                                               | 93.2                                                                                         | 0.6                                                | 110.2                                                                   | 11.6                                               |
| 2020          | Jan.             | 118.7                                                                              | 4.7                                                | 152.5                                                                                        | -32.9                                              | 138.7                                                                   | 9.4                                                |
|               | Feb.             | 111.2                                                                              | 9.4                                                | 95.3                                                                                         | -2.0                                               | 100.2                                                                   | 6.9                                                |
|               | Mar.             | 88.9                                                                               | -18.2                                              | 80.5                                                                                         | -21.6                                              | 106.7                                                                   | -2.5                                               |
|               | Apr.             | 51.4                                                                               | -52.9                                              | 28.5                                                                                         | -72.8                                              | 49.0                                                                    | -60.1                                              |
|               | May.             | 53.3                                                                               | -52.0                                              | 56.1                                                                                         | -43.2                                              | 54.1                                                                    | -55.8                                              |
|               | Jun.             | 70.1                                                                               | -35.3                                              | 92.6                                                                                         | -2.3                                               | 84.8                                                                    | -26.1                                              |
|               | Jul.             | 80.5                                                                               | -32.0                                              | 95.5                                                                                         | -6.5                                               | 95.9                                                                    | -26.5                                              |
|               | Aug.             | 85.5                                                                               | -27.8                                              | 109.5                                                                                        | 12.7                                               | 90.8                                                                    | -28.3                                              |
|               | Sep.             | 97.8                                                                               | -17.2                                              | 96.0                                                                                         | 2.2                                                | 86.4                                                                    | -36.1                                              |
|               | Oct.             | 97.1                                                                               | -17.2                                              | 93.1                                                                                         | -9.6                                               | 90.1                                                                    | -28.8                                              |
|               | Nov.             | 97.8                                                                               | -15.3                                              | 96.8                                                                                         | -8.2                                               | 103.6                                                                   | -18.8                                              |
|               | Dec.             | 103.7                                                                              | -6.6                                               | 87.9                                                                                         | -17.0                                              | 102.6                                                                   | -18.9                                              |
| 2021          | Jan              | 119.8                                                                              | 0.9                                                | 103.0                                                                                        | -32.5                                              | 128.1                                                                   | -7.7                                               |
|               | Feb              | 108.7                                                                              | -2.2                                               | 72.4                                                                                         | -24.1                                              | 94.2                                                                    | -6.1                                               |
|               | Mar              | 96.0                                                                               | 8.0                                                | 84.5                                                                                         | 5.0                                                | 116.4                                                                   | 9.1                                                |
|               | Apr              | 83.0                                                                               | 61.5                                               | 76.7                                                                                         | 169.1                                              | 110.5                                                                   | 125.2                                              |
|               | May              | 81.6                                                                               | 53.1                                               | 69.3                                                                                         | 23.5                                               | 113.6                                                                   | 109.9                                              |
|               | Jun              | 80.4                                                                               | 14.7                                               | 70.4                                                                                         | -23.9                                              | 87.8                                                                    | 3.6                                                |
|               | Jul              | 72.8                                                                               | -9.6                                               | 79.4                                                                                         | -16.9                                              | 101.3                                                                   | 5.6                                                |
|               | Aug              | 81.0                                                                               | -5.3                                               | 90.6                                                                                         | -17.3                                              | 112.3                                                                   | 23.6                                               |
|               | Sep              | 99.1                                                                               | 1.3                                                | 92.0                                                                                         | -4.2                                               | 113.3                                                                   | 31.1                                               |
|               | Oct              | 96.6                                                                               | -0.5                                               | 91.3                                                                                         | -1.9                                               | 112.0                                                                   | 24.3                                               |
|               | Nov              | 102.3                                                                              | 4.6                                                | 94.9                                                                                         | -2.0                                               | 109.7                                                                   | 5.9                                                |
|               | Dec              | 98.7                                                                               | -4.8                                               | 93.3                                                                                         | 6.2                                                | 108.9                                                                   | 6.2                                                |
| 2022          | Jan              | 106.8                                                                              | -10.9                                              | 100.8                                                                                        | -2.1                                               | 124.0                                                                   | -3.2                                               |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                                        | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                   | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                 | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|----------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan produk lain yang<br>direka daripada logam t.t.t.l.         |                                                           | Pembuatan diod, transistor dan<br>alatan semikonduktor yang<br>seumpamanya      |                                                           | Pembuatan litar elektronik<br>bersepadu dengan pemasangan<br>mikro            |                                                           |
|                     |                  | <i>Manufacture of any other<br/>fabricated metal products n.e.c.</i> |                                                           | <i>Manufacture of diodes, transistors<br/>and similar semiconductor devices</i> |                                                           | <i>Manufacture of electronic<br/>integrated circuits micro<br/>assemblies</i> |                                                           |
| Kod/ Codes          |                  | 25999                                                                |                                                           | 26101                                                                           |                                                           | 26102                                                                         |                                                           |
| Wajaran/Weight 2015 |                  | 0.45                                                                 |                                                           | 3.25                                                                            |                                                           | 1.76                                                                          |                                                           |
| 2019                |                  | 121.6                                                                | 0.2                                                       | 135.5                                                                           | 3.3                                                       | 151.6                                                                         | 4.9                                                       |
| 2020                |                  | 110.5                                                                | -9.2                                                      | 132.9                                                                           | -1.9                                                      | 158.8                                                                         | 4.8                                                       |
| 2021                |                  | 122.2                                                                | 10.6                                                      | 155.2                                                                           | 16.8                                                      | 174.6                                                                         | 10.0                                                      |
| 2020                | Q1               | 121.9                                                                | 5.7                                                       | 128.7                                                                           | 9.5                                                       | 125.9                                                                         | -3.9                                                      |
|                     | Q2               | 82.8                                                                 | -34.5                                                     | 117.3                                                                           | -10.6                                                     | 133.0                                                                         | -14.4                                                     |
|                     | Q3               | 114.8                                                                | -10.8                                                     | 142.2                                                                           | -1.9                                                      | 186.2                                                                         | 12.4                                                      |
|                     | Q4               | 122.5                                                                | 5.3                                                       | 143.4                                                                           | -3.3                                                      | 190.1                                                                         | 23.3                                                      |
| 2021                | Q1               | 135.0                                                                | 10.8                                                      | 132.3                                                                           | 2.8                                                       | 154.3                                                                         | 22.6                                                      |
|                     | Q2               | 114.6                                                                | 38.5                                                      | 151.7                                                                           | 29.3                                                      | 204.8                                                                         | 54.0                                                      |
|                     | Q3               | 109.5                                                                | -4.6                                                      | 158.6                                                                           | 11.6                                                      | 163.6                                                                         | -12.2                                                     |
|                     | Q4               | 129.8                                                                | 5.9                                                       | 178.0                                                                           | 24.2                                                      | 175.9                                                                         | -7.5                                                      |
| 2020                | Jan.             | 133.4                                                                | 12.9                                                      | 137.6                                                                           | 12.8                                                      | 137.5                                                                         | -2.2                                                      |
|                     | Feb.             | 110.2                                                                | 10.1                                                      | 119.0                                                                           | 13.2                                                      | 104.3                                                                         | 5.4                                                       |
|                     | Mar.             | 122.1                                                                | -4.3                                                      | 129.4                                                                           | 3.1                                                       | 135.9                                                                         | -11.3                                                     |
|                     | Apr.             | 76.6                                                                 | -38.9                                                     | 79.3                                                                            | -34.8                                                     | 108.8                                                                         | -28.6                                                     |
|                     | May.             | 77.3                                                                 | -38.4                                                     | 98.9                                                                            | -22.4                                                     | 118.7                                                                         | -22.3                                                     |
|                     | Jun.             | 94.4                                                                 | -26.2                                                     | 173.6                                                                           | 20.0                                                      | 171.3                                                                         | 6.6                                                       |
|                     | Jul.             | 101.5                                                                | -24.0                                                     | 152.1                                                                           | 0.0                                                       | 189.4                                                                         | 10.1                                                      |
|                     | Aug.             | 103.9                                                                | -21.1                                                     | 138.7                                                                           | -2.7                                                      | 188.6                                                                         | 11.4                                                      |
|                     | Sep.             | 139.0                                                                | 15.1                                                      | 135.7                                                                           | -3.2                                                      | 180.7                                                                         | 15.9                                                      |
|                     | Oct.             | 132.9                                                                | 8.6                                                       | 148.6                                                                           | -2.6                                                      | 203.6                                                                         | 20.9                                                      |
|                     | Nov.             | 115.5                                                                | -3.2                                                      | 145.7                                                                           | -1.4                                                      | 179.7                                                                         | 20.5                                                      |
|                     | Dec.             | 119.1                                                                | 11.1                                                      | 135.8                                                                           | -6.1                                                      | 187.0                                                                         | 28.8                                                      |
| 2021                | Jan              | 144.5                                                                | 8.4                                                       | 131.1                                                                           | -4.7                                                      | 175.3                                                                         | 27.5                                                      |
|                     | Feb              | 113.4                                                                | 2.9                                                       | 125.9                                                                           | 5.8                                                       | 124.4                                                                         | 19.3                                                      |
|                     | Mar              | 147.3                                                                | 20.6                                                      | 140.0                                                                           | 8.2                                                       | 163.2                                                                         | 20.1                                                      |
|                     | Apr              | 132.5                                                                | 72.9                                                      | 139.9                                                                           | 76.4                                                      | 187.3                                                                         | 72.1                                                      |
|                     | May              | 120.2                                                                | 55.5                                                      | 140.2                                                                           | 41.8                                                      | 191.7                                                                         | 61.4                                                      |
|                     | Jun              | 91.1                                                                 | -3.5                                                      | 174.9                                                                           | 0.8                                                       | 235.5                                                                         | 37.4                                                      |
|                     | Jul              | 93.7                                                                 | -7.7                                                      | 153.0                                                                           | 0.6                                                       | 174.9                                                                         | -7.7                                                      |
|                     | Aug              | 93.7                                                                 | -9.8                                                      | 156.0                                                                           | 12.5                                                      | 177.9                                                                         | -5.7                                                      |
|                     | Sep              | 141.0                                                                | 1.4                                                       | 166.9                                                                           | 23.0                                                      | 137.9                                                                         | -23.7                                                     |
|                     | Oct              | 132.2                                                                | -0.5                                                      | 177.5                                                                           | 19.5                                                      | 171.7                                                                         | -15.7                                                     |
|                     | Nov              | 134.4                                                                | 16.4                                                      | 183.1                                                                           | 25.7                                                      | 169.2                                                                         | -5.8                                                      |
|                     | Dec              | 122.6                                                                | 3.0                                                       | 173.5                                                                           | 27.8                                                      | 186.7                                                                         | -0.2                                                      |
| 2022                | Jan              | 145.5                                                                | 0.7                                                       | 162.5                                                                           | 24.0                                                      | 167.2                                                                         | -4.7                                                      |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan kapasitor dan perintang elektrik                |                                                    | Pembuatan papan litar bercetak               |                                                    | Pembuatan komponen paparan               |                                                    |
|---------------|------------------|-----------------------------------------------------------|----------------------------------------------------|----------------------------------------------|----------------------------------------------------|------------------------------------------|----------------------------------------------------|
|               |                  | Indeks/ Index                                             | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                            | % Perubahan tahun ke tahun/<br>change year-on-year |
|               |                  | <i>Manufacture of electrical capacitors and resistors</i> |                                                    | <i>Manufacture of printed circuit boards</i> |                                                    | <i>Manufacture of display components</i> |                                                    |
|               |                  | <b>Kod/ Codes</b>                                         | <b>26103</b>                                       | <b>26104</b>                                 |                                                    | <b>26105</b>                             |                                                    |
|               |                  | <b>Wajaran/Weight 2015</b>                                | <b>0.29</b>                                        | <b>2.19</b>                                  |                                                    | <b>0.01</b>                              |                                                    |
| 2019          |                  | 135.8                                                     | 2.2                                                | 133.0                                        | -1.7                                               | 111.1                                    | 5.2                                                |
| 2020          |                  | 168.5                                                     | 24.1                                               | 144.5                                        | 8.7                                                | 132.2                                    | 19.0                                               |
| 2021          |                  | 179.3                                                     | 6.4                                                | 182.2                                        | 26.1                                               | 120.9                                    | -8.5                                               |
| 2020          | Q1               | 118.4                                                     | 6.0                                                | 127.1                                        | 6.7                                                | 110.5                                    | 4.7                                                |
|               | Q2               | 152.5                                                     | 23.1                                               | 130.2                                        | -7.6                                               | 125.1                                    | 15.1                                               |
|               | Q3               | 192.9                                                     | 34.5                                               | 167.0                                        | 26.7                                               | 144.3                                    | 27.9                                               |
|               | Q4               | 210.0                                                     | 28.1                                               | 153.7                                        | 9.7                                                | 148.7                                    | 26.9                                               |
| 2021          | Q1               | 154.9                                                     | 30.8                                               | 141.3                                        | 11.1                                               | 127.7                                    | 15.6                                               |
|               | Q2               | 164.7                                                     | 8.0                                                | 169.0                                        | 29.9                                               | 117.7                                    | -5.9                                               |
|               | Q3               | 181.1                                                     | -6.1                                               | 197.6                                        | 18.3                                               | 116.1                                    | -19.6                                              |
|               | Q4               | 216.5                                                     | 3.1                                                | 221.0                                        | 43.8                                               | 122.1                                    | -17.9                                              |
| 2020          | Jan.             | 131.7                                                     | 19.5                                               | 144.0                                        | 6.7                                                | 116.3                                    | 9.8                                                |
|               | Feb.             | 111.8                                                     | 9.1                                                | 115.4                                        | 15.0                                               | 103.6                                    | 5.2                                                |
|               | Mar.             | 111.7                                                     | -8.8                                               | 122.0                                        | -0.1                                               | 111.5                                    | -0.7                                               |
|               | Apr.             | 109.2                                                     | -7.9                                               | 96.6                                         | -23.3                                              | 114.6                                    | 10.3                                               |
|               | May.             | 158.1                                                     | 28.4                                               | 127.0                                        | -7.4                                               | 117.2                                    | 5.0                                                |
|               | Jun.             | 190.2                                                     | 46.3                                               | 166.9                                        | 4.6                                                | 143.6                                    | 29.9                                               |
|               | Jul.             | 199.4                                                     | 37.7                                               | 183.5                                        | 39.8                                               | 153.0                                    | 35.7                                               |
|               | Aug.             | 189.9                                                     | 32.4                                               | 138.3                                        | 18.0                                               | 144.7                                    | 28.2                                               |
|               | Sep.             | 189.5                                                     | 33.3                                               | 179.2                                        | 22.0                                               | 135.3                                    | 19.7                                               |
|               | Oct.             | 209.8                                                     | 26.3                                               | 163.5                                        | 12.8                                               | 148.5                                    | 30.9                                               |
|               | Nov.             | 216.5                                                     | 30.6                                               | 148.5                                        | 16.4                                               | 151.2                                    | 24.3                                               |
|               | Dec.             | 203.8                                                     | 27.2                                               | 149.2                                        | 0.8                                                | 146.5                                    | 25.8                                               |
| 2021          | Jan              | 178.3                                                     | 35.4                                               | 146.4                                        | 1.7                                                | 141.3                                    | 21.6                                               |
|               | Feb              | 141.9                                                     | 26.9                                               | 136.2                                        | 18.0                                               | 121.6                                    | 17.4                                               |
|               | Mar              | 144.4                                                     | 29.3                                               | 141.1                                        | 15.6                                               | 120.1                                    | 7.7                                                |
|               | Apr              | 144.6                                                     | 32.4                                               | 156.6                                        | 62.1                                               | 114.7                                    | 0.1                                                |
|               | May              | 192.0                                                     | 21.5                                               | 153.5                                        | 20.8                                               | 121.1                                    | 3.3                                                |
|               | Jun              | 157.5                                                     | -17.2                                              | 197.0                                        | 18.0                                               | 117.3                                    | -18.3                                              |
|               | Jul              | 222.8                                                     | 11.7                                               | 168.0                                        | -8.4                                               | 111.7                                    | -27.0                                              |
|               | Aug              | 147.7                                                     | -22.2                                              | 195.1                                        | 41.1                                               | 115.8                                    | -20.0                                              |
|               | Sep              | 172.9                                                     | -8.8                                               | 229.7                                        | 28.2                                               | 120.8                                    | -10.7                                              |
|               | Oct              | 221.3                                                     | 5.5                                                | 217.5                                        | 33.0                                               | 114.0                                    | -23.2                                              |
|               | Nov              | 215.4                                                     | -0.5                                               | 220.1                                        | 48.3                                               | 127.0                                    | -16.0                                              |
|               | Dec              | 212.7                                                     | 4.3                                                | 225.4                                        | 51.0                                               | 125.2                                    | -14.5                                              |
| 2022          | Jan              | 182.6                                                     | 2.5                                                | 202.6                                        | 38.4                                               | 127.1                                    | -10.1                                              |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan komponen lain untuk<br>aplikasi elektronik           |                                                           | Pembuatan komputer       |                                                           | Pembuatan kelengkapan peranti          |                                                           |
|---------------|------------------|----------------------------------------------------------------|-----------------------------------------------------------|--------------------------|-----------------------------------------------------------|----------------------------------------|-----------------------------------------------------------|
|               |                  | Indeks/ Index                                                  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index            | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                          | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|               |                  | Manufacture of other components<br>for electronic applications |                                                           | Manufacture of computers |                                                           | Manufacture of peripheral<br>equipment |                                                           |
|               |                  | Kod/ Codes                                                     | 26109                                                     | 26201                    | 26201                                                     | 26202                                  |                                                           |
|               |                  | Wajaran/Weight 2015                                            | 0.19                                                      | 0.66                     | 0.66                                                      | 1.16                                   |                                                           |
| 2019          |                  | 120.0                                                          | 2.0                                                       | 107.6                    | 5.0                                                       | 104.5                                  | 4.8                                                       |
| 2020          |                  | 122.2                                                          | 1.8                                                       | 111.5                    | 3.7                                                       | 100.0                                  | -4.3                                                      |
| 2021          |                  | 107.4                                                          | -12.1                                                     | 113.2                    | 1.5                                                       | 121.7                                  | 21.8                                                      |
| 2020          | Q1               | 122.6                                                          | 3.1                                                       | 95.6                     | -5.2                                                      | 96.1                                   | -7.3                                                      |
|               | Q2               | 131.8                                                          | 10.7                                                      | 107.3                    | -7.4                                                      | 81.4                                   | -26.7                                                     |
|               | Q3               | 119.5                                                          | 2.3                                                       | 128.0                    | 16.8                                                      | 116.6                                  | 9.8                                                       |
|               | Q4               | 114.7                                                          | -8.5                                                      | 115.0                    | 10.8                                                      | 105.8                                  | 8.9                                                       |
| 2021          | Q1               | 107.2                                                          | -12.6                                                     | 107.9                    | 12.9                                                      | 103.5                                  | 7.7                                                       |
|               | Q2               | 105.5                                                          | -20.0                                                     | 104.0                    | -3.1                                                      | 134.6                                  | 65.3                                                      |
|               | Q3               | 103.1                                                          | -13.7                                                     | 123.9                    | -3.2                                                      | 126.3                                  | 8.3                                                       |
|               | Q4               | 113.7                                                          | -0.8                                                      | 117.0                    | 1.8                                                       | 122.5                                  | 15.9                                                      |
| 2020          | Jan.             | 135.2                                                          | 16.3                                                      | 104.8                    | -3.7                                                      | 99.6                                   | -6.0                                                      |
|               | Feb.             | 124.1                                                          | 7.6                                                       | 92.3                     | 0.2                                                       | 92.1                                   | -7.7                                                      |
|               | Mar.             | 108.5                                                          | -13.4                                                     | 89.7                     | -11.8                                                     | 96.6                                   | -8.3                                                      |
|               | Apr.             | 100.2                                                          | -14.4                                                     | 83.2                     | -29.0                                                     | 35.3                                   | -65.7                                                     |
|               | May.             | 142.7                                                          | 19.9                                                      | 106.9                    | -10.2                                                     | 83.5                                   | -26.3                                                     |
|               | Jun.             | 152.6                                                          | 26.0                                                      | 131.9                    | 18.0                                                      | 125.4                                  | 7.2                                                       |
|               | Jul.             | 126.0                                                          | 5.0                                                       | 148.3                    | 18.2                                                      | 114.7                                  | 12.0                                                      |
|               | Aug.             | 119.9                                                          | -2.2                                                      | 121.4                    | 9.1                                                       | 123.8                                  | 8.0                                                       |
|               | Sep.             | 112.4                                                          | 4.5                                                       | 114.4                    | 24.1                                                      | 111.3                                  | 9.6                                                       |
|               | Oct.             | 111.2                                                          | -7.0                                                      | 132.0                    | 18.8                                                      | 115.7                                  | 1.7                                                       |
|               | Nov.             | 120.7                                                          | -3.4                                                      | 108.5                    | 2.8                                                       | 100.0                                  | 15.1                                                      |
|               | Dec.             | 112.3                                                          | -14.8                                                     | 104.3                    | 10.4                                                      | 101.6                                  | 12.2                                                      |
| 2021          | Jan              | 102.1                                                          | -24.5                                                     | 116.3                    | 11.0                                                      | 99.4                                   | -0.2                                                      |
|               | Feb              | 110.0                                                          | -11.4                                                     | 99.6                     | 7.9                                                       | 93.8                                   | 1.8                                                       |
|               | Mar              | 109.5                                                          | 0.9                                                       | 107.9                    | 20.3                                                      | 117.3                                  | 21.4                                                      |
|               | Apr              | 107.1                                                          | 6.8                                                       | 94.9                     | 14.1                                                      | 133.7                                  | 279.0                                                     |
|               | May              | 110.4                                                          | -22.6                                                     | 90.8                     | -15.0                                                     | 118.4                                  | 41.8                                                      |
|               | Jun              | 99.0                                                           | -35.1                                                     | 126.2                    | -4.3                                                      | 151.6                                  | 20.9                                                      |
|               | Jul              | 99.8                                                           | -20.8                                                     | 135.4                    | -8.7                                                      | 128.9                                  | 12.4                                                      |
|               | Aug              | 102.1                                                          | -14.9                                                     | 116.0                    | -4.5                                                      | 135.4                                  | 9.4                                                       |
|               | Sep              | 107.3                                                          | -4.5                                                      | 120.4                    | 5.2                                                       | 114.5                                  | 2.9                                                       |
|               | Oct              | 111.7                                                          | 0.5                                                       | 137.1                    | 3.9                                                       | 133.1                                  | 15.0                                                      |
|               | Nov              | 115.5                                                          | -4.3                                                      | 104.5                    | -3.8                                                      | 115.6                                  | 15.6                                                      |
|               | Dec              | 114.0                                                          | 1.6                                                       | 109.4                    | 4.8                                                       | 118.9                                  | 17.1                                                      |
| 2022          | Jan              | 112.8                                                          | 10.5                                                      | 122.0                    | 4.9                                                       | 118.7                                  | 19.4                                                      |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

|                     |                  | Indeks/ Index                             | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                          | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                             | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|-------------------------------------------|-----------------------------------------------------------|----------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan peralatan komunikasi            |                                                           | Pembuatan elektronik pengguna          |                                                           | Pembuatan kelengkapan<br>mengukur, menguji, memandu<br>arah dan kawalan   |                                                           |
| Tahun<br>Year       | Tempoh<br>Period | Manufacture of communication<br>equipment |                                                           | Manufacture of consumer<br>electronics |                                                           | Manufacture of measuring,<br>testing, navigating and control<br>equipment |                                                           |
| Kod/ Codes          |                  | 26300                                     |                                                           | 26400                                  |                                                           | 26511                                                                     |                                                           |
| Wajaran/Weight 2015 |                  | 0.91                                      |                                                           | 2.43                                   |                                                           | 0.39                                                                      |                                                           |
| 2019                |                  | 116.6                                     | 5.4                                                       | 119.8                                  | 5.0                                                       | 121.8                                                                     | -1.2                                                      |
| 2020                |                  | 111.2                                     | -4.6                                                      | 125.4                                  | 4.7                                                       | 115.3                                                                     | -5.4                                                      |
| 2021                |                  | 97.2                                      | -12.6                                                     | 155.9                                  | 24.3                                                      | 139.5                                                                     | 21.0                                                      |
| 2020                | Q1               | 106.7                                     | 0.8                                                       | 110.0                                  | -1.1                                                      | 108.7                                                                     | 2.3                                                       |
|                     | Q2               | 93.5                                      | -20.2                                                     | 95.2                                   | -12.6                                                     | 81.1                                                                      | -25.0                                                     |
|                     | Q3               | 118.3                                     | -0.5                                                      | 145.8                                  | 10.6                                                      | 132.9                                                                     | 2.0                                                       |
|                     | Q4               | 126.4                                     | 1.5                                                       | 150.6                                  | 18.3                                                      | 138.3                                                                     | -2.9                                                      |
| 2021                | Q1               | 107.5                                     | 0.7                                                       | 138.6                                  | 26.0                                                      | 116.9                                                                     | 7.6                                                       |
|                     | Q2               | 81.2                                      | -13.1                                                     | 120.2                                  | 26.2                                                      | 130.6                                                                     | 61.0                                                      |
|                     | Q3               | 96.5                                      | -18.4                                                     | 177.3                                  | 21.6                                                      | 144.7                                                                     | 8.9                                                       |
|                     | Q4               | 103.6                                     | -18.0                                                     | 187.5                                  | 24.6                                                      | 165.7                                                                     | 19.8                                                      |
| 2020                | Jan.             | 126.0                                     | 6.1                                                       | 134.1                                  | -5.9                                                      | 117.9                                                                     | 15.9                                                      |
|                     | Feb.             | 103.9                                     | 6.9                                                       | 101.5                                  | 5.6                                                       | 105.6                                                                     | 5.5                                                       |
|                     | Mar.             | 90.3                                      | -11.3                                                     | 94.4                                   | -0.9                                                      | 102.5                                                                     | -12.3                                                     |
|                     | Apr.             | 44.1                                      | -60.3                                                     | 56.4                                   | -45.4                                                     | 13.2                                                                      | -86.9                                                     |
|                     | May.             | 93.3                                      | -20.9                                                     | 107.3                                  | -2.7                                                      | 93.8                                                                      | -8.6                                                      |
|                     | Jun.             | 143.0                                     | 16.8                                                      | 122.1                                  | 7.7                                                       | 136.2                                                                     | 12.6                                                      |
|                     | Jul.             | 138.6                                     | 4.0                                                       | 125.2                                  | -3.7                                                      | 129.5                                                                     | -2.4                                                      |
|                     | Aug.             | 100.8                                     | 3.1                                                       | 143.3                                  | 14.5                                                      | 128.0                                                                     | 1.6                                                       |
|                     | Sep.             | 115.5                                     | -8.0                                                      | 168.9                                  | 20.5                                                      | 141.2                                                                     | 6.8                                                       |
|                     | Oct.             | 138.8                                     | 7.6                                                       | 143.0                                  | 11.9                                                      | 128.1                                                                     | -4.2                                                      |
|                     | Nov.             | 118.7                                     | 5.7                                                       | 145.7                                  | 13.0                                                      | 141.0                                                                     | -0.4                                                      |
|                     | Dec.             | 121.8                                     | -7.9                                                      | 163.0                                  | 30.1                                                      | 145.8                                                                     | -4.1                                                      |
| 2021                | Jan              | 128.6                                     | 2.1                                                       | 171.4                                  | 27.9                                                      | 113.2                                                                     | -4.0                                                      |
|                     | Feb              | 109.2                                     | 5.1                                                       | 126.3                                  | 24.5                                                      | 116.9                                                                     | 10.6                                                      |
|                     | Mar              | 84.6                                      | -6.3                                                      | 118.0                                  | 25.0                                                      | 120.7                                                                     | 17.7                                                      |
|                     | Apr              | 73.0                                      | 65.5                                                      | 111.0                                  | 96.8                                                      | 109.8                                                                     | 728.7                                                     |
|                     | May              | 77.8                                      | -16.6                                                     | 112.7                                  | 5.0                                                       | 122.4                                                                     | 30.5                                                      |
|                     | Jun              | 92.8                                      | -35.1                                                     | 137.0                                  | 12.2                                                      | 159.5                                                                     | 17.1                                                      |
|                     | Jul              | 107.7                                     | -22.3                                                     | 141.8                                  | 13.3                                                      | 138.0                                                                     | 6.5                                                       |
|                     | Aug              | 83.8                                      | -16.8                                                     | 168.8                                  | 17.8                                                      | 143.0                                                                     | 11.8                                                      |
|                     | Sep              | 98.0                                      | -15.1                                                     | 221.4                                  | 31.0                                                      | 153.0                                                                     | 8.4                                                       |
|                     | Oct              | 109.4                                     | -21.2                                                     | 189.8                                  | 32.7                                                      | 150.1                                                                     | 17.2                                                      |
|                     | Nov              | 101.5                                     | -14.5                                                     | 180.0                                  | 23.6                                                      | 170.5                                                                     | 20.9                                                      |
|                     | Dec              | 100.0                                     | -17.9                                                     | 192.8                                  | 18.3                                                      | 176.4                                                                     | 21.0                                                      |
| 2022                | Jan              | 107.9                                     | -16.2                                                     | 207.0                                  | 20.8                                                      | 144.6                                                                     | 27.7                                                      |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan jam tangan dan jam<br>dan bahagiannya |                                                           | Pembuatan peralatan penyinaran,<br>perubatan elektro dan<br>elektroterapeutik      |                                                           | Pembuatan instrumen dan<br>kelengkapan optikal      |                                                           |
|---------------|------------------|-------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|
|               |                  | Indeks/ Index                                   | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|               |                  | Manufacture of watches and clocks<br>and parts  |                                                           | Manufacture of irradiation, electro<br>medical and electrotherapeutic<br>equipment |                                                           | Manufacture of optical<br>instruments and equipment |                                                           |
|               |                  | Kod/ Codes                                      | 26520                                                     |                                                                                    | 26600                                                     |                                                     | 26701                                                     |
|               |                  | Wajaran/Weight 2015                             | 0.13                                                      |                                                                                    | 0.40                                                      |                                                     | 0.04                                                      |
| 2019          |                  | 110.0                                           | -0.1                                                      | 115.3                                                                              | 0.0                                                       | 124.2                                               | 1.9                                                       |
| 2020          |                  | 122.3                                           | 11.2                                                      | 121.4                                                                              | 5.2                                                       | 106.2                                               | -14.5                                                     |
| 2021          |                  | 103.4                                           | -15.4                                                     | 132.6                                                                              | 9.2                                                       | 111.8                                               | 5.2                                                       |
| 2020          | Q1               | 113.2                                           | 1.7                                                       | 116.0                                                                              | 6.0                                                       | 104.3                                               | -15.3                                                     |
|               | Q2               | 115.0                                           | 6.0                                                       | 120.5                                                                              | 11.1                                                      | 112.9                                               | -11.0                                                     |
|               | Q3               | 131.2                                           | 18.7                                                      | 135.1                                                                              | 2.4                                                       | 105.1                                               | -15.6                                                     |
|               | Q4               | 129.6                                           | 18.2                                                      | 113.8                                                                              | 2.2                                                       | 102.5                                               | -16.1                                                     |
| 2021          | Q1               | 125.4                                           | 10.8                                                      | 123.8                                                                              | 6.8                                                       | 106.7                                               | 2.3                                                       |
|               | Q2               | 103.9                                           | -9.7                                                      | 139.8                                                                              | 16.0                                                      | 106.7                                               | -5.5                                                      |
|               | Q3               | 98.2                                            | -25.1                                                     | 132.3                                                                              | -2.1                                                      | 126.6                                               | 20.5                                                      |
|               | Q4               | 86.0                                            | -33.6                                                     | 134.3                                                                              | 18.1                                                      | 107.1                                               | 4.5                                                       |
| 2020          | Jan.             | 110.4                                           | -1.6                                                      | 107.9                                                                              | 3.6                                                       | 123.4                                               | 0.9                                                       |
|               | Feb.             | 115.1                                           | 3.4                                                       | 118.4                                                                              | 10.9                                                      | 100.0                                               | -14.7                                                     |
|               | Mar.             | 114.2                                           | 3.4                                                       | 121.6                                                                              | 3.8                                                       | 89.6                                                | -31.1                                                     |
|               | Apr.             | 94.4                                            | -10.6                                                     | 104.3                                                                              | 1.2                                                       | 96.8                                                | -25.3                                                     |
|               | May.             | 132.4                                           | 16.9                                                      | 111.0                                                                              | 1.2                                                       | 106.3                                               | -13.1                                                     |
|               | Jun.             | 118.2                                           | 10.9                                                      | 146.3                                                                              | 29.8                                                      | 135.5                                               | 5.3                                                       |
|               | Jul.             | 144.3                                           | 22.9                                                      | 141.8                                                                              | 3.1                                                       | 107.7                                               | -15.3                                                     |
|               | Aug.             | 131.3                                           | 17.3                                                      | 155.7                                                                              | 5.5                                                       | 108.6                                               | -15.7                                                     |
|               | Sep.             | 117.9                                           | 15.4                                                      | 107.9                                                                              | -2.7                                                      | 99.1                                                | -15.8                                                     |
|               | Oct.             | 131.4                                           | 25.7                                                      | 124.0                                                                              | -4.4                                                      | 89.8                                                | -21.7                                                     |
|               | Nov.             | 132.8                                           | 18.3                                                      | 107.3                                                                              | 2.6                                                       | 100.0                                               | -20.4                                                     |
|               | Dec.             | 124.6                                           | 11.2                                                      | 110.1                                                                              | 10.2                                                      | 117.7                                               | -6.6                                                      |
| 2021          | Jan              | 130.8                                           | 18.5                                                      | 115.2                                                                              | 6.8                                                       | 134.7                                               | 9.2                                                       |
|               | Feb              | 123.6                                           | 7.4                                                       | 119.1                                                                              | 0.7                                                       | 96.2                                                | -3.8                                                      |
|               | Mar              | 121.9                                           | 6.8                                                       | 137.1                                                                              | 12.7                                                      | 89.1                                                | -0.5                                                      |
|               | Apr              | 102.2                                           | 8.3                                                       | 132.3                                                                              | 26.9                                                      | 106.1                                               | 9.5                                                       |
|               | May              | 100.2                                           | -24.3                                                     | 130.7                                                                              | 17.8                                                      | 112.1                                               | 5.5                                                       |
|               | Jun              | 109.1                                           | -7.7                                                      | 156.3                                                                              | 6.9                                                       | 101.9                                               | -24.8                                                     |
|               | Jul              | 113.2                                           | -21.6                                                     | 137.0                                                                              | -3.4                                                      | 124.9                                               | 15.9                                                      |
|               | Aug              | 90.7                                            | -31.0                                                     | 134.1                                                                              | -13.8                                                     | 133.5                                               | 23.0                                                      |
|               | Sep              | 90.9                                            | -22.9                                                     | 125.8                                                                              | 16.6                                                      | 121.5                                               | 22.6                                                      |
|               | Oct              | 89.8                                            | -31.7                                                     | 144.3                                                                              | 16.3                                                      | 103.5                                               | 15.2                                                      |
|               | Nov              | 87.1                                            | -34.4                                                     | 126.3                                                                              | 17.7                                                      | 103.9                                               | 3.9                                                       |
|               | Dec              | 81.3                                            | -34.8                                                     | 132.4                                                                              | 20.3                                                      | 113.8                                               | -3.3                                                      |
| 2022          | Jan              | 78.2                                            | -40.3                                                     | 127.9                                                                              | 11.0                                                      | 123.2                                               | -8.6                                                      |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

|                     |                  | Indeks/ Index                            | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                    | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------|-----------------------------------------------------------|
|                     |                  |                                          |                                                           |                                                                |                                                           |                                                                  |                                                           |
| Tahun<br>Year       | Tempoh<br>Period | Pembuatan peralatan fotografi            |                                                           | Pembuatan motor elektrik,<br>penjana dan transformer           |                                                           | Pembuatan perkakasan<br>pengagihan dan pengawalan<br>elektrik    |                                                           |
|                     |                  | Manufacture of photographic<br>equipment |                                                           | Manufacture of electric motors,<br>generators and transformers |                                                           | Manufacture of electricity<br>distribution and control apparatus |                                                           |
| Kod/ Codes          |                  | 26702                                    |                                                           | 27101                                                          |                                                           | 27102                                                            |                                                           |
| Wajaran/Weight 2015 |                  | 0.05                                     |                                                           | 0.21                                                           |                                                           | 0.44                                                             |                                                           |
| 2019                |                  | 100.2                                    | -14.0                                                     | 125.5                                                          | 1.3                                                       | 103.6                                                            | -1.8                                                      |
| 2020                |                  | 76.3                                     | -23.8                                                     | 135.0                                                          | 7.6                                                       | 102.0                                                            | -1.5                                                      |
| 2021                |                  | 63.5                                     | -16.8                                                     | 141.8                                                          | 5.1                                                       | 107.5                                                            | 5.4                                                       |
| 2020                | Q1               | 95.4                                     | -20.8                                                     | 130.1                                                          | -0.1                                                      | 101.5                                                            | -5.0                                                      |
|                     | Q2               | 70.7                                     | -35.7                                                     | 137.4                                                          | 5.1                                                       | 103.4                                                            | -0.7                                                      |
|                     | Q3               | 63.3                                     | -19.2                                                     | 144.8                                                          | 22.0                                                      | 94.2                                                             | -2.6                                                      |
|                     | Q4               | 75.8                                     | -17.5                                                     | 127.6                                                          | 4.4                                                       | 109.0                                                            | 2.1                                                       |
| 2021                | Q1               | 65.2                                     | -31.7                                                     | 128.6                                                          | -1.1                                                      | 102.6                                                            | 1.0                                                       |
|                     | Q2               | 61.6                                     | -12.9                                                     | 130.9                                                          | -4.8                                                      | 117.8                                                            | 14.0                                                      |
|                     | Q3               | 67.2                                     | 6.2                                                       | 148.3                                                          | 2.4                                                       | 101.5                                                            | 7.8                                                       |
|                     | Q4               | 60.1                                     | -20.7                                                     | 159.6                                                          | 25.1                                                      | 108.3                                                            | -0.6                                                      |
| 2020                | Jan.             | 87.0                                     | -9.8                                                      | 133.7                                                          | -1.2                                                      | 109.7                                                            | 0.8                                                       |
|                     | Feb.             | 107.7                                    | -6.9                                                      | 133.2                                                          | 9.7                                                       | 93.8                                                             | -11.9                                                     |
|                     | Mar.             | 91.5                                     | -38.8                                                     | 123.3                                                          | -7.8                                                      | 101.1                                                            | -3.8                                                      |
|                     | Apr.             | 73.3                                     | -38.6                                                     | 143.4                                                          | 7.2                                                       | 97.0                                                             | -9.6                                                      |
|                     | May.             | 100.0                                    | -13.6                                                     | 120.4                                                          | -7.4                                                      | 104.3                                                            | 2.0                                                       |
|                     | Jun.             | 38.9                                     | -58.9                                                     | 148.5                                                          | 15.5                                                      | 108.7                                                            | 5.8                                                       |
|                     | Jul.             | 49.7                                     | -23.1                                                     | 125.6                                                          | 15.5                                                      | 98.5                                                             | 11.1                                                      |
|                     | Aug.             | 87.2                                     | -21.1                                                     | 148.2                                                          | 24.3                                                      | 80.8                                                             | -12.5                                                     |
|                     | Sep.             | 53.0                                     | -11.6                                                     | 160.7                                                          | 25.5                                                      | 103.1                                                            | -5.3                                                      |
|                     | Oct.             | 78.6                                     | -14.7                                                     | 136.3                                                          | 10.3                                                      | 124.4                                                            | 3.5                                                       |
|                     | Nov.             | 70.9                                     | -24.1                                                     | 116.0                                                          | 0.0                                                       | 95.3                                                             | -2.5                                                      |
|                     | Dec.             | 77.9                                     | -13.4                                                     | 130.5                                                          | 2.6                                                       | 107.2                                                            | 4.9                                                       |
| 2021                | Jan              | 61.5                                     | -29.3                                                     | 137.3                                                          | 2.7                                                       | 118.3                                                            | 7.8                                                       |
|                     | Feb              | 78.2                                     | -27.4                                                     | 123.0                                                          | -7.6                                                      | 88.2                                                             | -6.0                                                      |
|                     | Mar              | 55.8                                     | -39.0                                                     | 125.4                                                          | 1.7                                                       | 101.3                                                            | 0.2                                                       |
|                     | Apr              | 55.3                                     | -24.5                                                     | 128.8                                                          | -10.2                                                     | 115.6                                                            | 19.2                                                      |
|                     | May              | 61.7                                     | -38.3                                                     | 124.7                                                          | 3.5                                                       | 113.6                                                            | 8.9                                                       |
|                     | Jun              | 67.9                                     | 74.4                                                      | 139.2                                                          | -6.3                                                      | 124.1                                                            | 14.1                                                      |
|                     | Jul              | 61.9                                     | 24.3                                                      | 130.9                                                          | 4.2                                                       | 102.3                                                            | 3.8                                                       |
|                     | Aug              | 79.6                                     | -8.7                                                      | 147.2                                                          | -0.7                                                      | 93.5                                                             | 15.8                                                      |
|                     | Sep              | 60.2                                     | 13.6                                                      | 166.8                                                          | 3.8                                                       | 108.6                                                            | 5.3                                                       |
|                     | Oct              | 66.7                                     | -15.2                                                     | 163.8                                                          | 20.1                                                      | 112.4                                                            | -9.6                                                      |
|                     | Nov              | 51.8                                     | -27.0                                                     | 152.7                                                          | 31.6                                                      | 100.0                                                            | 5.0                                                       |
|                     | Dec              | 61.9                                     | -20.5                                                     | 162.3                                                          | 24.4                                                      | 112.4                                                            | 4.8                                                       |
| 2022                | Jan              | 39.5                                     | -35.8                                                     | 171.3                                                          | 24.8                                                      | 98.0                                                             | -17.2                                                     |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan kabel gentian optikal   |                                                    | Pembuatan wayar dan kabel elektronik dan elektrik lain        |                                                    | Pembuatan perkakasan domestik      |                                                    |
|---------------|------------------|-----------------------------------|----------------------------------------------------|---------------------------------------------------------------|----------------------------------------------------|------------------------------------|----------------------------------------------------|
|               |                  | Indeks/ Index                     | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                                 | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                      | % Perubahan tahun ke tahun/<br>change year-on-year |
|               |                  | Manufacture of fibre optic cables |                                                    | Manufacture of other electronic and electric wires and cables |                                                    | Manufacture of domestic appliances |                                                    |
|               |                  | Kod/ Codes                        | 27310                                              | 27320                                                         |                                                    | 27500                              |                                                    |
|               |                  | Wajaran/Weight 2015               | 0.03                                               | 0.46                                                          |                                                    | 0.47                               |                                                    |
| 2019          |                  | 120.6                             | 5.7                                                | 122.0                                                         | 0.3                                                | 123.7                              | 6.3                                                |
| 2020          |                  | 101.9                             | -15.5                                              | 130.3                                                         | 6.8                                                | 127.2                              | 2.9                                                |
| 2021          |                  | 113.8                             | 11.6                                               | 146.0                                                         | 12.0                                               | 136.1                              | 7.0                                                |
| 2020          | Q1               | 122.7                             | -1.3                                               | 119.4                                                         | -1.8                                               | 108.8                              | -1.5                                               |
|               | Q2               | 89.2                              | -31.0                                              | 129.3                                                         | 2.0                                                | 112.5                              | -13.2                                              |
|               | Q3               | 91.4                              | -9.7                                               | 131.3                                                         | 11.4                                               | 156.2                              | 15.4                                               |
|               | Q4               | 104.5                             | -18.3                                              | 141.2                                                         | 15.8                                               | 131.4                              | 10.2                                               |
| 2021          | Q1               | 106.8                             | -12.9                                              | 135.5                                                         | 13.5                                               | 113.2                              | 4.1                                                |
|               | Q2               | 101.9                             | 14.3                                               | 132.0                                                         | 2.1                                                | 127.7                              | 13.5                                               |
|               | Q3               | 121.6                             | 33.0                                               | 151.6                                                         | 15.5                                               | 150.9                              | -3.4                                               |
|               | Q4               | 124.9                             | 19.5                                               | 164.8                                                         | 16.7                                               | 152.7                              | 16.2                                               |
| 2020          | Jan.             | 149.8                             | 17.7                                               | 120.7                                                         | -5.3                                               | 126.4                              | 4.3                                                |
|               | Feb.             | 117.7                             | -1.8                                               | 122.9                                                         | 6.7                                                | 95.1                               | 1.8                                                |
|               | Mar.             | 100.5                             | -20.0                                              | 114.5                                                         | -6.3                                               | 104.7                              | -10.2                                              |
|               | Apr.             | 90.1                              | -35.3                                              | 106.2                                                         | -15.8                                              | 75.1                               | -39.2                                              |
|               | May.             | 108.6                             | -10.6                                              | 134.6                                                         | 7.0                                                | 107.4                              | -15.1                                              |
|               | Jun.             | 68.8                              | -45.7                                              | 147.0                                                         | 14.6                                               | 155.0                              | 11.4                                               |
|               | Jul.             | 89.8                              | -8.6                                               | 124.9                                                         | 7.3                                                | 147.9                              | 10.9                                               |
|               | Aug.             | 93.1                              | -14.1                                              | 126.4                                                         | 9.4                                                | 172.3                              | 25.0                                               |
|               | Sep.             | 91.3                              | -6.0                                               | 142.6                                                         | 17.1                                               | 148.3                              | 10.0                                               |
|               | Oct.             | 100.7                             | -9.4                                               | 149.5                                                         | 14.5                                               | 134.6                              | 7.7                                                |
|               | Nov.             | 105.3                             | -14.7                                              | 137.1                                                         | 14.1                                               | 119.3                              | 9.9                                                |
|               | Dec.             | 107.5                             | -27.9                                              | 137.0                                                         | 19.1                                               | 140.4                              | 13.1                                               |
| 2021          | Jan              | 131.5                             | -12.2                                              | 144.7                                                         | 19.9                                               | 129.5                              | 2.4                                                |
|               | Feb              | 107.7                             | -8.5                                               | 132.5                                                         | 7.8                                                | 108.9                              | 14.5                                               |
|               | Mar              | 81.3                              | -19.1                                              | 129.2                                                         | 12.9                                               | 101.3                              | -3.3                                               |
|               | Apr              | 96.1                              | 6.7                                                | 125.6                                                         | 18.2                                               | 114.2                              | 52.1                                               |
|               | May              | 100.3                             | -7.6                                               | 122.2                                                         | -9.2                                               | 124.1                              | 15.6                                               |
|               | Jun              | 109.2                             | 58.7                                               | 148.3                                                         | 0.9                                                | 144.7                              | -6.7                                               |
|               | Jul              | 123.4                             | 37.4                                               | 143.1                                                         | 14.6                                               | 129.3                              | -12.5                                              |
|               | Aug              | 124.3                             | 33.6                                               | 141.0                                                         | 11.6                                               | 164.6                              | -4.4                                               |
|               | Sep              | 117.0                             | 28.2                                               | 170.7                                                         | 19.7                                               | 158.6                              | 7.0                                                |
|               | Oct              | 119.8                             | 19.0                                               | 179.1                                                         | 19.8                                               | 149.3                              | 11.0                                               |
|               | Nov              | 128.8                             | 22.3                                               | 153.5                                                         | 11.9                                               | 144.7                              | 21.4                                               |
|               | Dec              | 126.0                             | 17.2                                               | 161.8                                                         | 18.2                                               | 164.0                              | 16.8                                               |
| 2022          | Jan              | 125.2                             | -4.8                                               | 160.3                                                         | 10.8                                               | 159.5                              | 23.2                                               |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Pembuatan alat-alat kuasa bendalir   |                                                    | Pembuatan pam, pemampat, kepala paip dan injap lain      |                                                    | Pembuatan penggalas, gear, elemen gear dan pemanduan         |                                                    |
|---------------------|------------------|--------------------------------------|----------------------------------------------------|----------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------|
|                     |                  | Indeks/ Index                        | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                            | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                                | % Perubahan tahun ke tahun/<br>change year-on-year |
|                     |                  | Manufacture of fluid power equipment |                                                    | Manufacture of other pumps, compressors, taps and valves |                                                    | Manufacture of bearings, gears, gearing and driving elements |                                                    |
| Kod/ Codes          |                  | 28120                                |                                                    | 28130                                                    |                                                    | 28140                                                        |                                                    |
| Wajaran/Weight 2015 |                  | 0.00                                 |                                                    | 0.14                                                     |                                                    | 0.05                                                         |                                                    |
| 2019                |                  | 139.2                                | 9.5                                                | 123.1                                                    | -0.4                                               | 109.8                                                        | -5.0                                               |
| 2020                |                  | 134.8                                | -3.1                                               | 120.7                                                    | -1.9                                               | 85.8                                                         | -21.8                                              |
| 2021                |                  | 137.6                                | 2.0                                                | 127.9                                                    | 5.9                                                | 69.7                                                         | -18.7                                              |
| 2020                | Q1               | 139.4                                | 2.3                                                | 135.5                                                    | -4.7                                               | 113.9                                                        | -9.3                                               |
|                     | Q2               | 135.3                                | -3.0                                               | 144.0                                                    | 4.6                                                | 91.1                                                         | -29.2                                              |
|                     | Q3               | 130.9                                | 0.6                                                | 94.2                                                     | -9.5                                               | 70.3                                                         | -17.9                                              |
|                     | Q4               | 133.7                                | -11.4                                              | 109.2                                                    | 0.7                                                | 67.9                                                         | -31.5                                              |
| 2021                | Q1               | 135.0                                | -3.1                                               | 123.0                                                    | -9.2                                               | 86.1                                                         | -24.4                                              |
|                     | Q2               | 136.6                                | 0.9                                                | 130.7                                                    | -9.3                                               | 77.3                                                         | -15.1                                              |
|                     | Q3               | 137.6                                | 5.1                                                | 122.6                                                    | 30.2                                               | 58.2                                                         | -17.2                                              |
|                     | Q4               | 141.1                                | 5.5                                                | 135.4                                                    | 24.0                                               | 57.3                                                         | -15.6                                              |
| 2020                | Jan.             | 137.6                                | -8.0                                               | 142.1                                                    | -8.2                                               | 125.4                                                        | -3.0                                               |
|                     | Feb.             | 144.3                                | 0.1                                                | 130.5                                                    | 4.6                                                | 130.3                                                        | 7.5                                                |
|                     | Mar.             | 136.2                                | 18.4                                               | 134.0                                                    | -9.0                                               | 86.1                                                         | -31.9                                              |
|                     | Apr.             | 138.6                                | -5.8                                               | 127.2                                                    | -21.3                                              | 81.9                                                         | -38.8                                              |
|                     | May.             | 136.5                                | -1.3                                               | 175.1                                                    | 17.6                                               | 119.5                                                        | -12.1                                              |
|                     | Jun.             | 130.8                                | -1.5                                               | 129.9                                                    | 26.7                                               | 72.0                                                         | -38.1                                              |
|                     | Jul.             | 127.8                                | -2.3                                               | 94.6                                                     | -12.5                                              | 73.9                                                         | -6.1                                               |
|                     | Aug.             | 126.3                                | -1.5                                               | 90.1                                                     | -14.3                                              | 69.5                                                         | -38.5                                              |
|                     | Sep.             | 138.5                                | 5.4                                                | 97.8                                                     | -1.2                                               | 67.3                                                         | 3.4                                                |
|                     | Oct.             | 134.0                                | 0.2                                                | 104.5                                                    | 6.1                                                | 66.2                                                         | -25.1                                              |
|                     | Nov.             | 133.8                                | -25.6                                              | 109.1                                                    | -4.4                                               | 69.1                                                         | -30.2                                              |
|                     | Dec.             | 133.3                                | -4.2                                               | 114.0                                                    | 1.1                                                | 68.5                                                         | -37.9                                              |
| 2021                | Jan              | 135.9                                | -1.2                                               | 128.4                                                    | -9.7                                               | 82.1                                                         | -34.5                                              |
|                     | Feb              | 134.3                                | -6.9                                               | 129.3                                                    | -0.9                                               | 105.3                                                        | -19.2                                              |
|                     | Mar              | 134.8                                | -1.0                                               | 111.4                                                    | -16.9                                              | 71.0                                                         | -17.6                                              |
|                     | Apr              | 135.8                                | -2.0                                               | 114.8                                                    | -9.7                                               | 72.3                                                         | -11.7                                              |
|                     | May              | 136.4                                | -0.1                                               | 146.1                                                    | -16.5                                              | 78.2                                                         | -34.6                                              |
|                     | Jun              | 137.5                                | 5.1                                                | 131.1                                                    | 0.9                                                | 81.5                                                         | 13.3                                               |
|                     | Jul              | 136.8                                | 7.0                                                | 115.0                                                    | 21.5                                               | 69.0                                                         | -6.7                                               |
|                     | Aug              | 137.6                                | 8.9                                                | 125.8                                                    | 39.6                                               | 50.6                                                         | -27.3                                              |
|                     | Sep              | 138.4                                | 0.0                                                | 127.0                                                    | 29.9                                               | 55.0                                                         | -18.2                                              |
|                     | Oct              | 140.3                                | 4.7                                                | 141.4                                                    | 35.2                                               | 58.4                                                         | -11.8                                              |
|                     | Nov              | 141.9                                | 6.1                                                | 139.2                                                    | 27.6                                               | 57.4                                                         | -16.9                                              |
|                     | Dec              | 141.0                                | 5.8                                                | 125.6                                                    | 10.1                                               | 56.2                                                         | -18.0                                              |
| 2022                | Jan              | 141.6                                | 4.2                                                | 116.4                                                    | -9.4                                               | 59.9                                                         | -27.0                                              |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                                                                     | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|----------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan kelengkapan<br>mengangkat dan mengendali |                                                           | Pembuatan alatan tangan yang<br>menggunakan kuasa dilengkapi<br>dengan motor elektrik atau bukan<br>motor elektrik atau pneumatik |                                                           | Pembuatan mesin penyaman<br>udara, termasuk untuk kenderaan<br>bermotor      |                                                           |
|                     |                  | Manufacture of lifting and<br>handling equipment   |                                                           | Manufacture of power-driven hand<br>tools with self-contained electric or<br>non-electric motor or pneumatic<br>drives            |                                                           | Manufacture of air-conditioning<br>machines, including for motor<br>vehicles |                                                           |
| Kod/ Codes          |                  | 28160                                              |                                                           | 28180                                                                                                                             |                                                           | 28192                                                                        |                                                           |
| Wajaran/Weight 2015 |                  | 0.08                                               |                                                           | 0.06                                                                                                                              |                                                           | 0.66                                                                         |                                                           |
| 2019                |                  | 136.6                                              | 0.6                                                       | 111.4                                                                                                                             | -2.8                                                      | 128.6                                                                        | 8.1                                                       |
| 2020                |                  | 135.4                                              | -0.9                                                      | 112.4                                                                                                                             | 0.9                                                       | 124.9                                                                        | -2.8                                                      |
| 2021                |                  | 167.1                                              | 23.4                                                      | 97.3                                                                                                                              | -13.4                                                     | 157.4                                                                        | 26.0                                                      |
| 2020                | Q1               | 162.4                                              | -2.9                                                      | 96.4                                                                                                                              | -21.1                                                     | 111.1                                                                        | -3.3                                                      |
|                     | Q2               | 159.9                                              | 2.4                                                       | 93.9                                                                                                                              | -16.0                                                     | 131.2                                                                        | -14.8                                                     |
|                     | Q3               | 105.9                                              | 2.6                                                       | 133.7                                                                                                                             | 25.3                                                      | 141.6                                                                        | 5.6                                                       |
|                     | Q4               | 113.3                                              | -5.4                                                      | 125.5                                                                                                                             | 19.5                                                      | 115.8                                                                        | 4.0                                                       |
| 2021                | Q1               | 151.5                                              | -6.7                                                      | 113.2                                                                                                                             | 17.4                                                      | 133.8                                                                        | 20.5                                                      |
|                     | Q2               | 199.9                                              | 25.0                                                      | 86.3                                                                                                                              | -8.1                                                      | 197.4                                                                        | 50.4                                                      |
|                     | Q3               | 172.0                                              | 62.4                                                      | 100.1                                                                                                                             | -25.2                                                     | 163.7                                                                        | 15.6                                                      |
|                     | Q4               | 145.1                                              | 28.0                                                      | 89.6                                                                                                                              | -28.6                                                     | 134.5                                                                        | 16.2                                                      |
| 2020                | Jan.             | 122.5                                              | 0.3                                                       | 103.6                                                                                                                             | -21.4                                                     | 117.5                                                                        | 1.2                                                       |
|                     | Feb.             | 224.6                                              | 14.8                                                      | 99.2                                                                                                                              | -7.1                                                      | 90.5                                                                         | 3.2                                                       |
|                     | Mar.             | 140.1                                              | -23.9                                                     | 86.4                                                                                                                              | -32.4                                                     | 125.3                                                                        | -11.0                                                     |
|                     | Apr.             | 157.2                                              | -19.7                                                     | 80.6                                                                                                                              | -39.4                                                     | 85.8                                                                         | -44.7                                                     |
|                     | May.             | 203.0                                              | 18.5                                                      | 108.0                                                                                                                             | -14.0                                                     | 114.2                                                                        | -28.5                                                     |
|                     | Jun.             | 119.4                                              | 18.0                                                      | 93.0                                                                                                                              | 21.5                                                      | 193.6                                                                        | 31.7                                                      |
|                     | Jul.             | 112.5                                              | 10.7                                                      | 136.5                                                                                                                             | 35.1                                                      | 171.5                                                                        | 18.4                                                      |
|                     | Aug.             | 103.8                                              | -2.7                                                      | 139.2                                                                                                                             | 13.8                                                      | 137.6                                                                        | -2.3                                                      |
|                     | Sep.             | 101.5                                              | 0.2                                                       | 125.6                                                                                                                             | 29.6                                                      | 115.7                                                                        | -0.8                                                      |
|                     | Oct.             | 108.7                                              | -4.8                                                      | 146.1                                                                                                                             | 24.4                                                      | 109.1                                                                        | -2.9                                                      |
|                     | Nov.             | 118.0                                              | -3.6                                                      | 132.7                                                                                                                             | 19.1                                                      | 110.7                                                                        | -1.9                                                      |
|                     | Dec.             | 113.2                                              | -7.9                                                      | 97.7                                                                                                                              | 13.3                                                      | 127.5                                                                        | 17.3                                                      |
| 2021                | Jan              | 120.1                                              | -2.0                                                      | 111.8                                                                                                                             | 7.9                                                       | 125.2                                                                        | 6.6                                                       |
|                     | Feb              | 171.2                                              | -23.8                                                     | 137.0                                                                                                                             | 38.1                                                      | 121.4                                                                        | 34.2                                                      |
|                     | Mar              | 163.2                                              | 16.5                                                      | 90.7                                                                                                                              | 5.0                                                       | 154.8                                                                        | 23.6                                                      |
|                     | Apr              | 172.0                                              | 9.4                                                       | 101.8                                                                                                                             | 26.3                                                      | 193.5                                                                        | 125.4                                                     |
|                     | May              | 232.9                                              | 14.8                                                      | 76.8                                                                                                                              | -28.9                                                     | 171.5                                                                        | 50.2                                                      |
|                     | Jun              | 194.8                                              | 63.1                                                      | 80.2                                                                                                                              | -13.8                                                     | 227.2                                                                        | 17.4                                                      |
|                     | Jul              | 190.9                                              | 69.7                                                      | 100.6                                                                                                                             | -26.3                                                     | 163.4                                                                        | -4.7                                                      |
|                     | Aug              | 167.4                                              | 61.2                                                      | 113.4                                                                                                                             | -18.5                                                     | 181.8                                                                        | 32.1                                                      |
|                     | Sep              | 157.8                                              | 55.5                                                      | 86.2                                                                                                                              | -31.3                                                     | 146.0                                                                        | 26.2                                                      |
|                     | Oct              | 146.1                                              | 34.4                                                      | 97.2                                                                                                                              | -33.4                                                     | 135.7                                                                        | 24.3                                                      |
|                     | Nov              | 139.5                                              | 18.2                                                      | 86.7                                                                                                                              | -34.7                                                     | 136.1                                                                        | 22.9                                                      |
|                     | Dec              | 149.6                                              | 32.1                                                      | 84.8                                                                                                                              | -13.1                                                     | 131.8                                                                        | 3.3                                                       |
| 2022                | Jan              | 133.9                                              | 11.6                                                      | 79.7                                                                                                                              | -28.7                                                     | 132.8                                                                        | 6.1                                                       |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan jentera pembentukan logam dan alatan mesin            |                                                    | Pembuatan lain-lain mesin bertujuan khas t.t.t.l.            |                                                    | Pembuatan kereta penumpang           |                                                    |
|---------------|------------------|-----------------------------------------------------------------|----------------------------------------------------|--------------------------------------------------------------|----------------------------------------------------|--------------------------------------|----------------------------------------------------|
|               |                  | Indeks/ Index                                                   | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                                                | % Perubahan tahun ke tahun/<br>change year-on-year | Indeks/ Index                        | % Perubahan tahun ke tahun/<br>change year-on-year |
|               |                  | <i>Manufacture of metal-forming machinery and machine tools</i> |                                                    | <i>Manufacture of other special-purpose machinery n.e.c.</i> |                                                    | <i>Manufacture of passenger cars</i> |                                                    |
|               |                  | <b>Kod/ Codes</b>                                               | <b>28220</b>                                       | <b>28290</b>                                                 | <b>29101</b>                                       |                                      |                                                    |
|               |                  | <b>Wajaran/Weight 2015</b>                                      | <b>0.33</b>                                        | <b>0.26</b>                                                  | <b>1.58</b>                                        |                                      |                                                    |
| 2019          |                  | 110.4                                                           | 1.0                                                | 109.1                                                        | -9.7                                               | 96.6                                 | 15.5                                               |
| 2020          |                  | 113.9                                                           | 3.2                                                | 125.3                                                        | 14.8                                               | 100.0                                | 3.5                                                |
| 2021          |                  | 107.6                                                           | -5.5                                               | 138.6                                                        | 10.7                                               | 98.6                                 | -1.3                                               |
| 2020          | Q1               | 105.7                                                           | -3.6                                               | 139.6                                                        | 4.4                                                | 93.6                                 | -1.8                                               |
|               | Q2               | 123.3                                                           | 7.5                                                | 136.7                                                        | 29.7                                               | 54.3                                 | -42.1                                              |
|               | Q3               | 130.0                                                           | 4.6                                                | 109.4                                                        | 15.2                                               | 118.6                                | 29.0                                               |
|               | Q4               | 96.6                                                            | 4.2                                                | 115.5                                                        | 12.8                                               | 133.4                                | 26.6                                               |
| 2021          | Q1               | 98.0                                                            | -7.3                                               | 138.6                                                        | -0.7                                               | 120.6                                | 28.9                                               |
|               | Q2               | 102.2                                                           | -17.1                                              | 148.7                                                        | 8.8                                                | 100.7                                | 85.3                                               |
|               | Q3               | 116.4                                                           | -10.5                                              | 137.2                                                        | 25.4                                               | 39.1                                 | -67.0                                              |
|               | Q4               | 113.8                                                           | 17.8                                               | 129.9                                                        | 12.6                                               | 134.1                                | 0.5                                                |
| 2020          | Jan.             | 104.4                                                           | 2.8                                                | 101.8                                                        | -2.7                                               | 109.3                                | 3.5                                                |
|               | Feb.             | 103.1                                                           | 2.9                                                | 217.6                                                        | 6.7                                                | 89.2                                 | 8.7                                                |
|               | Mar.             | 109.8                                                           | -13.9                                              | 99.4                                                         | 7.2                                                | 82.3                                 | -16.3                                              |
|               | Apr.             | 112.6                                                           | -3.4                                               | 113.9                                                        | -1.9                                               | 2.8                                  | -97.2                                              |
|               | May.             | 126.4                                                           | 18.0                                               | 174.7                                                        | 67.2                                               | 34.6                                 | -63.6                                              |
|               | Jun.             | 131.0                                                           | 8.7                                                | 121.5                                                        | 27.0                                               | 125.6                                | 46.3                                               |
|               | Jul.             | 135.5                                                           | 8.6                                                | 115.3                                                        | 21.4                                               | 119.0                                | 23.8                                               |
|               | Aug.             | 123.6                                                           | -1.7                                               | 114.2                                                        | 11.3                                               | 122.7                                | 27.5                                               |
|               | Sep.             | 130.9                                                           | 6.8                                                | 98.7                                                         | 13.2                                               | 114.1                                | 36.6                                               |
|               | Oct.             | 105.6                                                           | 14.7                                               | 111.7                                                        | 10.0                                               | 129.1                                | 17.5                                               |
|               | Nov.             | 93.7                                                            | 9.3                                                | 118.3                                                        | 19.1                                               | 131.8                                | 27.1                                               |
|               | Dec.             | 90.3                                                            | -9.8                                               | 116.4                                                        | 9.4                                                | 139.2                                | 35.9                                               |
| 2021          | Jan              | 95.4                                                            | -8.5                                               | 116.3                                                        | 14.3                                               | 118.5                                | 8.4                                                |
|               | Feb              | 95.8                                                            | -7.0                                               | 166.2                                                        | -23.6                                              | 106.8                                | 19.7                                               |
|               | Mar              | 102.8                                                           | -6.3                                               | 133.4                                                        | 34.2                                               | 136.7                                | 66.0                                               |
|               | Apr              | 100.9                                                           | -10.3                                              | 142.9                                                        | 25.4                                               | 167.1                                | 5842.6                                             |
|               | May              | 104.7                                                           | -17.1                                              | 154.3                                                        | -11.6                                              | 133.1                                | 284.9                                              |
|               | Jun              | 100.9                                                           | -23.0                                              | 148.9                                                        | 22.5                                               | 1.8                                  | -98.6                                              |
|               | Jul              | 111.1                                                           | -18.0                                              | 141.9                                                        | 23.1                                               | 5.6                                  | -95.3                                              |
|               | Aug              | 111.1                                                           | -10.2                                              | 147.9                                                        | 29.5                                               | 29.5                                 | -76.0                                              |
|               | Sep              | 127.1                                                           | -2.9                                               | 121.9                                                        | 23.5                                               | 82.3                                 | -27.9                                              |
|               | Oct              | 117.8                                                           | 11.5                                               | 129.4                                                        | 15.8                                               | 137.4                                | 6.4                                                |
|               | Nov              | 115.2                                                           | 22.9                                               | 131.2                                                        | 10.9                                               | 132.3                                | 0.3                                                |
|               | Dec              | 108.3                                                           | 19.9                                               | 129.3                                                        | 11.1                                               | 132.6                                | -4.7                                               |
| 2022          | Jan              | 111.6                                                           | 16.9                                               | 124.0                                                        | 6.6                                                | 127.9                                | 7.9                                                |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Pembuatan alat ganti dan aksesori<br>untuk kenderaan bermotor      |                                                           | Pembinaan kapal dan struktur<br>terapung             |                                                           | Pembuatan pesawat dan kapal<br>angkasa dan jentera berkaitan       |                                                           |
|---------------|------------------|--------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------|
|               |                  | Indeks/ Index                                                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                        | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|               |                  | <i>Manufacture of parts and<br/>accessories for motor vehicles</i> |                                                           | <i>Building of ships and floating<br/>structures</i> |                                                           | <i>Manufacture of air and spacecraft<br/>and related machinery</i> |                                                           |
|               |                  | <b>Kod/ Codes</b>                                                  | <b>29300</b>                                              | <b>30110</b>                                         |                                                           | <b>30300</b>                                                       |                                                           |
|               |                  | <b>Wajaran/Weight 2015</b>                                         | <b>1.42</b>                                               | <b>0.44</b>                                          |                                                           | <b>0.28</b>                                                        |                                                           |
| 2019          |                  | 138.5                                                              | 1.9                                                       | 105.6                                                | 3.0                                                       | 132.0                                                              | 6.1                                                       |
| 2020          |                  | 132.1                                                              | -4.7                                                      | 87.6                                                 | -17.1                                                     | 106.3                                                              | -19.5                                                     |
| 2021          |                  | 134.5                                                              | 1.8                                                       | 92.8                                                 | 6.0                                                       | 101.5                                                              | -4.5                                                      |
| 2020          | Q1               | 153.1                                                              | -1.1                                                      | 86.7                                                 | -13.2                                                     | 137.4                                                              | 2.5                                                       |
|               | Q2               | 106.5                                                              | -21.5                                                     | 55.2                                                 | -42.2                                                     | 89.7                                                               | -23.9                                                     |
|               | Q3               | 139.3                                                              | 1.6                                                       | 113.9                                                | -12.1                                                     | 88.0                                                               | -31.2                                                     |
|               | Q4               | 129.4                                                              | 2.3                                                       | 94.5                                                 | -3.2                                                      | 110.0                                                              | -25.9                                                     |
| 2021          | Q1               | 158.8                                                              | 3.7                                                       | 90.2                                                 | 4.1                                                       | 119.5                                                              | -13.0                                                     |
|               | Q2               | 131.1                                                              | 23.2                                                      | 78.2                                                 | 41.7                                                      | 89.1                                                               | -0.6                                                      |
|               | Q3               | 115.7                                                              | -17.0                                                     | 104.9                                                | -7.9                                                      | 86.2                                                               | -2.0                                                      |
|               | Q4               | 132.4                                                              | 2.4                                                       | 97.9                                                 | 3.6                                                       | 111.1                                                              | 1.0                                                       |
| 2020          | Jan.             | 157.3                                                              | -3.1                                                      | 98.2                                                 | 3.5                                                       | 148.5                                                              | 4.3                                                       |
|               | Feb.             | 150.2                                                              | 3.0                                                       | 79.0                                                 | -11.3                                                     | 129.7                                                              | 15.4                                                      |
|               | Mar.             | 151.8                                                              | -2.9                                                      | 82.8                                                 | -28.4                                                     | 134.1                                                              | -9.1                                                      |
|               | Apr.             | 74.6                                                               | -47.9                                                     | 13.1                                                 | -84.3                                                     | 62.4                                                               | -46.8                                                     |
|               | May.             | 102.9                                                              | -19.0                                                     | 48.9                                                 | -47.2                                                     | 100.4                                                              | -20.7                                                     |
|               | Jun.             | 141.9                                                              | 3.8                                                       | 103.6                                                | -6.0                                                      | 106.2                                                              | -3.1                                                      |
|               | Jul.             | 148.1                                                              | 4.4                                                       | 85.9                                                 | 6.5                                                       | 77.0                                                               | -34.3                                                     |
|               | Aug.             | 144.3                                                              | 1.9                                                       | 125.7                                                | -21.1                                                     | 96.8                                                               | -31.3                                                     |
|               | Sep.             | 125.6                                                              | -1.8                                                      | 130.2                                                | -12.5                                                     | 90.1                                                               | -28.0                                                     |
|               | Oct.             | 128.7                                                              | 0.0                                                       | 79.0                                                 | -10.5                                                     | 93.4                                                               | -35.0                                                     |
|               | Nov.             | 127.5                                                              | 3.4                                                       | 105.0                                                | -5.0                                                      | 121.7                                                              | -18.7                                                     |
|               | Dec.             | 131.9                                                              | 3.5                                                       | 99.5                                                 | 5.6                                                       | 115.1                                                              | -24.3                                                     |
| 2021          | Jan              | 152.5                                                              | -3.0                                                      | 96.9                                                 | -1.3                                                      | 121.2                                                              | -18.4                                                     |
|               | Feb              | 149.4                                                              | -0.5                                                      | 85.4                                                 | 8.1                                                       | 115.9                                                              | -10.7                                                     |
|               | Mar              | 174.4                                                              | 14.8                                                      | 88.4                                                 | 6.8                                                       | 121.5                                                              | -9.4                                                      |
|               | Apr              | 144.5                                                              | 93.8                                                      | 73.4                                                 | 461.3                                                     | 108.1                                                              | 73.1                                                      |
|               | May              | 130.8                                                              | 27.1                                                      | 77.5                                                 | 58.6                                                      | 78.8                                                               | -21.5                                                     |
|               | Jun              | 118.1                                                              | -16.8                                                     | 83.8                                                 | -19.2                                                     | 80.4                                                               | -24.3                                                     |
|               | Jul              | 118.2                                                              | -20.2                                                     | 68.6                                                 | -20.1                                                     | 65.5                                                               | -14.9                                                     |
|               | Aug              | 118.2                                                              | -18.1                                                     | 118.3                                                | -5.9                                                      | 94.8                                                               | -2.1                                                      |
|               | Sep              | 110.8                                                              | -11.8                                                     | 127.9                                                | -1.8                                                      | 98.1                                                               | 8.9                                                       |
|               | Oct              | 130.0                                                              | 1.0                                                       | 84.3                                                 | 6.8                                                       | 89.1                                                               | -4.6                                                      |
|               | Nov              | 134.3                                                              | 5.3                                                       | 109.0                                                | 3.7                                                       | 127.2                                                              | 4.5                                                       |
|               | Dec              | 133.0                                                              | 0.8                                                       | 100.3                                                | 0.8                                                       | 117.1                                                              | 1.8                                                       |
| 2022          | Jan              | 156.3                                                              | 2.4                                                       | 100.3                                                | 3.5                                                       | 123.6                                                              | 2.0                                                       |

Jadual 3: Indeks Pembuatan Peringkat Industri (2015=100)

Table 3: Manufacturing Indices at Industry Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index              |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       | Indeks/ Index                                                                              |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  |
|---------------------|------------------|----------------------------|-------|-----------------------------------------------------------|-------|--------------------------------------------------------------------------------------------|-------|-----------------------------------------------------------|--|
|                     |                  |                            |       |                                                           |       |                                                                                            |       |                                                           |  |
|                     |                  |                            |       |                                                           |       |                                                                                            |       |                                                           |  |
|                     |                  | Pembuatan motosikal        |       | Pembuatan perabot kayu dan<br>rotan                       |       | Pembaikan dan penyelenggaraan<br>kelengkapan pengangkutan<br>kecuali motosikal dan basikal |       |                                                           |  |
|                     |                  | Manufacture of motorcycles |       | Manufacture of wooden and cane<br>furniture               |       | Repair and maintenance of<br>transport equipment except<br>motorcycles and bicycles        |       |                                                           |  |
| Kod/ Codes          |                  | 30910                      |       | 31001                                                     |       | 33150                                                                                      |       |                                                           |  |
| Wajaran/Weight 2015 |                  | 0.26                       |       | 0.72                                                      |       | 0.24                                                                                       |       |                                                           |  |
| 2019                |                  | 90.7                       | 8.2   | 128.1                                                     | 5.5   | 150.2                                                                                      | 8.8   |                                                           |  |
| 2020                |                  | 85.0                       | -6.2  | 119.4                                                     | -6.8  | 161.2                                                                                      | 7.3   |                                                           |  |
| 2021                |                  | 82.8                       | -2.6  | 117.0                                                     | -2.0  | 147.0                                                                                      | -8.8  |                                                           |  |
| 2020                | Q1               | 97.9                       | 3.6   | 134.4                                                     | 2.8   | 141.2                                                                                      | -3.6  |                                                           |  |
|                     | Q2               | 48.8                       | -46.7 | 73.5                                                      | -39.4 | 158.4                                                                                      | 2.3   |                                                           |  |
|                     | Q3               | 97.2                       | 8.5   | 132.5                                                     | 1.8   | 187.8                                                                                      | 18.3  |                                                           |  |
|                     | Q4               | 96.2                       | 10.5  | 137.2                                                     | 5.4   | 157.3                                                                                      | 11.6  |                                                           |  |
| 2021                | Q1               | 100.5                      | 2.6   | 133.3                                                     | -0.8  | 167.1                                                                                      | 18.3  |                                                           |  |
|                     | Q2               | 73.2                       | 50.1  | 109.4                                                     | 48.9  | 144.5                                                                                      | -8.8  |                                                           |  |
|                     | Q3               | 59.8                       | -38.5 | 90.3                                                      | -31.8 | 133.8                                                                                      | -28.8 |                                                           |  |
|                     | Q4               | 97.6                       | 1.5   | 135.0                                                     | -1.6  | 142.5                                                                                      | -9.4  |                                                           |  |
| 2020                | Jan.             | 94.8                       | -5.1  | 135.5                                                     | 3.6   | 148.6                                                                                      | 6.7   |                                                           |  |
|                     | Feb.             | 97.4                       | 13.4  | 141.0                                                     | 11.5  | 137.7                                                                                      | 1.5   |                                                           |  |
|                     | Mar.             | 101.6                      | 3.7   | 126.7                                                     | -6.1  | 137.3                                                                                      | -16.5 |                                                           |  |
|                     | Apr.             | 18.1                       | -80.4 | 11.5                                                      | -89.9 | 141.2                                                                                      | -3.6  |                                                           |  |
|                     | May.             | 42.9                       | -53.9 | 66.2                                                      | -46.5 | 150.5                                                                                      | -7.3  |                                                           |  |
|                     | Jun.             | 85.4                       | -4.6  | 142.8                                                     | 13.0  | 183.7                                                                                      | 18.0  |                                                           |  |
|                     | Jul.             | 88.7                       | 6.8   | 127.7                                                     | 2.6   | 193.2                                                                                      | 15.1  |                                                           |  |
|                     | Aug.             | 104.5                      | 10.8  | 127.5                                                     | -2.7  | 189.1                                                                                      | 26.1  |                                                           |  |
|                     | Sep.             | 98.4                       | 7.6   | 142.1                                                     | 5.4   | 181.0                                                                                      | 14.4  |                                                           |  |
|                     | Oct.             | 90.4                       | 18.5  | 146.1                                                     | 7.5   | 165.2                                                                                      | 17.3  |                                                           |  |
|                     | Nov.             | 97.8                       | 12.3  | 130.8                                                     | 4.4   | 165.1                                                                                      | 10.7  |                                                           |  |
|                     | Dec.             | 100.2                      | 2.7   | 134.8                                                     | 4.2   | 141.5                                                                                      | 6.6   |                                                           |  |
| 2021                | Jan              | 101.7                      | 7.2   | 132.9                                                     | -1.9  | 174.9                                                                                      | 17.7  |                                                           |  |
|                     | Feb              | 91.5                       | -6.1  | 133.1                                                     | -5.6  | 159.7                                                                                      | 16.0  |                                                           |  |
|                     | Mar              | 108.4                      | 6.7   | 134.0                                                     | 5.7   | 166.7                                                                                      | 21.4  |                                                           |  |
|                     | Apr              | 87.9                       | 386.3 | 112.7                                                     | 881.6 | 159.7                                                                                      | 13.1  |                                                           |  |
|                     | May              | 76.6                       | 78.7  | 107.7                                                     | 62.7  | 148.7                                                                                      | -1.2  |                                                           |  |
|                     | Jun              | 55.1                       | -35.4 | 107.8                                                     | -24.5 | 125.2                                                                                      | -31.8 |                                                           |  |
|                     | Jul              | 44.2                       | -50.2 | 82.4                                                      | -35.5 | 127.1                                                                                      | -34.2 |                                                           |  |
|                     | Aug              | 59.5                       | -43.1 | 84.7                                                      | -33.6 | 134.9                                                                                      | -28.7 |                                                           |  |
|                     | Sep              | 75.6                       | -23.2 | 103.8                                                     | -27.0 | 139.4                                                                                      | -23.0 |                                                           |  |
|                     | Oct              | 90.7                       | 0.2   | 127.0                                                     | -13.1 | 132.3                                                                                      | -20.0 |                                                           |  |
|                     | Nov              | 101.0                      | 3.2   | 139.1                                                     | 6.3   | 164.0                                                                                      | -0.7  |                                                           |  |
|                     | Dec              | 101.3                      | 1.0   | 138.9                                                     | 3.1   | 131.1                                                                                      | -7.3  |                                                           |  |
| 2022                | Jan              | 101.4                      | -0.3  | 140.8                                                     | 5.9   | 150.7                                                                                      | -13.8 |                                                           |  |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                                | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                        | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                   | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|--------------------------------------------------------------|-----------------------------------------------------------|--------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan minyak dan lemak<br>daripada sayuran dan haiwan    |                                                           | Pembuatan produk tenusu              |                                                           | Pembuatan produk bijian, kanji<br>dan produk berkanji                           |                                                           |
|                     |                  | <i>Manufacture of vegetable and<br/>animal oils and fats</i> |                                                           | <i>Manufacture of dairy products</i> |                                                           | <i>Manufacture of grain mill<br/>products, starches and starch<br/>products</i> |                                                           |
| Kod/Codes           |                  | 104                                                          |                                                           | 105                                  |                                                           | 106                                                                             |                                                           |
| Wajaran/Weight 2015 |                  | 3.71                                                         |                                                           | 0.47                                 |                                                           | 0.23                                                                            |                                                           |
| 2019                |                  | 112.6                                                        | -1.4                                                      | 124.7                                | 14.8                                                      | 122.2                                                                           | 6.1                                                       |
| 2020                |                  | 108.2                                                        | -3.9                                                      | 133.1                                | 6.8                                                       | 121.5                                                                           | -0.5                                                      |
| 2021                |                  | 99.1                                                         | -8.4                                                      | 142.2                                | 6.8                                                       | 136.5                                                                           | 12.3                                                      |
| 2020                | Q1               | 95.3                                                         | -17.0                                                     | 119.2                                | 4.7                                                       | 123.0                                                                           | 13.4                                                      |
|                     | Q2               | 118.3                                                        | 12.7                                                      | 134.2                                | 7.2                                                       | 112.9                                                                           | -6.2                                                      |
|                     | Q3               | 121.3                                                        | 9.3                                                       | 152.6                                | 8.7                                                       | 123.6                                                                           | -6.7                                                      |
|                     | Q4               | 97.7                                                         | -18.3                                                     | 126.5                                | 5.9                                                       | 126.7                                                                           | -0.6                                                      |
| 2021                | Q1               | 82.8                                                         | -13.2                                                     | 129.0                                | 8.2                                                       | 132.3                                                                           | 7.6                                                       |
|                     | Q2               | 100.0                                                        | -15.5                                                     | 148.4                                | 10.5                                                      | 133.7                                                                           | 18.4                                                      |
|                     | Q3               | 106.9                                                        | -11.9                                                     | 155.4                                | 1.8                                                       | 136.3                                                                           | 10.2                                                      |
|                     | Q4               | 106.6                                                        | 9.2                                                       | 135.8                                | 7.3                                                       | 143.8                                                                           | 13.5                                                      |
| 2020                | Jan.             | 94.1                                                         | -25.8                                                     | 127.1                                | 16.2                                                      | 120.7                                                                           | 13.3                                                      |
|                     | Feb.             | 97.6                                                         | -3.6                                                      | 111.6                                | -0.1                                                      | 114.3                                                                           | 10.2                                                      |
|                     | Mar.             | 94.1                                                         | -19.0                                                     | 118.9                                | -1.2                                                      | 133.9                                                                           | 16.4                                                      |
|                     | Apr.             | 109.6                                                        | -0.7                                                      | 130.9                                | 4.3                                                       | 136.8                                                                           | 10.6                                                      |
|                     | May              | 120.1                                                        | 11.6                                                      | 132.6                                | 2.0                                                       | 90.1                                                                            | -24.7                                                     |
|                     | Jun.             | 125.3                                                        | 29.2                                                      | 139.3                                | 16.0                                                      | 111.7                                                                           | -5.1                                                      |
|                     | Jul.             | 120.3                                                        | 13.3                                                      | 151.2                                | 12.2                                                      | 110.2                                                                           | -15.3                                                     |
|                     | Aug.             | 120.5                                                        | 10.3                                                      | 153.1                                | 6.6                                                       | 121.3                                                                           | -8.0                                                      |
|                     | Sep.             | 123.1                                                        | 4.9                                                       | 153.5                                | 7.6                                                       | 139.3                                                                           | 2.9                                                       |
|                     | Oct.             | 113.8                                                        | -11.4                                                     | 115.9                                | 10.7                                                      | 120.7                                                                           | -5.8                                                      |
|                     | Nov.             | 96.3                                                         | -19.2                                                     | 127.2                                | 1.6                                                       | 118.9                                                                           | -3.2                                                      |
|                     | Dec.             | 83.0                                                         | -25.2                                                     | 136.5                                | 6.2                                                       | 140.5                                                                           | 6.8                                                       |
| 2021                | Jan.             | 85.6                                                         | -9.1                                                      | 146.3                                | 15.1                                                      | 128.5                                                                           | 6.5                                                       |
|                     | Feb.             | 70.0                                                         | -28.3                                                     | 114.4                                | 2.4                                                       | 125.7                                                                           | 10.0                                                      |
|                     | Mar.             | 92.6                                                         | -1.6                                                      | 126.4                                | 6.3                                                       | 142.7                                                                           | 6.6                                                       |
|                     | Apr.             | 95.4                                                         | -12.9                                                     | 155.2                                | 18.5                                                      | 154.3                                                                           | 12.8                                                      |
|                     | May              | 93.6                                                         | -22.0                                                     | 142.8                                | 7.7                                                       | 119.8                                                                           | 32.9                                                      |
|                     | Jun.             | 110.9                                                        | -11.5                                                     | 147.2                                | 5.7                                                       | 126.9                                                                           | 13.7                                                      |
|                     | Jul.             | 100.9                                                        | -16.1                                                     | 139.2                                | -7.9                                                      | 111.2                                                                           | 0.9                                                       |
|                     | Aug.             | 101.5                                                        | -15.8                                                     | 161.6                                | 5.6                                                       | 139.7                                                                           | 15.2                                                      |
|                     | Sep.             | 118.2                                                        | -4.0                                                      | 165.4                                | 7.7                                                       | 157.9                                                                           | 13.3                                                      |
|                     | Oct.             | 119.5                                                        | 5.0                                                       | 123.1                                | 6.2                                                       | 146.8                                                                           | 21.6                                                      |
|                     | Nov.             | 106.5                                                        | 10.7                                                      | 133.5                                | 5.0                                                       | 136.2                                                                           | 14.5                                                      |
|                     | Dec.             | 93.9                                                         | 13.1                                                      | 150.9                                | 10.5                                                      | 148.5                                                                           | 5.7                                                       |
| 2022                | Jan.             | 85.9                                                         | 0.3                                                       | 151.7                                | 3.6                                                       | 135.7                                                                           | 5.5                                                       |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year | Tempoh<br>Period | Indeks/ Index                         | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index            | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                   | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------|------------------|---------------------------------------|-----------------------------------------------------------|--------------------------|-----------------------------------------------------------|---------------------------------|-----------------------------------------------------------|
|               |                  | Pembuatan produk makanan lain         |                                                           | Pembuatan minuman ringan |                                                           | Pembuatan produk tembakau       |                                                           |
|               |                  | Manufacture of other food<br>products |                                                           | Manufacture of beverages |                                                           | Manufacture of tobacco products |                                                           |
|               |                  | Kod/Codes                             | 107                                                       | 110                      |                                                           | 120                             |                                                           |
|               |                  | Wajaran/Weight 2015                   | 1.85                                                      | 0.65                     |                                                           | 0.52                            |                                                           |
| 2019          |                  | 124.6                                 | 4.1                                                       | 127.2                    | 2.8                                                       | 113.6                           | 5.8                                                       |
| 2020          |                  | 129.3                                 | 3.7                                                       | 108.7                    | -14.5                                                     | 95.4                            | -16.0                                                     |
| 2021          |                  | 137.8                                 | 6.6                                                       | 119.4                    | 9.9                                                       | 83.6                            | -12.4                                                     |
| 2020          | Q1               | 127.3                                 | 11.5                                                      | 114.1                    | -0.8                                                      | 114.9                           | -3.3                                                      |
|               | Q2               | 130.1                                 | 6.2                                                       | 81.0                     | -38.2                                                     | 35.8                            | -69.1                                                     |
|               | Q3               | 135.1                                 | 1.0                                                       | 116.9                    | -9.9                                                      | 117.3                           | 5.1                                                       |
|               | Q4               | 124.7                                 | -2.7                                                      | 122.8                    | -7.5                                                      | 113.7                           | 5.4                                                       |
| 2021          | Q1               | 132.7                                 | 4.3                                                       | 116.3                    | 1.8                                                       | 122.6                           | 6.7                                                       |
|               | Q2               | 136.8                                 | 5.2                                                       | 112.3                    | 38.6                                                      | 69.5                            | 94.4                                                      |
|               | Q3               | 142.9                                 | 5.7                                                       | 111.7                    | -4.4                                                      | 21.3                            | -81.8                                                     |
|               | Q4               | 138.9                                 | 11.4                                                      | 137.5                    | 11.9                                                      | 121.1                           | 6.4                                                       |
| 2020          | Jan.             | 131.0                                 | 16.1                                                      | 123.1                    | 1.0                                                       | 115.3                           | -1.7                                                      |
|               | Feb.             | 131.4                                 | 18.5                                                      | 112.6                    | 5.1                                                       | 122.2                           | 4.5                                                       |
|               | Mar.             | 119.4                                 | 0.6                                                       | 106.8                    | -8.0                                                      | 107.2                           | -12.3                                                     |
|               | Apr.             | 127.3                                 | 3.2                                                       | 66.7                     | -46.2                                                     | 2.6                             | -97.7                                                     |
|               | May              | 131.5                                 | 5.6                                                       | 78.9                     | -40.5                                                     | 19.8                            | -82.7                                                     |
|               | Jun.             | 131.5                                 | 9.9                                                       | 97.5                     | -28.6                                                     | 84.9                            | -27.6                                                     |
|               | Jul.             | 137.4                                 | 2.9                                                       | 110.9                    | -13.7                                                     | 117.8                           | 5.7                                                       |
|               | Aug.             | 135.0                                 | -1.5                                                      | 120.1                    | -10.4                                                     | 117.1                           | 2.1                                                       |
|               | Sep.             | 133.0                                 | 1.6                                                       | 119.5                    | -5.6                                                      | 117.2                           | 7.6                                                       |
|               | Oct.             | 124.8                                 | 2.1                                                       | 119.6                    | -7.2                                                      | 109.8                           | 5.0                                                       |
|               | Nov.             | 122.8                                 | -3.1                                                      | 118.2                    | -11.7                                                     | 112.2                           | 5.6                                                       |
|               | Dec.             | 126.5                                 | -6.5                                                      | 130.6                    | -3.7                                                      | 119.3                           | 5.4                                                       |
| 2021          | Jan.             | 130.7                                 | -0.2                                                      | 120.1                    | -2.4                                                      | 122.1                           | 5.9                                                       |
|               | Feb.             | 134.6                                 | 2.4                                                       | 111.9                    | -0.6                                                      | 125.5                           | 2.7                                                       |
|               | Mar.             | 132.9                                 | 11.3                                                      | 116.7                    | 9.3                                                       | 120.2                           | 12.1                                                      |
|               | Apr.             | 137.9                                 | 8.4                                                       | 136.1                    | 104.0                                                     | 106.1                           | 3960.1                                                    |
|               | May              | 135.3                                 | 2.9                                                       | 117.9                    | 49.5                                                      | 99.4                            | 401.2                                                     |
|               | Jun.             | 137.3                                 | 4.4                                                       | 83.0                     | -14.9                                                     | 3.1                             | -96.3                                                     |
|               | Jul.             | 142.1                                 | 3.4                                                       | 88.0                     | -20.7                                                     | 2.4                             | -97.9                                                     |
|               | Aug.             | 141.9                                 | 5.1                                                       | 120.0                    | -0.1                                                      | 2.4                             | -98.0                                                     |
|               | Sep.             | 144.6                                 | 8.7                                                       | 127.1                    | 6.3                                                       | 59.2                            | -49.4                                                     |
|               | Oct.             | 139.4                                 | 11.7                                                      | 137.1                    | 14.7                                                      | 118.4                           | 7.9                                                       |
|               | Nov.             | 138.6                                 | 12.9                                                      | 132.9                    | 12.4                                                      | 117.9                           | 5.2                                                       |
|               | Dec.             | 138.7                                 | 9.7                                                       | 142.4                    | 9.0                                                       | 126.9                           | 6.4                                                       |
| 2022          | Jan.             | 145.1                                 | 11.0                                                      | 129.4                    | 7.7                                                       | 123.7                           | 1.3                                                       |

Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)

Table 4: Manufacturing Indices at Division Level (2015=100)

| Tahun<br>Year | Tempoh<br>Period | Indeks/ Index                                          | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                 | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                                                                          | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------|------------------|--------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
|               |                  | Pemintalan, penenunan dan<br>penyiapan tekstil         |                                                           | Pembuatan pakaian, kecuali<br>pakaian berbulu                 |                                                           | Penyamakan dan pembersihan<br>kulit, pembuatan begasi, beg<br>tangan, pelana dan abah-abah<br>pembersihan dan pewarnaan bulu           |                                                           |
|               |                  | <i>Spinning, weaving and finishing of<br/>textiles</i> |                                                           | <i>Manufacture of wearing apparel,<br/>except fur apparel</i> |                                                           | <i>Tanning and dressing of leather;<br/>manufacture of luggage,<br/>handbags, saddlery and harness;<br/>dressing and dyeing of fur</i> |                                                           |
|               |                  | <b>Kod/Codes</b>                                       | <b>131</b>                                                |                                                               | <b>141</b>                                                |                                                                                                                                        | <b>151</b>                                                |
|               |                  | <b>Wajaran/Weight 2015</b>                             | <b>0.40</b>                                               |                                                               | <b>0.58</b>                                               |                                                                                                                                        | <b>0.06</b>                                               |
| 2019          |                  | 116.5                                                  | 4.6                                                       | 135.2                                                         | 6.1                                                       | 139.3                                                                                                                                  | 6.8                                                       |
| 2020          |                  | 96.9                                                   | -16.8                                                     | 119.9                                                         | -11.3                                                     | 119.5                                                                                                                                  | -14.2                                                     |
| 2021          |                  | 114.0                                                  | 17.6                                                      | 121.6                                                         | 1.4                                                       | 143.6                                                                                                                                  | 20.2                                                      |
| 2020          | Q1               | 115.7                                                  | 3.1                                                       | 132.2                                                         | 3.4                                                       | 156.5                                                                                                                                  | 4.8                                                       |
|               | Q2               | 66.9                                                   | -44.7                                                     | 74.5                                                          | -44.6                                                     | 92.8                                                                                                                                   | -38.8                                                     |
|               | Q3               | 95.5                                                   | -18.0                                                     | 120.4                                                         | -3.8                                                      | 89.1                                                                                                                                   | -26.9                                                     |
|               | Q4               | 109.6                                                  | -5.9                                                      | 152.4                                                         | -0.6                                                      | 139.5                                                                                                                                  | 3.8                                                       |
| 2021          | Q1               | 121.7                                                  | 5.2                                                       | 132.1                                                         | -0.1                                                      | 184.1                                                                                                                                  | 17.6                                                      |
|               | Q2               | 107.8                                                  | 61.2                                                      | 93.1                                                          | 25.0                                                      | 165.9                                                                                                                                  | 78.8                                                      |
|               | Q3               | 108.3                                                  | 13.4                                                      | 106.9                                                         | -11.2                                                     | 74.8                                                                                                                                   | -16.1                                                     |
|               | Q4               | 118.3                                                  | 7.9                                                       | 154.1                                                         | 1.2                                                       | 149.8                                                                                                                                  | 7.3                                                       |
| 2020          | Jan.             | 115.7                                                  | 4.7                                                       | 137.0                                                         | 3.6                                                       | 152.9                                                                                                                                  | 1.4                                                       |
|               | Feb.             | 120.8                                                  | 7.8                                                       | 131.6                                                         | 7.4                                                       | 149.6                                                                                                                                  | 6.7                                                       |
|               | Mar.             | 110.6                                                  | -2.9                                                      | 128.0                                                         | -0.7                                                      | 167.0                                                                                                                                  | 6.2                                                       |
|               | Apr.             | 37.2                                                   | -68.9                                                     | 23.6                                                          | -81.4                                                     | 49.3                                                                                                                                   | -70.0                                                     |
|               | May              | 68.3                                                   | -43.9                                                     | 68.7                                                          | -52.0                                                     | 128.2                                                                                                                                  | -17.7                                                     |
|               | Jun.             | 95.1                                                   | -21.7                                                     | 131.2                                                         | -1.8                                                      | 100.8                                                                                                                                  | -25.1                                                     |
|               | Jul.             | 85.0                                                   | -27.9                                                     | 114.0                                                         | -5.9                                                      | 79.8                                                                                                                                   | -36.4                                                     |
|               | Aug.             | 92.8                                                   | -17.6                                                     | 114.8                                                         | -7.1                                                      | 77.1                                                                                                                                   | -34.0                                                     |
|               | Sep.             | 108.9                                                  | -8.5                                                      | 132.4                                                         | 1.2                                                       | 110.6                                                                                                                                  | -10.6                                                     |
|               | Oct.             | 106.3                                                  | -7.4                                                      | 149.6                                                         | 0.3                                                       | 109.2                                                                                                                                  | -7.0                                                      |
|               | Nov.             | 116.5                                                  | -7.8                                                      | 152.4                                                         | -2.8                                                      | 133.3                                                                                                                                  | -2.9                                                      |
|               | Dec.             | 106.2                                                  | -2.0                                                      | 155.1                                                         | 1.0                                                       | 176.0                                                                                                                                  | 18.7                                                      |
| 2021          | Jan.             | 114.1                                                  | -1.4                                                      | 133.6                                                         | -2.5                                                      | 185.3                                                                                                                                  | 21.2                                                      |
|               | Feb.             | 121.9                                                  | 0.9                                                       | 128.4                                                         | -2.4                                                      | 171.9                                                                                                                                  | 14.9                                                      |
|               | Mar.             | 129.0                                                  | 16.6                                                      | 134.3                                                         | 4.9                                                       | 195.0                                                                                                                                  | 16.8                                                      |
|               | Apr.             | 104.0                                                  | 179.6                                                     | 101.4                                                         | 329.7                                                     | 203.1                                                                                                                                  | 311.7                                                     |
|               | May              | 105.7                                                  | 54.7                                                      | 89.1                                                          | 29.8                                                      | 204.8                                                                                                                                  | 59.8                                                      |
|               | Jun.             | 113.7                                                  | 19.5                                                      | 88.9                                                          | -32.2                                                     | 89.8                                                                                                                                   | -10.9                                                     |
|               | Jul.             | 96.5                                                   | 13.6                                                      | 90.5                                                          | -20.7                                                     | 61.4                                                                                                                                   | -23.1                                                     |
|               | Aug.             | 101.7                                                  | 9.6                                                       | 107.6                                                         | -6.3                                                      | 73.8                                                                                                                                   | -4.3                                                      |
|               | Sep.             | 126.8                                                  | 16.5                                                      | 122.6                                                         | -7.4                                                      | 89.4                                                                                                                                   | -19.2                                                     |
|               | Oct.             | 112.8                                                  | 6.1                                                       | 148.7                                                         | -0.6                                                      | 115.1                                                                                                                                  | 5.4                                                       |
|               | Nov.             | 127.8                                                  | 9.8                                                       | 155.8                                                         | 2.2                                                       | 150.3                                                                                                                                  | 12.7                                                      |
|               | Dec.             | 114.2                                                  | 7.6                                                       | 158.0                                                         | 1.8                                                       | 183.9                                                                                                                                  | 4.5                                                       |
| 2022          | Jan.             | 124.5                                                  | 9.1                                                       | 137.1                                                         | 2.6                                                       | 195.6                                                                                                                                  | 5.5                                                       |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index           |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       | Indeks/ Index                                                              |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  | Indeks/ Index |  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  |
|---------------------|------------------|-------------------------|-------|-----------------------------------------------------------|-------|----------------------------------------------------------------------------|-------|-----------------------------------------------------------|--|---------------|--|-----------------------------------------------------------|--|
|                     |                  | Pembuatan kasut         |       | Pengilangan dan pengetaman<br>kayu                        |       | Pembuatan produk daripada kayu,<br>gabus, jerami dan bahan jalinan<br>lain |       |                                                           |  |               |  |                                                           |  |
|                     |                  | Manufacture of footwear |       | Sawmilling and planning of wood                           |       | Manufacture of products of wood,<br>cork, straw and plaiting materials     |       |                                                           |  |               |  |                                                           |  |
| Kod/Codes           |                  | 152                     |       | 161                                                       |       | 162                                                                        |       |                                                           |  |               |  |                                                           |  |
| Wajaran/Weight 2015 |                  | 0.09                    |       | 0.35                                                      |       | 1.09                                                                       |       |                                                           |  |               |  |                                                           |  |
| 2019                |                  | 116.8                   | 3.7   | 126.8                                                     | -2.9  | 115.7                                                                      | 7.9   |                                                           |  |               |  |                                                           |  |
| 2020                |                  | 92.5                    | -20.9 | 109.6                                                     | -13.6 | 102.3                                                                      | -11.6 |                                                           |  |               |  |                                                           |  |
| 2021                |                  | 96.0                    | 3.8   | 124.5                                                     | 13.6  | 110.2                                                                      | 7.7   |                                                           |  |               |  |                                                           |  |
| 2020                | Q1               | 116.7                   | 1.0   | 127.4                                                     | -7.7  | 117.7                                                                      | 6.3   |                                                           |  |               |  |                                                           |  |
|                     | Q2               | 58.2                    | -51.3 | 69.8                                                      | -49.2 | 67.2                                                                       | -38.7 |                                                           |  |               |  |                                                           |  |
|                     | Q3               | 94.7                    | -20.1 | 118.8                                                     | -0.7  | 103.3                                                                      | -11.0 |                                                           |  |               |  |                                                           |  |
|                     | Q4               | 100.3                   | -11.7 | 122.3                                                     | 9.2   | 120.9                                                                      | -4.2  |                                                           |  |               |  |                                                           |  |
| 2021                | Q1               | 109.6                   | -6.1  | 127.3                                                     | -0.1  | 116.6                                                                      | -1.0  |                                                           |  |               |  |                                                           |  |
|                     | Q2               | 96.7                    | 66.1  | 91.1                                                      | 30.5  | 110.4                                                                      | 64.2  |                                                           |  |               |  |                                                           |  |
|                     | Q3               | 77.9                    | -17.7 | 134.5                                                     | 13.2  | 85.9                                                                       | -16.8 |                                                           |  |               |  |                                                           |  |
|                     | Q4               | 99.8                    | -0.5  | 144.9                                                     | 18.5  | 127.7                                                                      | 5.6   |                                                           |  |               |  |                                                           |  |
| 2020                | Jan.             | 121.3                   | 1.6   | 118.9                                                     | -20.6 | 122.6                                                                      | 12.7  |                                                           |  |               |  |                                                           |  |
|                     | Feb.             | 113.1                   | 5.4   | 141.4                                                     | 7.4   | 120.0                                                                      | 6.5   |                                                           |  |               |  |                                                           |  |
|                     | Mar.             | 115.8                   | -3.5  | 121.8                                                     | -8.1  | 110.6                                                                      | -0.3  |                                                           |  |               |  |                                                           |  |
|                     | Apr.             | 11.4                    | -89.9 | 21.7                                                      | -84.7 | 25.1                                                                       | -77.0 |                                                           |  |               |  |                                                           |  |
|                     | May              | 55.2                    | -56.3 | 50.0                                                      | -63.8 | 59.0                                                                       | -46.0 |                                                           |  |               |  |                                                           |  |
|                     | Jun.             | 108.1                   | -10.0 | 137.7                                                     | 3.6   | 117.5                                                                      | 6.1   |                                                           |  |               |  |                                                           |  |
|                     | Jul.             | 97.5                    | -17.6 | 113.8                                                     | -4.3  | 99.3                                                                       | -12.5 |                                                           |  |               |  |                                                           |  |
|                     | Aug.             | 95.9                    | -21.5 | 122.4                                                     | 1.8   | 95.8                                                                       | -17.2 |                                                           |  |               |  |                                                           |  |
|                     | Sep.             | 90.6                    | -21.2 | 120.2                                                     | 0.3   | 114.7                                                                      | -3.6  |                                                           |  |               |  |                                                           |  |
|                     | Oct.             | 95.9                    | -11.1 | 107.9                                                     | -3.7  | 118.3                                                                      | -4.8  |                                                           |  |               |  |                                                           |  |
|                     | Nov.             | 104.3                   | -13.4 | 134.9                                                     | 18.9  | 117.2                                                                      | -5.6  |                                                           |  |               |  |                                                           |  |
|                     | Dec.             | 100.7                   | -10.6 | 124.2                                                     | 12.3  | 127.2                                                                      | -2.4  |                                                           |  |               |  |                                                           |  |
| 2021                | Jan.             | 107.9                   | -11.0 | 120.1                                                     | 1.0   | 117.7                                                                      | -4.0  |                                                           |  |               |  |                                                           |  |
|                     | Feb.             | 104.3                   | -7.7  | 135.5                                                     | -4.2  | 115.1                                                                      | -4.0  |                                                           |  |               |  |                                                           |  |
|                     | Mar.             | 116.5                   | 0.6   | 126.3                                                     | 3.6   | 116.9                                                                      | 5.7   |                                                           |  |               |  |                                                           |  |
|                     | Apr.             | 112.1                   | 885.6 | 92.6                                                      | 326.8 | 114.4                                                                      | 355.4 |                                                           |  |               |  |                                                           |  |
|                     | May              | 106.4                   | 92.8  | 86.1                                                      | 72.1  | 114.5                                                                      | 94.2  |                                                           |  |               |  |                                                           |  |
|                     | Jun.             | 71.6                    | -33.8 | 94.6                                                      | -31.3 | 102.2                                                                      | -13.0 |                                                           |  |               |  |                                                           |  |
|                     | Jul.             | 70.8                    | -27.4 | 82.3                                                      | -27.7 | 78.2                                                                       | -21.2 |                                                           |  |               |  |                                                           |  |
|                     | Aug.             | 77.9                    | -18.8 | 160.2                                                     | 30.8  | 80.8                                                                       | -15.7 |                                                           |  |               |  |                                                           |  |
|                     | Sep.             | 85.1                    | -6.1  | 160.9                                                     | 33.9  | 98.8                                                                       | -13.9 |                                                           |  |               |  |                                                           |  |
|                     | Oct.             | 97.4                    | 1.6   | 136.6                                                     | 26.7  | 117.0                                                                      | -1.1  |                                                           |  |               |  |                                                           |  |
|                     | Nov.             | 101.2                   | -2.9  | 158.3                                                     | 17.4  | 129.7                                                                      | 10.7  |                                                           |  |               |  |                                                           |  |
|                     | Dec.             | 100.6                   | 0.0   | 139.9                                                     | 12.6  | 136.4                                                                      | 7.2   |                                                           |  |               |  |                                                           |  |
| 2022                | Jan.             | 105.2                   | -2.5  | 133.7                                                     | 11.3  | 131.0                                                                      | 11.3  |                                                           |  |               |  |                                                           |  |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                              | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                   | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|--------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan kertas dan produk<br>kertas      |                                                           | Percetakan dan aktiviti<br>perkhidmatan berkaitan<br>percetakan |                                                           | Pembuatan produk petroleum<br>bertapis       |                                                           |
|                     |                  | Manufacture of paper and paper<br>products |                                                           | Printing and service activities<br>related to printing          |                                                           | Manufacture of refined petroleum<br>products |                                                           |
| Kod/Codes           |                  | 170                                        |                                                           | 181                                                             |                                                           | 192                                          |                                                           |
| Wajaran/Weight 2015 |                  | 1.15                                       |                                                           | 0.92                                                            |                                                           | 9.36                                         |                                                           |
| 2019                |                  | 120.0                                      | 4.3                                                       | 119.2                                                           | 4.1                                                       | 113.2                                        | 2.7                                                       |
| 2020                |                  | 116.5                                      | -2.9                                                      | 113.1                                                           | -5.1                                                      | 101.2                                        | -10.6                                                     |
| 2021                |                  | 133.8                                      | 14.9                                                      | 116.6                                                           | 3.1                                                       | 112.9                                        | 11.6                                                      |
| 2020                | Q1               | 118.2                                      | -1.1                                                      | 114.7                                                           | 1.9                                                       | 120.8                                        | 3.6                                                       |
|                     | Q2               | 96.5                                       | -20.0                                                     | 83.3                                                            | -29.2                                                     | 78.8                                         | -28.7                                                     |
|                     | Q3               | 123.2                                      | 4.8                                                       | 126.0                                                           | 3.2                                                       | 98.0                                         | -9.7                                                      |
|                     | Q4               | 128.2                                      | 4.9                                                       | 128.5                                                           | 3.3                                                       | 107.1                                        | -8.6                                                      |
| 2021                | Q1               | 130.8                                      | 10.7                                                      | 119.5                                                           | 4.2                                                       | 113.7                                        | -5.9                                                      |
|                     | Q2               | 121.9                                      | 26.4                                                      | 107.1                                                           | 28.6                                                      | 105.9                                        | 34.5                                                      |
|                     | Q3               | 133.5                                      | 8.4                                                       | 109.3                                                           | -13.2                                                     | 115.6                                        | 18.0                                                      |
|                     | Q4               | 149.0                                      | 16.2                                                      | 130.6                                                           | 1.7                                                       | 116.3                                        | 8.6                                                       |
| 2020                | Jan.             | 119.7                                      | 0.2                                                       | 124.7                                                           | 5.9                                                       | 125.1                                        | 3.7                                                       |
|                     | Feb.             | 122.9                                      | 5.1                                                       | 117.7                                                           | 6.1                                                       | 119.9                                        | 6.5                                                       |
|                     | Mar.             | 111.9                                      | -8.4                                                      | 101.7                                                           | -6.6                                                      | 117.5                                        | 0.8                                                       |
|                     | Apr.             | 64.9                                       | -47.6                                                     | 51.5                                                            | -54.2                                                     | 66.3                                         | -36.3                                                     |
|                     | May              | 95.7                                       | -21.2                                                     | 80.2                                                            | -30.0                                                     | 69.7                                         | -38.3                                                     |
|                     | Jun.             | 128.8                                      | 10.7                                                      | 118.2                                                           | -6.3                                                      | 100.3                                        | -12.1                                                     |
|                     | Jul.             | 125.8                                      | 6.6                                                       | 131.8                                                           | 4.8                                                       | 98.4                                         | -11.0                                                     |
|                     | Aug.             | 114.2                                      | 2.4                                                       | 123.8                                                           | 2.0                                                       | 96.9                                         | -8.5                                                      |
|                     | Sep.             | 129.6                                      | 5.1                                                       | 122.3                                                           | 2.8                                                       | 98.7                                         | -9.6                                                      |
|                     | Oct.             | 119.5                                      | 5.7                                                       | 120.1                                                           | 2.5                                                       | 104.5                                        | -11.1                                                     |
|                     | Nov.             | 129.4                                      | 3.5                                                       | 123.6                                                           | 2.8                                                       | 104.9                                        | -11.0                                                     |
|                     | Dec.             | 135.5                                      | 5.3                                                       | 141.7                                                           | 4.4                                                       | 112.0                                        | -3.8                                                      |
| 2021                | Jan.             | 130.1                                      | 8.7                                                       | 125.9                                                           | 1.0                                                       | 109.7                                        | -12.3                                                     |
|                     | Feb.             | 130.7                                      | 6.3                                                       | 119.7                                                           | 1.8                                                       | 115.8                                        | -3.4                                                      |
|                     | Mar.             | 131.7                                      | 17.7                                                      | 112.8                                                           | 10.9                                                      | 115.7                                        | -1.6                                                      |
|                     | Apr.             | 122.5                                      | 88.7                                                      | 116.5                                                           | 126.2                                                     | 93.3                                         | 40.7                                                      |
|                     | May              | 114.2                                      | 19.3                                                      | 110.8                                                           | 38.2                                                      | 107.0                                        | 53.4                                                      |
|                     | Jun.             | 129.0                                      | 0.2                                                       | 94.1                                                            | -20.4                                                     | 117.6                                        | 17.2                                                      |
|                     | Jul.             | 122.8                                      | -2.4                                                      | 98.7                                                            | -25.1                                                     | 122.6                                        | 24.6                                                      |
|                     | Aug.             | 129.8                                      | 13.7                                                      | 110.6                                                           | -10.7                                                     | 116.3                                        | 20.0                                                      |
|                     | Sep.             | 147.9                                      | 14.2                                                      | 118.7                                                           | -3.0                                                      | 107.9                                        | 9.3                                                       |
|                     | Oct.             | 139.9                                      | 17.0                                                      | 120.0                                                           | -0.2                                                      | 114.9                                        | 10.0                                                      |
|                     | Nov.             | 154.6                                      | 19.5                                                      | 125.9                                                           | 1.8                                                       | 121.3                                        | 15.6                                                      |
|                     | Dec.             | 152.4                                      | 12.4                                                      | 146.1                                                           | 3.1                                                       | 112.8                                        | 0.7                                                       |
| 2022                | Jan.             | 149.2                                      | 14.6                                                      | 127.7                                                           | 1.5                                                       | 111.8                                        | 2.0                                                       |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year | Tempoh<br>Period | Indeks/ Index                                                                                                           | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                 | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                    | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------|------------------|-------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------|-----------------------------------------------------------|
|               |                  | Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer                        |                                                           | Pembuatan produk kimia lain                   |                                                           | Pembuatan produk farmaseutikal, kimia perubatan dan botani                       |                                                           |
|               |                  | <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastic and synthetic rubber in primary forms</i> |                                                           | <i>Manufacture of other chemical products</i> |                                                           | <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i> |                                                           |
|               |                  | Kod/Codes                                                                                                               | 201                                                       | 202                                           | 210                                                       |                                                                                  |                                                           |
|               |                  | Wajaran/Weight 2015                                                                                                     | 4.96                                                      | 1.38                                          | 0.38                                                      |                                                                                  |                                                           |
| 2019          |                  | 119.3                                                                                                                   | 2.4                                                       | 111.1                                         | -0.3                                                      | 120.7                                                                            | 4.2                                                       |
| 2020          |                  | 109.9                                                                                                                   | -7.8                                                      | 107.2                                         | -3.6                                                      | 138.2                                                                            | 14.5                                                      |
| 2021          |                  | 121.4                                                                                                                   | 10.4                                                      | 113.2                                         | 5.6                                                       | 159.9                                                                            | 15.7                                                      |
| 2020          | Q1               | 117.5                                                                                                                   | 4.3                                                       | 108.2                                         | -6.7                                                      | 117.0                                                                            | 4.3                                                       |
|               | Q2               | 96.6                                                                                                                    | -20.4                                                     | 98.4                                          | -10.9                                                     | 140.0                                                                            | 13.3                                                      |
|               | Q3               | 111.3                                                                                                                   | -9.4                                                      | 112.3                                         | 0.8                                                       | 154.5                                                                            | 22.9                                                      |
|               | Q4               | 114.3                                                                                                                   | -5.0                                                      | 109.8                                         | 2.9                                                       | 141.5                                                                            | 16.5                                                      |
| 2021          | Q1               | 124.8                                                                                                                   | 6.2                                                       | 106.5                                         | -1.6                                                      | 142.1                                                                            | 21.5                                                      |
|               | Q2               | 113.3                                                                                                                   | 17.3                                                      | 111.6                                         | 13.4                                                      | 155.1                                                                            | 10.8                                                      |
|               | Q3               | 120.1                                                                                                                   | 7.8                                                       | 117.7                                         | 4.8                                                       | 173.4                                                                            | 12.2                                                      |
|               | Q4               | 127.4                                                                                                                   | 11.5                                                      | 117.0                                         | 6.6                                                       | 169.1                                                                            | 19.5                                                      |
| 2020          | Jan.             | 116.7                                                                                                                   | 5.7                                                       | 108.6                                         | -9.9                                                      | 105.7                                                                            | 4.0                                                       |
|               | Feb.             | 118.1                                                                                                                   | 6.7                                                       | 109.1                                         | -1.4                                                      | 121.3                                                                            | 5.5                                                       |
|               | Mar.             | 117.7                                                                                                                   | 0.6                                                       | 107.0                                         | -8.4                                                      | 123.9                                                                            | 3.5                                                       |
|               | Apr.             | 89.2                                                                                                                    | -23.4                                                     | 80.9                                          | -28.0                                                     | 131.3                                                                            | 4.5                                                       |
|               | May              | 89.4                                                                                                                    | -27.6                                                     | 100.1                                         | -8.3                                                      | 139.3                                                                            | 3.0                                                       |
|               | Jun.             | 111.2                                                                                                                   | -10.3                                                     | 114.2                                         | 3.8                                                       | 149.6                                                                            | 36.1                                                      |
|               | Jul.             | 110.2                                                                                                                   | -11.1                                                     | 114.3                                         | 3.9                                                       | 151.6                                                                            | 21.2                                                      |
|               | Aug.             | 110.5                                                                                                                   | -10.0                                                     | 109.4                                         | -1.9                                                      | 150.7                                                                            | 23.0                                                      |
|               | Sep.             | 113.3                                                                                                                   | -7.1                                                      | 113.2                                         | 0.6                                                       | 161.1                                                                            | 24.6                                                      |
|               | Oct.             | 113.1                                                                                                                   | -8.3                                                      | 110.0                                         | -3.1                                                      | 150.0                                                                            | 17.9                                                      |
|               | Nov.             | 107.8                                                                                                                   | -7.4                                                      | 110.2                                         | 5.9                                                       | 135.9                                                                            | 13.8                                                      |
|               | Dec.             | 121.9                                                                                                                   | 0.8                                                       | 109.1                                         | 6.4                                                       | 138.4                                                                            | 17.5                                                      |
| 2021          | Jan.             | 117.8                                                                                                                   | 1.0                                                       | 106.4                                         | -2.0                                                      | 125.7                                                                            | 18.9                                                      |
|               | Feb.             | 124.4                                                                                                                   | 5.4                                                       | 105.7                                         | -3.1                                                      | 147.3                                                                            | 21.4                                                      |
|               | Mar.             | 132.0                                                                                                                   | 12.1                                                      | 107.4                                         | 0.4                                                       | 153.5                                                                            | 23.8                                                      |
|               | Apr.             | 105.6                                                                                                                   | 18.3                                                      | 109.0                                         | 34.7                                                      | 149.9                                                                            | 14.1                                                      |
|               | May              | 102.6                                                                                                                   | 14.8                                                      | 107.2                                         | 7.1                                                       | 149.4                                                                            | 7.3                                                       |
|               | Jun.             | 131.7                                                                                                                   | 18.4                                                      | 118.5                                         | 3.7                                                       | 166.1                                                                            | 11.0                                                      |
|               | Jul.             | 116.8                                                                                                                   | 6.0                                                       | 109.0                                         | -4.7                                                      | 165.1                                                                            | 8.9                                                       |
|               | Aug.             | 123.2                                                                                                                   | 11.4                                                      | 119.7                                         | 9.4                                                       | 170.3                                                                            | 13.0                                                      |
|               | Sep.             | 120.3                                                                                                                   | 6.1                                                       | 124.5                                         | 10.0                                                      | 184.8                                                                            | 14.7                                                      |
|               | Oct.             | 126.5                                                                                                                   | 11.9                                                      | 119.6                                         | 8.7                                                       | 177.7                                                                            | 18.4                                                      |
|               | Nov.             | 120.6                                                                                                                   | 11.9                                                      | 113.3                                         | 2.8                                                       | 162.0                                                                            | 19.2                                                      |
|               | Dec.             | 135.1                                                                                                                   | 10.8                                                      | 118.0                                         | 8.2                                                       | 167.7                                                                            | 21.1                                                      |
| 2022          | Jan.             | 125.9                                                                                                                   | 6.8                                                       | 114.8                                         | 7.8                                                       | 150.8                                                                            | 20.0                                                      |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                    | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                           | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|--------------------------------|-----------------------------------------------------------|----------------------------------|-----------------------------------------------------------|-----------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan produk getah         |                                                           | Pembuatan produk plastik         |                                                           | Pembuatan kaca dan produk kaca          |                                                           |
|                     |                  | Manufacture of rubber products |                                                           | Manufacture of plastics products |                                                           | Manufacture of glass and glass products |                                                           |
| Kod/Codes           |                  | 221                            |                                                           | 222                              |                                                           | 231                                     |                                                           |
| Wajaran/Weight 2015 |                  | 2.22                           |                                                           | 2.26                             |                                                           | 0.38                                    |                                                           |
| 2019                |                  | 123.9                          | 6.8                                                       | 114.1                            | 2.9                                                       | 128.9                                   | 0.8                                                       |
| 2020                |                  | 184.4                          | 48.9                                                      | 116.5                            | 2.1                                                       | 120.9                                   | -6.2                                                      |
| 2021                |                  | 227.2                          | 23.2                                                      | 130.6                            | 12.1                                                      | 103.0                                   | -14.8                                                     |
| 2020                | Q1               | 141.6                          | 20.5                                                      | 108.7                            | -0.1                                                      | 114.5                                   | -3.6                                                      |
|                     | Q2               | 179.0                          | 45.8                                                      | 101.3                            | -8.6                                                      | 94.7                                    | -29.0                                                     |
|                     | Q3               | 204.5                          | 61.1                                                      | 127.0                            | 8.7                                                       | 139.2                                   | 3.7                                                       |
|                     | Q4               | 212.7                          | 65.9                                                      | 129.2                            | 7.7                                                       | 135.3                                   | 4.8                                                       |
| 2021                | Q1               | 240.3                          | 69.7                                                      | 122.9                            | 13.0                                                      | 98.0                                    | -14.4                                                     |
|                     | Q2               | 262.4                          | 46.6                                                      | 122.5                            | 20.9                                                      | 84.8                                    | -10.5                                                     |
|                     | Q3               | 217.4                          | 6.3                                                       | 138.0                            | 8.7                                                       | 102.5                                   | -26.4                                                     |
|                     | Q4               | 188.6                          | -11.3                                                     | 139.1                            | 7.7                                                       | 126.7                                   | -6.4                                                      |
| 2020                | Jan.             | 130.9                          | 11.0                                                      | 111.8                            | 0.1                                                       | 128.2                                   | 6.2                                                       |
|                     | Feb.             | 128.8                          | 14.4                                                      | 112.0                            | 3.5                                                       | 111.0                                   | -3.8                                                      |
|                     | Mar.             | 165.0                          | 35.3                                                      | 102.5                            | -4.1                                                      | 104.3                                   | -13.3                                                     |
|                     | Apr.             | 166.7                          | 37.3                                                      | 84.3                             | -21.5                                                     | 78.3                                    | -38.8                                                     |
|                     | May              | 171.0                          | 35.3                                                      | 92.3                             | -18.3                                                     | 82.1                                    | -38.2                                                     |
|                     | Jun.             | 199.4                          | 65.5                                                      | 127.2                            | 13.6                                                      | 123.8                                   | -11.4                                                     |
|                     | Jul.             | 207.0                          | 62.0                                                      | 128.8                            | 10.2                                                      | 145.6                                   | 6.5                                                       |
|                     | Aug.             | 200.3                          | 55.4                                                      | 125.1                            | 7.6                                                       | 140.0                                   | 2.9                                                       |
|                     | Sep.             | 206.3                          | 66.0                                                      | 127.1                            | 8.3                                                       | 132.1                                   | 1.4                                                       |
|                     | Oct.             | 218.8                          | 70.0                                                      | 125.8                            | 7.1                                                       | 140.7                                   | 6.5                                                       |
|                     | Nov.             | 199.7                          | 66.6                                                      | 131.3                            | 7.3                                                       | 132.9                                   | 5.9                                                       |
|                     | Dec.             | 219.6                          | 61.5                                                      | 130.3                            | 8.7                                                       | 132.2                                   | 2.1                                                       |
| 2021                | Jan.             | 229.3                          | 75.1                                                      | 124.6                            | 11.5                                                      | 101.7                                   | -20.7                                                     |
|                     | Feb.             | 213.9                          | 66.1                                                      | 125.6                            | 12.1                                                      | 90.9                                    | -18.1                                                     |
|                     | Mar.             | 277.7                          | 68.3                                                      | 118.5                            | 15.6                                                      | 101.6                                   | -2.6                                                      |
|                     | Apr.             | 269.4                          | 61.6                                                      | 111.2                            | 31.8                                                      | 91.6                                    | 17.1                                                      |
|                     | May              | 250.9                          | 46.7                                                      | 113.5                            | 22.9                                                      | 85.2                                    | 3.7                                                       |
|                     | Jun.             | 267.0                          | 33.9                                                      | 142.7                            | 12.2                                                      | 77.7                                    | -37.3                                                     |
|                     | Jul.             | 237.3                          | 14.6                                                      | 139.0                            | 7.9                                                       | 85.6                                    | -41.2                                                     |
|                     | Aug.             | 217.5                          | 8.6                                                       | 138.2                            | 10.5                                                      | 109.5                                   | -21.8                                                     |
|                     | Sep.             | 197.4                          | -4.3                                                      | 136.8                            | 7.6                                                       | 112.5                                   | -14.9                                                     |
|                     | Oct.             | 196.7                          | -10.1                                                     | 133.8                            | 6.3                                                       | 130.4                                   | -7.3                                                      |
|                     | Nov.             | 177.8                          | -10.9                                                     | 143.4                            | 9.2                                                       | 126.0                                   | -5.2                                                      |
|                     | Dec.             | 191.2                          | -12.9                                                     | 140.2                            | 7.6                                                       | 123.6                                   | -6.5                                                      |
| 2022                | Jan.             | 184.0                          | -19.7                                                     | 133.4                            | 7.1                                                       | 110.1                                   | 8.3                                                       |

Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)

Table 4: Manufacturing Indices at Division Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                          | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                 | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|--------------------------------------------------------|-----------------------------------------------------------|-------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan pengeluaran galian<br>bukan logam t.t.t.l.   |                                                           | Pembuatan besi dan keluli asas      |                                                           | Pembuatan logam asas berharga<br>dan logam bukan ferus lain   |                                                           |
|                     |                  | Manufacture of non-metallic<br>mineral products n.e.c. |                                                           | Manufacture of basic iron and steel |                                                           | Manufacture of basic precious and<br>other non-ferrous metals |                                                           |
| Kod/Codes           |                  | 239                                                    |                                                           | 241                                 |                                                           | 242                                                           |                                                           |
| Wajaran/Weight 2015 |                  | 2.60                                                   |                                                           | 1.47                                |                                                           | 0.71                                                          |                                                           |
| 2019                |                  | 119.1                                                  | 5.1                                                       | 116.7                               | 4.6                                                       | 116.0                                                         | 3.4                                                       |
| 2020                |                  | 100.5                                                  | -15.6                                                     | 113.4                               | -2.8                                                      | 106.5                                                         | -8.2                                                      |
| 2021                |                  | 104.3                                                  | 3.8                                                       | 114.5                               | 1.0                                                       | 112.7                                                         | 5.8                                                       |
| 2020                | Q1               | 114.4                                                  | -0.1                                                      | 113.7                               | 0.0                                                       | 105.8                                                         | 2.4                                                       |
|                     | Q2               | 58.6                                                   | -50.1                                                     | 93.4                                | -19.2                                                     | 73.3                                                          | -38.4                                                     |
|                     | Q3               | 108.3                                                  | -10.1                                                     | 128.7                               | 7.0                                                       | 119.4                                                         | -4.6                                                      |
|                     | Q4               | 120.7                                                  | -2.6                                                      | 117.8                               | 0.5                                                       | 127.5                                                         | 9.5                                                       |
| 2021                | Q1               | 120.1                                                  | 5.0                                                       | 115.1                               | 1.2                                                       | 116.3                                                         | 9.9                                                       |
|                     | Q2               | 87.0                                                   | 48.3                                                      | 103.6                               | 10.9                                                      | 104.3                                                         | 42.2                                                      |
|                     | Q3               | 85.9                                                   | -20.7                                                     | 112.0                               | -13.0                                                     | 102.0                                                         | -14.6                                                     |
|                     | Q4               | 124.4                                                  | 3.0                                                       | 127.3                               | 8.1                                                       | 128.4                                                         | 0.7                                                       |
| 2020                | Jan.             | 122.2                                                  | 4.0                                                       | 112.0                               | -0.4                                                      | 115.7                                                         | 14.6                                                      |
|                     | Feb.             | 114.5                                                  | 7.5                                                       | 118.5                               | 8.6                                                       | 110.9                                                         | 8.2                                                       |
|                     | Mar.             | 106.6                                                  | -10.8                                                     | 110.5                               | -7.5                                                      | 90.8                                                          | -14.7                                                     |
|                     | Apr.             | 26.1                                                   | -77.3                                                     | 71.4                                | -38.6                                                     | 27.4                                                          | -75.6                                                     |
|                     | May              | 54.9                                                   | -52.8                                                     | 74.7                                | -33.0                                                     | 70.0                                                          | -41.7                                                     |
|                     | Jun.             | 94.9                                                   | -21.5                                                     | 134.0                               | 12.9                                                      | 122.6                                                         | -1.6                                                      |
|                     | Jul.             | 106.0                                                  | -12.3                                                     | 133.5                               | 7.7                                                       | 127.3                                                         | -4.0                                                      |
|                     | Aug.             | 109.9                                                  | -10.1                                                     | 127.3                               | 6.9                                                       | 113.5                                                         | -6.5                                                      |
|                     | Sep.             | 108.8                                                  | -7.9                                                      | 125.4                               | 6.6                                                       | 117.6                                                         | -3.4                                                      |
|                     | Oct.             | 118.1                                                  | -3.9                                                      | 120.3                               | 3.0                                                       | 124.6                                                         | 3.9                                                       |
|                     | Nov.             | 119.1                                                  | -3.3                                                      | 118.5                               | -0.1                                                      | 126.9                                                         | 9.7                                                       |
|                     | Dec.             | 125.0                                                  | -0.7                                                      | 114.7                               | -1.5                                                      | 131.1                                                         | 15.0                                                      |
| 2021                | Jan.             | 126.4                                                  | 3.5                                                       | 115.8                               | 3.4                                                       | 122.8                                                         | 6.2                                                       |
|                     | Feb.             | 116.3                                                  | 1.6                                                       | 113.6                               | -4.1                                                      | 116.9                                                         | 5.4                                                       |
|                     | Mar.             | 117.6                                                  | 10.4                                                      | 115.8                               | 4.8                                                       | 109.1                                                         | 20.1                                                      |
|                     | Apr.             | 104.6                                                  | 300.2                                                     | 116.1                               | 62.6                                                      | 111.4                                                         | 306.6                                                     |
|                     | May              | 86.5                                                   | 57.6                                                      | 104.3                               | 39.6                                                      | 106.2                                                         | 51.8                                                      |
|                     | Jun.             | 69.8                                                   | -26.4                                                     | 90.3                                | -32.6                                                     | 95.1                                                          | -22.4                                                     |
|                     | Jul.             | 67.5                                                   | -36.3                                                     | 90.7                                | -32.0                                                     | 86.1                                                          | -32.3                                                     |
|                     | Aug.             | 91.4                                                   | -16.9                                                     | 116.5                               | -8.5                                                      | 102.1                                                         | -10.1                                                     |
|                     | Sep.             | 98.8                                                   | -9.2                                                      | 128.7                               | 2.7                                                       | 117.7                                                         | 0.1                                                       |
|                     | Oct.             | 117.7                                                  | -0.3                                                      | 123.3                               | 2.5                                                       | 131.6                                                         | 5.7                                                       |
|                     | Nov.             | 125.1                                                  | 5.1                                                       | 130.1                               | 9.8                                                       | 124.8                                                         | -1.7                                                      |
|                     | Dec.             | 130.3                                                  | 4.3                                                       | 128.7                               | 12.2                                                      | 128.9                                                         | -1.7                                                      |
| 2022                | Jan.             | 132.9                                                  | 5.1                                                       | 124.2                               | 7.3                                                       | 129.5                                                         | 5.4                                                       |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year | Tempoh<br>Period | Indeks/ Index                                                                                                                              | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                                   | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                              | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------------------------------|-----------------------------------------------------------|
|               |                  | Pembuatan produk struktur<br>logam, tangki, takungan dan<br>penjana wap; Pembuatan senjata<br>dan peluru                                   |                                                           | Pembuatan produk lain yang<br>direka daripada logam; aktiviti<br>perkhidmatan kerja logam       |                                                           | Pembuatan komponen dan papan<br>elektronik                 |                                                           |
|               |                  | <i>Manufacture of structural metal<br/>products, tanks, reservoirs and<br/>steam generators; Manufacture of<br/>weapons and ammunition</i> |                                                           | <i>Manufacture of other fabricated<br/>metal products; metal working<br/>service activities</i> |                                                           | <i>Manufacture of electronic<br/>components and boards</i> |                                                           |
|               |                  | <b>Kod/Codes</b>                                                                                                                           | <b>251 &amp; 252</b>                                      | <b>259</b>                                                                                      |                                                           | <b>261</b>                                                 |                                                           |
|               |                  | <b>Wajaran/Weight 2015</b>                                                                                                                 | <b>1.39</b>                                               | <b>2.40</b>                                                                                     |                                                           | <b>7.68</b>                                                |                                                           |
| 2019          |                  | 120.1                                                                                                                                      | 4.2                                                       | 119.6                                                                                           | 3.4                                                       | 138.1                                                      | 2.2                                                       |
| 2020          |                  | 110.8                                                                                                                                      | -7.8                                                      | 95.8                                                                                            | -19.9                                                     | 143.2                                                      | 3.7                                                       |
| 2021          |                  | 115.7                                                                                                                                      | 4.5                                                       | 103.0                                                                                           | 7.5                                                       | 167.0                                                      | 16.6                                                      |
| 2020          | Q1               | 118.3                                                                                                                                      | 5.6                                                       | 115.5                                                                                           | -3.5                                                      | 127.0                                                      | 5.1                                                       |
|               | Q2               | 74.7                                                                                                                                       | -39.2                                                     | 66.4                                                                                            | -45.3                                                     | 126.2                                                      | -9.1                                                      |
|               | Q3               | 127.7                                                                                                                                      | -0.1                                                      | 96.3                                                                                            | -19.1                                                     | 160.7                                                      | 10.7                                                      |
|               | Q4               | 122.4                                                                                                                                      | 4.0                                                       | 105.2                                                                                           | -11.3                                                     | 158.9                                                      | 7.8                                                       |
| 2021          | Q1               | 123.9                                                                                                                                      | 4.7                                                       | 109.9                                                                                           | -4.8                                                      | 140.1                                                      | 10.3                                                      |
|               | Q2               | 100.0                                                                                                                                      | 34.0                                                      | 95.4                                                                                            | 43.7                                                      | 168.1                                                      | 33.2                                                      |
|               | Q3               | 103.8                                                                                                                                      | -18.7                                                     | 94.2                                                                                            | -2.2                                                      | 170.3                                                      | 6.0                                                       |
|               | Q4               | 135.3                                                                                                                                      | 10.6                                                      | 112.7                                                                                           | 7.1                                                       | 189.6                                                      | 19.4                                                      |
| 2020          | Jan.             | 126.9                                                                                                                                      | 13.1                                                      | 137.1                                                                                           | -0.7                                                      | 139.1                                                      | 7.6                                                       |
|               | Feb.             | 118.2                                                                                                                                      | 8.4                                                       | 106.5                                                                                           | 3.1                                                       | 114.5                                                      | 11.7                                                      |
|               | Mar.             | 109.9                                                                                                                                      | -4.4                                                      | 102.8                                                                                           | -12.5                                                     | 127.6                                                      | -2.4                                                      |
|               | Apr.             | 34.9                                                                                                                                       | -70.4                                                     | 50.3                                                                                            | -58.3                                                     | 92.7                                                       | -28.5                                                     |
|               | May              | 68.5                                                                                                                                       | -44.1                                                     | 65.5                                                                                            | -46.5                                                     | 114.8                                                      | -15.4                                                     |
|               | Jun.             | 120.6                                                                                                                                      | -5.9                                                      | 83.4                                                                                            | -31.2                                                     | 171.3                                                      | 13.1                                                      |
|               | Jul.             | 124.4                                                                                                                                      | -7.5                                                      | 92.0                                                                                            | -24.7                                                     | 170.8                                                      | 14.1                                                      |
|               | Aug.             | 129.2                                                                                                                                      | 5.1                                                       | 94.5                                                                                            | -20.1                                                     | 151.5                                                      | 7.5                                                       |
|               | Sep.             | 129.5                                                                                                                                      | 2.8                                                       | 102.4                                                                                           | -12.3                                                     | 159.9                                                      | 10.3                                                      |
|               | Oct.             | 128.5                                                                                                                                      | 7.5                                                       | 103.5                                                                                           | -13.7                                                     | 166.8                                                      | 8.5                                                       |
|               | Nov.             | 119.2                                                                                                                                      | 4.1                                                       | 105.4                                                                                           | -11.4                                                     | 156.4                                                      | 9.8                                                       |
|               | Dec.             | 119.5                                                                                                                                      | 0.4                                                       | 106.5                                                                                           | -8.6                                                      | 153.4                                                      | 5.1                                                       |
| 2021          | Jan.             | 128.7                                                                                                                                      | 1.5                                                       | 125.6                                                                                           | -8.4                                                      | 146.7                                                      | 5.5                                                       |
|               | Feb.             | 121.8                                                                                                                                      | 3.0                                                       | 95.6                                                                                            | -10.3                                                     | 128.7                                                      | 12.5                                                      |
|               | Mar.             | 121.1                                                                                                                                      | 10.2                                                      | 108.6                                                                                           | 5.6                                                       | 145.0                                                      | 13.6                                                      |
|               | Apr.             | 104.8                                                                                                                                      | 200.7                                                     | 102.2                                                                                           | 103.2                                                     | 154.8                                                      | 67.1                                                      |
|               | May              | 103.4                                                                                                                                      | 50.9                                                      | 100.9                                                                                           | 54.1                                                      | 157.0                                                      | 36.8                                                      |
|               | Jun.             | 91.9                                                                                                                                       | -23.8                                                     | 83.1                                                                                            | -0.3                                                      | 192.5                                                      | 12.4                                                      |
|               | Jul.             | 96.5                                                                                                                                       | -22.4                                                     | 79.9                                                                                            | -13.2                                                     | 163.6                                                      | -4.2                                                      |
|               | Aug.             | 100.3                                                                                                                                      | -22.4                                                     | 91.5                                                                                            | -3.2                                                      | 170.4                                                      | 12.5                                                      |
|               | Sep.             | 114.5                                                                                                                                      | -11.6                                                     | 111.3                                                                                           | 8.7                                                       | 176.9                                                      | 10.6                                                      |
|               | Oct.             | 134.1                                                                                                                                      | 4.3                                                       | 113.8                                                                                           | 9.9                                                       | 187.6                                                      | 12.4                                                      |
|               | Nov.             | 142.1                                                                                                                                      | 19.2                                                      | 112.8                                                                                           | 7.0                                                       | 190.0                                                      | 21.5                                                      |
|               | Dec.             | 129.8                                                                                                                                      | 8.6                                                       | 111.3                                                                                           | 4.5                                                       | 191.3                                                      | 24.7                                                      |
| 2022          | Jan.             | 145.6                                                                                                                                      | 13.1                                                      | 129.2                                                                                           | 2.9                                                       | 174.5                                                      | 19.0                                                      |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                        | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                             | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                              | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|------------------------------------------------------|-----------------------------------------------------------|-------------------------------------------|-----------------------------------------------------------|--------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan komputer dan<br>kelengkapan peranti        |                                                           | Pembuatan peralatan komunikasi            |                                                           | Pembuatan peralatan elektronik<br>pengguna |                                                           |
|                     |                  | Manufacture of computers and<br>peripheral equipment |                                                           | Manufacture of communication<br>equipment |                                                           | Manufacture of consumer<br>electronics     |                                                           |
| Kod/Codes           |                  | 262                                                  |                                                           | 263                                       |                                                           | 264                                        |                                                           |
| Wajaran/Weight 2015 |                  | 1.82                                                 |                                                           | 0.91                                      |                                                           | 2.43                                       |                                                           |
| 2019                |                  | 105.6                                                | 4.9                                                       | 116.6                                     | 5.4                                                       | 119.8                                      | 5.0                                                       |
| 2020                |                  | 104.1                                                | -1.4                                                      | 111.2                                     | -4.6                                                      | 125.4                                      | 4.7                                                       |
| 2021                |                  | 118.6                                                | 13.9                                                      | 97.2                                      | -12.6                                                     | 155.9                                      | 24.3                                                      |
| 2020                | Q1               | 95.9                                                 | -6.6                                                      | 106.7                                     | 0.8                                                       | 110.0                                      | -1.1                                                      |
|                     | Q2               | 90.8                                                 | -19.5                                                     | 93.5                                      | -20.2                                                     | 95.2                                       | -12.6                                                     |
|                     | Q3               | 120.7                                                | 12.4                                                      | 118.3                                     | -0.5                                                      | 145.8                                      | 10.6                                                      |
|                     | Q4               | 109.1                                                | 9.6                                                       | 126.4                                     | 1.5                                                       | 150.6                                      | 18.3                                                      |
| 2021                | Q1               | 105.1                                                | 9.6                                                       | 107.5                                     | 0.7                                                       | 138.6                                      | 26.0                                                      |
|                     | Q2               | 123.5                                                | 36.1                                                      | 81.2                                      | -13.1                                                     | 120.2                                      | 26.2                                                      |
|                     | Q3               | 125.4                                                | 3.9                                                       | 96.5                                      | -18.4                                                     | 177.3                                      | 21.6                                                      |
|                     | Q4               | 120.5                                                | 10.5                                                      | 103.6                                     | -18.0                                                     | 187.5                                      | 24.6                                                      |
| 2020                | Jan.             | 101.5                                                | -5.1                                                      | 126.0                                     | 6.1                                                       | 134.1                                      | -5.9                                                      |
|                     | Feb.             | 92.2                                                 | -5.0                                                      | 103.9                                     | 6.9                                                       | 101.5                                      | 5.6                                                       |
|                     | Mar.             | 94.1                                                 | -9.5                                                      | 90.3                                      | -11.3                                                     | 94.4                                       | -0.9                                                      |
|                     | Apr.             | 52.6                                                 | -51.3                                                     | 44.1                                      | -60.3                                                     | 56.4                                       | -45.4                                                     |
|                     | May              | 92.0                                                 | -20.3                                                     | 93.3                                      | -20.9                                                     | 107.3                                      | -2.7                                                      |
|                     | Jun.             | 127.8                                                | 11.0                                                      | 143.0                                     | 16.8                                                      | 122.1                                      | 7.7                                                       |
|                     | Jul.             | 126.8                                                | 14.5                                                      | 138.6                                     | 4.0                                                       | 125.2                                      | -3.7                                                      |
|                     | Aug.             | 122.9                                                | 8.4                                                       | 100.8                                     | 3.1                                                       | 143.3                                      | 14.5                                                      |
|                     | Sep.             | 112.4                                                | 14.5                                                      | 115.5                                     | -8.0                                                      | 168.9                                      | 20.5                                                      |
|                     | Oct.             | 121.6                                                | 7.8                                                       | 138.8                                     | 7.6                                                       | 143.0                                      | 11.9                                                      |
|                     | Nov.             | 103.1                                                | 10.1                                                      | 118.7                                     | 5.7                                                       | 145.7                                      | 13.0                                                      |
|                     | Dec.             | 102.6                                                | 11.5                                                      | 121.8                                     | -7.9                                                      | 163.0                                      | 30.1                                                      |
| 2021                | Jan.             | 105.5                                                | 4.0                                                       | 128.6                                     | 2.1                                                       | 171.4                                      | 27.9                                                      |
|                     | Feb.             | 95.9                                                 | 4.0                                                       | 109.2                                     | 5.1                                                       | 126.3                                      | 24.5                                                      |
|                     | Mar.             | 113.9                                                | 21.0                                                      | 84.6                                      | -6.3                                                      | 118.0                                      | 25.0                                                      |
|                     | Apr.             | 119.7                                                | 127.6                                                     | 73.0                                      | 65.5                                                      | 111.0                                      | 96.8                                                      |
|                     | May              | 108.4                                                | 17.9                                                      | 77.8                                      | -16.6                                                     | 112.7                                      | 5.0                                                       |
|                     | Jun.             | 142.5                                                | 11.5                                                      | 92.8                                      | -35.1                                                     | 137.0                                      | 12.2                                                      |
|                     | Jul.             | 131.2                                                | 3.5                                                       | 107.7                                     | -22.3                                                     | 141.8                                      | 13.3                                                      |
|                     | Aug.             | 128.4                                                | 4.5                                                       | 83.8                                      | -16.8                                                     | 168.8                                      | 17.8                                                      |
|                     | Sep.             | 116.6                                                | 3.8                                                       | 98.0                                      | -15.1                                                     | 221.4                                      | 31.0                                                      |
|                     | Oct.             | 134.6                                                | 10.6                                                      | 109.4                                     | -21.2                                                     | 189.8                                      | 32.7                                                      |
|                     | Nov.             | 111.6                                                | 8.2                                                       | 101.5                                     | -14.5                                                     | 180.0                                      | 23.6                                                      |
|                     | Dec.             | 115.5                                                | 12.6                                                      | 100.0                                     | -17.9                                                     | 192.8                                      | 18.3                                                      |
| 2022                | Jan.             | 119.9                                                | 13.6                                                      | 107.9                                     | -16.2                                                     | 207.0                                      | 20.8                                                      |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                                                                  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                     | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------|---------------------------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan kelengkapan<br>mengukur, menguji, memandu<br>arah dan kawalan; jam tangan dan<br>jam |                                                           | Pembuatan peralatan penyinaran,<br>perubatan elektro dan<br>elektroterapeutik     |                                                           | Pembuatan instrumen optikal dan<br>kelengkapan fotografi            |                                                           |
|                     |                  | Manufacture of measuring,<br>testing, navigating and control<br>equipment; watches and clocks  |                                                           | Manufacture of irradiation,<br>electromedical and<br>electrotherapeutic equipment |                                                           | Manufacture of optical<br>instruments and photographic<br>equipment |                                                           |
|                     |                  | Kod/Codes                                                                                      | 265                                                       | 266                                                                               | 267                                                       |                                                                     |                                                           |
| Wajaran/Weight 2015 |                  | 0.55                                                                                           | 0.40                                                      | 0.09                                                                              |                                                           |                                                                     |                                                           |
| 2019                |                  | 119.8                                                                                          | -0.6                                                      | 115.3                                                                             | 0.0                                                       | 110.7                                                               | -6.8                                                      |
| 2020                |                  | 117.3                                                                                          | -2.0                                                      | 121.4                                                                             | 5.2                                                       | 89.4                                                                | -19.2                                                     |
| 2021                |                  | 131.6                                                                                          | 12.2                                                      | 132.6                                                                             | 9.2                                                       | 84.6                                                                | -5.3                                                      |
| 2020                | Q1               | 110.8                                                                                          | 2.1                                                       | 116.0                                                                             | 6.0                                                       | 99.3                                                                | -18.4                                                     |
|                     | Q2               | 90.2                                                                                           | -17.7                                                     | 120.5                                                                             | 11.1                                                      | 89.1                                                                | -24.0                                                     |
|                     | Q3               | 130.9                                                                                          | 3.0                                                       | 135.1                                                                             | 2.4                                                       | 81.6                                                                | -17.2                                                     |
|                     | Q4               | 137.4                                                                                          | 2.6                                                       | 113.8                                                                             | 2.2                                                       | 87.5                                                                | -16.8                                                     |
| 2021                | Q1               | 121.0                                                                                          | 9.2                                                       | 123.8                                                                             | 6.8                                                       | 83.3                                                                | -16.1                                                     |
|                     | Q2               | 125.1                                                                                          | 38.7                                                      | 139.8                                                                             | 16.0                                                      | 81.3                                                                | -8.8                                                      |
|                     | Q3               | 134.0                                                                                          | 2.4                                                       | 132.3                                                                             | -2.1                                                      | 93.2                                                                | 14.2                                                      |
|                     | Q4               | 146.2                                                                                          | 6.4                                                       | 134.3                                                                             | 18.1                                                      | 80.6                                                                | -7.8                                                      |
| 2020                | Jan.             | 117.5                                                                                          | 11.6                                                      | 107.9                                                                             | 3.6                                                       | 102.9                                                               | -4.5                                                      |
|                     | Feb.             | 110.2                                                                                          | 6.1                                                       | 118.4                                                                             | 10.9                                                      | 104.4                                                               | -10.3                                                     |
|                     | Mar.             | 104.6                                                                                          | -10.0                                                     | 121.6                                                                             | 3.8                                                       | 90.7                                                                | -35.7                                                     |
|                     | Apr.             | 37.2                                                                                           | -63.8                                                     | 104.3                                                                             | 1.2                                                       | 83.6                                                                | -32.5                                                     |
|                     | May              | 104.0                                                                                          | -2.1                                                      | 111.0                                                                             | 1.2                                                       | 102.8                                                               | -13.4                                                     |
|                     | Jun.             | 129.5                                                                                          | 7.9                                                       | 146.3                                                                             | 29.8                                                      | 81.1                                                                | -26.0                                                     |
|                     | Jul.             | 130.9                                                                                          | 1.3                                                       | 141.8                                                                             | 3.1                                                       | 75.1                                                                | -18.4                                                     |
|                     | Aug.             | 127.3                                                                                          | 3.0                                                       | 155.7                                                                             | 5.5                                                       | 96.5                                                                | -18.5                                                     |
|                     | Sep.             | 134.5                                                                                          | 4.7                                                       | 107.9                                                                             | -2.7                                                      | 73.1                                                                | -14.1                                                     |
|                     | Oct.             | 131.3                                                                                          | 3.5                                                       | 124.0                                                                             | -4.4                                                      | 83.5                                                                | -18.1                                                     |
|                     | Nov.             | 138.7                                                                                          | 3.9                                                       | 107.3                                                                             | 2.6                                                       | 83.6                                                                | -22.2                                                     |
|                     | Dec.             | 142.2                                                                                          | 0.6                                                       | 110.1                                                                             | 10.2                                                      | 95.3                                                                | -9.9                                                      |
| 2021                | Jan.             | 121.3                                                                                          | 3.2                                                       | 115.2                                                                             | 6.8                                                       | 93.5                                                                | -9.1                                                      |
|                     | Feb.             | 120.4                                                                                          | 9.3                                                       | 119.1                                                                             | 0.7                                                       | 86.1                                                                | -17.5                                                     |
|                     | Mar.             | 121.3                                                                                          | 16.0                                                      | 137.1                                                                             | 12.7                                                      | 70.4                                                                | -22.4                                                     |
|                     | Apr.             | 109.6                                                                                          | 194.8                                                     | 132.3                                                                             | 26.9                                                      | 77.5                                                                | -7.3                                                      |
|                     | May              | 117.7                                                                                          | 13.2                                                      | 130.7                                                                             | 17.8                                                      | 83.7                                                                | -18.5                                                     |
|                     | Jun.             | 148.1                                                                                          | 14.3                                                      | 156.3                                                                             | 6.9                                                       | 82.7                                                                | 2.0                                                       |
|                     | Jul.             | 132.6                                                                                          | 1.3                                                       | 137.0                                                                             | -3.4                                                      | 89.4                                                                | 19.1                                                      |
|                     | Aug.             | 131.2                                                                                          | 3.0                                                       | 134.1                                                                             | -13.8                                                     | 103.1                                                               | 6.9                                                       |
|                     | Sep.             | 138.2                                                                                          | 2.8                                                       | 125.8                                                                             | 16.6                                                      | 86.9                                                                | 18.9                                                      |
|                     | Oct.             | 137.5                                                                                          | 4.7                                                       | 144.3                                                                             | 16.3                                                      | 82.8                                                                | -0.9                                                      |
|                     | Nov.             | 148.7                                                                                          | 7.2                                                       | 126.3                                                                             | 17.7                                                      | 74.5                                                                | -10.9                                                     |
|                     | Dec.             | 152.5                                                                                          | 7.2                                                       | 132.4                                                                             | 20.3                                                      | 84.6                                                                | -11.2                                                     |
| 2022                | Jan.             | 130.6                                                                                          | 23.2                                                      | 127.9                                                                             | 11.0                                                      | 76.1                                                                | -18.7                                                     |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year | Tempoh<br>Period | Indeks/ Index                                                                                                                  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                 | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------|------------------|--------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------|-----------------------------------------------------------|
|               |                  | Pembuatan motor elektrik,<br>penjana, transformer dan<br>perkakasan pengagihan dan<br>pengawalan elektrik                      |                                                           | Pembuatan pendawaian dan<br>peranti pendawaian      |                                                           | Pembuatan perkakasan domestik                 |                                                           |
|               |                  | <i>Manufacture of electric motors,<br/>generators, transformers and<br/>electricity distribution and control<br/>apparatus</i> |                                                           | <i>Manufacture of wiring and wiring<br/>devices</i> |                                                           | <i>Manufacture of domestic<br/>appliances</i> |                                                           |
|               |                  | <b>Kod/Codes</b>                                                                                                               | <b>271</b>                                                | <b>273</b>                                          |                                                           | <b>275</b>                                    |                                                           |
|               |                  | <b>Wajaran/Weight 2015</b>                                                                                                     | <b>0.65</b>                                               | <b>0.50</b>                                         |                                                           | <b>0.47</b>                                   |                                                           |
| 2019          |                  | 110.6                                                                                                                          | -0.7                                                      | 122.3                                               | 0.5                                                       | 123.7                                         | 6.3                                                       |
| 2020          |                  | 112.7                                                                                                                          | 1.8                                                       | 128.3                                               | 4.9                                                       | 127.2                                         | 2.9                                                       |
| 2021          |                  | 118.6                                                                                                                          | 5.3                                                       | 143.2                                               | 11.7                                                      | 136.1                                         | 7.0                                                       |
| 2020          | Q1               | 110.7                                                                                                                          | -3.2                                                      | 120.5                                               | -1.7                                                      | 108.8                                         | -1.5                                                      |
|               | Q2               | 114.4                                                                                                                          | 1.5                                                       | 125.8                                               | -1.3                                                      | 112.5                                         | -13.2                                                     |
|               | Q3               | 110.5                                                                                                                          | 6.5                                                       | 127.7                                               | 10.2                                                      | 156.2                                         | 15.4                                                      |
|               | Q4               | 115.0                                                                                                                          | 2.9                                                       | 139.2                                               | 12.7                                                      | 131.4                                         | 10.2                                                      |
| 2021          | Q1               | 111.0                                                                                                                          | 0.2                                                       | 133.9                                               | 11.2                                                      | 113.2                                         | 4.1                                                       |
|               | Q2               | 122.0                                                                                                                          | 6.7                                                       | 130.1                                               | 3.4                                                       | 127.7                                         | 13.5                                                      |
|               | Q3               | 116.6                                                                                                                          | 5.5                                                       | 148.2                                               | 16.1                                                      | 150.9                                         | -3.4                                                      |
|               | Q4               | 124.8                                                                                                                          | 8.6                                                       | 160.8                                               | 15.5                                                      | 152.7                                         | 16.2                                                      |
| 2020          | Jan.             | 117.5                                                                                                                          | 0.0                                                       | 124.4                                               | -3.0                                                      | 126.4                                         | 4.3                                                       |
|               | Feb.             | 106.5                                                                                                                          | -4.3                                                      | 123.3                                               | 6.1                                                       | 95.1                                          | 1.8                                                       |
|               | Mar.             | 108.3                                                                                                                          | -5.3                                                      | 113.7                                               | -7.9                                                      | 104.7                                         | -10.2                                                     |
|               | Apr.             | 112.0                                                                                                                          | -3.3                                                      | 104.9                                               | -17.8                                                     | 75.1                                          | -39.2                                                     |
|               | May              | 109.5                                                                                                                          | -1.6                                                      | 132.2                                               | 4.8                                                       | 107.4                                         | -15.1                                                     |
|               | Jun.             | 121.6                                                                                                                          | 9.5                                                       | 140.2                                               | 9.2                                                       | 155.0                                         | 11.4                                                      |
|               | Jul.             | 107.3                                                                                                                          | 12.7                                                      | 121.5                                               | 6.6                                                       | 147.9                                         | 10.9                                                      |
|               | Aug.             | 102.6                                                                                                                          | 1.5                                                       | 123.6                                               | 8.4                                                       | 172.3                                         | 25.0                                                      |
|               | Sep.             | 121.7                                                                                                                          | 5.8                                                       | 138.0                                               | 15.4                                                      | 148.3                                         | 10.0                                                      |
|               | Oct.             | 128.3                                                                                                                          | 5.8                                                       | 146.1                                               | 12.7                                                      | 134.6                                         | 7.7                                                       |
|               | Nov.             | 101.9                                                                                                                          | -1.6                                                      | 135.5                                               | 11.3                                                      | 119.3                                         | 9.9                                                       |
|               | Dec.             | 114.7                                                                                                                          | 4.1                                                       | 135.9                                               | 14.3                                                      | 140.4                                         | 13.1                                                      |
| 2021          | Jan.             | 124.5                                                                                                                          | 6.0                                                       | 145.5                                               | 17.0                                                      | 129.5                                         | 2.4                                                       |
|               | Feb.             | 99.4                                                                                                                           | -6.6                                                      | 130.8                                               | 6.1                                                       | 108.9                                         | 14.5                                                      |
|               | Mar.             | 109.1                                                                                                                          | 0.7                                                       | 125.5                                               | 10.4                                                      | 101.3                                         | -3.3                                                      |
|               | Apr.             | 119.9                                                                                                                          | 7.1                                                       | 123.7                                               | 17.9                                                      | 114.2                                         | 52.1                                                      |
|               | May              | 117.2                                                                                                                          | 7.0                                                       | 120.6                                               | -8.8                                                      | 124.1                                         | 15.6                                                      |
|               | Jun.             | 129.0                                                                                                                          | 6.1                                                       | 146.0                                               | 4.1                                                       | 144.7                                         | -6.7                                                      |
|               | Jul.             | 111.6                                                                                                                          | 4.0                                                       | 140.7                                               | 15.8                                                      | 129.3                                         | -12.5                                                     |
|               | Aug.             | 110.9                                                                                                                          | 8.1                                                       | 138.5                                               | 12.1                                                      | 164.6                                         | -4.4                                                      |
|               | Sep.             | 127.4                                                                                                                          | 4.7                                                       | 165.4                                               | 19.9                                                      | 158.6                                         | 7.0                                                       |
|               | Oct.             | 129.0                                                                                                                          | 0.6                                                       | 173.5                                               | 18.7                                                      | 149.3                                         | 11.0                                                      |
|               | Nov.             | 117.0                                                                                                                          | 14.8                                                      | 150.8                                               | 11.3                                                      | 144.7                                         | 21.4                                                      |
|               | Dec.             | 128.5                                                                                                                          | 12.0                                                      | 157.9                                               | 16.2                                                      | 164.0                                         | 16.8                                                      |
| 2022          | Jan.             | 121.7                                                                                                                          | -2.2                                                      | 157.8                                               | 8.4                                                       | 159.5                                         | 23.2                                                      |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                        | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|-----------------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------|-----------------------------------------------------------|--------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan jentera kegunaan<br>umum                  |                                                           | Pembuatan jentera kegunaan<br>khas                  |                                                           | Pembuatan kenderaan bermotor         |                                                           |
|                     |                  | <i>Manufacture of general-purpose<br/>machinery</i> |                                                           | <i>Manufacture of special-purpose<br/>machinery</i> |                                                           | <i>Manufacture of motor vehicles</i> |                                                           |
| Kod/Codes           |                  | 281                                                 |                                                           | 282                                                 |                                                           | 291                                  |                                                           |
| Wajaran/Weight 2015 |                  | 1.27                                                |                                                           | 0.87                                                |                                                           | 1.66                                 |                                                           |
| 2019                |                  | 125.4                                               | 4.4                                                       | 115.7                                               | 2.0                                                       | 95.3                                 | 14.6                                                      |
| 2020                |                  | 122.5                                               | -2.3                                                      | 123.2                                               | 6.5                                                       | 97.7                                 | 2.6                                                       |
| 2021                |                  | 142.5                                               | 16.3                                                      | 129.2                                               | 4.9                                                       | 97.2                                 | -0.6                                                      |
| 2020                | Q1               | 118.5                                               | -2.2                                                      | 119.3                                               | 3.3                                                       | 92.8                                 | -2.0                                                      |
|                     | Q2               | 129.0                                               | -8.6                                                      | 126.4                                               | 8.0                                                       | 52.8                                 | -42.6                                                     |
|                     | Q3               | 127.3                                               | 2.9                                                       | 132.7                                               | 6.9                                                       | 115.2                                | 26.6                                                      |
|                     | Q4               | 115.3                                               | -0.2                                                      | 114.5                                               | 8.0                                                       | 130.1                                | 25.9                                                      |
| 2021                | Q1               | 129.2                                               | 9.0                                                       | 118.4                                               | -0.7                                                      | 119.5                                | 28.8                                                      |
|                     | Q2               | 165.2                                               | 28.1                                                      | 131.0                                               | 3.6                                                       | 99.0                                 | 87.4                                                      |
|                     | Q3               | 144.5                                               | 13.5                                                      | 130.6                                               | -1.6                                                      | 38.6                                 | -66.5                                                     |
|                     | Q4               | 131.1                                               | 13.7                                                      | 136.9                                               | 19.5                                                      | 131.6                                | 1.1                                                       |
| 2020                | Jan.             | 122.5                                               | 1.5                                                       | 110.2                                               | 7.8                                                       | 107.8                                | 3.1                                                       |
|                     | Feb.             | 111.8                                               | 5.8                                                       | 135.9                                               | 5.6                                                       | 89.3                                 | 8.9                                                       |
|                     | Mar.             | 121.3                                               | -11.5                                                     | 111.7                                               | -3.3                                                      | 81.2                                 | -16.6                                                     |
|                     | Apr.             | 100.3                                               | -32.3                                                     | 103.5                                               | -12.0                                                     | 2.7                                  | -97.2                                                     |
|                     | May              | 128.7                                               | -12.6                                                     | 138.0                                               | 22.7                                                      | 34.0                                 | -63.7                                                     |
|                     | Jun.             | 157.8                                               | 23.4                                                      | 137.8                                               | 13.8                                                      | 121.7                                | 44.3                                                      |
|                     | Jul.             | 145.8                                               | 10.1                                                      | 138.7                                               | 8.0                                                       | 116.1                                | 21.2                                                      |
|                     | Aug.             | 126.1                                               | -3.9                                                      | 136.4                                               | 6.1                                                       | 119.4                                | 24.9                                                      |
|                     | Sep.             | 109.9                                               | 2.2                                                       | 123.0                                               | 6.5                                                       | 110.0                                | 34.8                                                      |
|                     | Oct.             | 111.1                                               | -0.8                                                      | 113.3                                               | 11.3                                                      | 124.9                                | 16.8                                                      |
|                     | Nov.             | 114.9                                               | -3.9                                                      | 118.9                                               | 12.8                                                      | 128.8                                | 26.3                                                      |
|                     | Dec.             | 119.9                                               | 4.1                                                       | 111.3                                               | 0.4                                                       | 136.6                                | 35.1                                                      |
| 2021                | Jan.             | 123.5                                               | 0.9                                                       | 114.1                                               | 3.5                                                       | 117.0                                | 8.5                                                       |
|                     | Feb.             | 126.7                                               | 13.3                                                      | 121.3                                               | -10.7                                                     | 107.5                                | 20.4                                                      |
|                     | Mar.             | 137.3                                               | 13.1                                                      | 119.8                                               | 7.2                                                       | 134.1                                | 65.1                                                      |
|                     | Apr.             | 160.1                                               | 59.6                                                      | 132.4                                               | 27.9                                                      | 164.2                                | 5912.0                                                    |
|                     | May              | 155.5                                               | 20.8                                                      | 135.6                                               | -1.7                                                      | 130.9                                | 285.4                                                     |
|                     | Jun.             | 179.9                                               | 14.0                                                      | 124.9                                               | -9.4                                                      | 1.8                                  | -98.6                                                     |
|                     | Jul.             | 147.2                                               | 1.0                                                       | 124.6                                               | -10.2                                                     | 5.7                                  | -95.1                                                     |
|                     | Aug.             | 155.9                                               | 23.6                                                      | 134.8                                               | -1.1                                                      | 29.3                                 | -75.5                                                     |
|                     | Sep.             | 130.4                                               | 18.6                                                      | 132.3                                               | 7.6                                                       | 80.8                                 | -26.6                                                     |
|                     | Oct.             | 130.1                                               | 17.1                                                      | 133.9                                               | 18.2                                                      | 133.7                                | 7.0                                                       |
|                     | Nov.             | 135.4                                               | 17.8                                                      | 142.5                                               | 19.9                                                      | 130.4                                | 1.2                                                       |
|                     | Dec.             | 127.9                                               | 6.7                                                       | 134.2                                               | 20.6                                                      | 130.7                                | -4.3                                                      |
| 2022                | Jan.             | 125.1                                               | 1.3                                                       | 129.7                                               | 13.6                                                      | 126.0                                | 7.7                                                       |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|--------------------------------------------------------------------|-----------------------------------------------------------|------------------------------------|-----------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan alat ganti dan aksesori<br>untuk kenderaan bermotor      |                                                           | Pembinaan kapal dan bot            |                                                           | Pembuatan kapal angkasa dan<br>udara dan jentera berkaitan         |                                                           |
|                     |                  | <i>Manufacture of parts and<br/>accessories for motor vehicles</i> |                                                           | <i>Building of ships and boats</i> |                                                           | <i>Manufacture of air and spacecraft<br/>and related machinery</i> |                                                           |
| Kod/Codes           |                  | 293                                                                |                                                           | 301                                |                                                           | 303                                                                |                                                           |
| Wajaran/Weight 2015 |                  | 1.42                                                               |                                                           | 0.45                               |                                                           | 0.28                                                               |                                                           |
| 2019                |                  | 138.5                                                              | 1.9                                                       | 106.0                              | 3.0                                                       | 132.0                                                              | 6.1                                                       |
| 2020                |                  | 132.1                                                              | -4.7                                                      | 88.3                               | -16.7                                                     | 106.3                                                              | -19.5                                                     |
| 2021                |                  | 134.5                                                              | 1.8                                                       | 93.2                               | 5.6                                                       | 101.5                                                              | -4.5                                                      |
| 2020                | Q1               | 153.1                                                              | -1.1                                                      | 87.0                               | -13.0                                                     | 137.4                                                              | 2.5                                                       |
|                     | Q2               | 106.5                                                              | -21.5                                                     | 55.5                               | -42.0                                                     | 89.7                                                               | -23.9                                                     |
|                     | Q3               | 139.3                                                              | 1.6                                                       | 113.8                              | -12.1                                                     | 88.0                                                               | -31.2                                                     |
|                     | Q4               | 129.4                                                              | 2.3                                                       | 96.7                               | -2.2                                                      | 110.0                                                              | -25.9                                                     |
| 2021                | Q1               | 158.8                                                              | 3.7                                                       | 90.9                               | 4.5                                                       | 119.5                                                              | -13.0                                                     |
|                     | Q2               | 131.1                                                              | 23.2                                                      | 78.4                               | 41.3                                                      | 89.1                                                               | -0.6                                                      |
|                     | Q3               | 115.7                                                              | -17.0                                                     | 104.5                              | -8.2                                                      | 86.2                                                               | -2.0                                                      |
|                     | Q4               | 132.4                                                              | 2.4                                                       | 99.1                               | 2.5                                                       | 111.1                                                              | 1.0                                                       |
| 2020                | Jan.             | 157.3                                                              | -3.1                                                      | 99.1                               | 3.8                                                       | 148.5                                                              | 4.3                                                       |
|                     | Feb.             | 150.2                                                              | 3.0                                                       | 79.2                               | -10.9                                                     | 129.7                                                              | 15.4                                                      |
|                     | Mar.             | 151.8                                                              | -2.9                                                      | 82.7                               | -28.6                                                     | 134.1                                                              | -9.1                                                      |
|                     | Apr.             | 74.6                                                               | -47.9                                                     | 14.1                               | -83.2                                                     | 62.4                                                               | -46.8                                                     |
|                     | May              | 102.9                                                              | -19.0                                                     | 49.4                               | -46.9                                                     | 100.4                                                              | -20.7                                                     |
|                     | Jun.             | 141.9                                                              | 3.8                                                       | 103.0                              | -6.4                                                      | 106.2                                                              | -3.1                                                      |
|                     | Jul.             | 148.1                                                              | 4.4                                                       | 85.7                               | 5.3                                                       | 77.0                                                               | -34.3                                                     |
|                     | Aug.             | 144.3                                                              | 1.9                                                       | 125.0                              | -21.2                                                     | 96.8                                                               | -31.3                                                     |
|                     | Sep.             | 125.6                                                              | -1.8                                                      | 130.7                              | -11.9                                                     | 90.1                                                               | -28.0                                                     |
|                     | Oct.             | 128.7                                                              | 0.0                                                       | 81.6                               | -9.0                                                      | 93.4                                                               | -35.0                                                     |
|                     | Nov.             | 127.5                                                              | 3.4                                                       | 106.7                              | -4.2                                                      | 121.7                                                              | -18.7                                                     |
|                     | Dec.             | 131.9                                                              | 3.5                                                       | 101.9                              | 6.6                                                       | 115.1                                                              | -24.3                                                     |
| 2021                | Jan.             | 152.5                                                              | -3.0                                                      | 98.5                               | -0.7                                                      | 121.2                                                              | -18.4                                                     |
|                     | Feb.             | 149.4                                                              | -0.5                                                      | 85.7                               | 8.2                                                       | 115.9                                                              | -10.7                                                     |
|                     | Mar.             | 174.4                                                              | 14.8                                                      | 88.5                               | 7.0                                                       | 121.5                                                              | -9.4                                                      |
|                     | Apr.             | 144.5                                                              | 93.8                                                      | 73.5                               | 419.6                                                     | 108.1                                                              | 73.1                                                      |
|                     | May              | 130.8                                                              | 27.1                                                      | 77.7                               | 57.4                                                      | 78.8                                                               | -21.5                                                     |
|                     | Jun.             | 118.1                                                              | -16.8                                                     | 84.1                               | -18.3                                                     | 80.4                                                               | -24.3                                                     |
|                     | Jul.             | 118.2                                                              | -20.2                                                     | 68.5                               | -20.1                                                     | 65.5                                                               | -14.9                                                     |
|                     | Aug.             | 118.2                                                              | -18.1                                                     | 117.6                              | -6.0                                                      | 94.8                                                               | -2.1                                                      |
|                     | Sep.             | 110.8                                                              | -11.8                                                     | 127.5                              | -2.5                                                      | 98.1                                                               | 8.9                                                       |
|                     | Oct.             | 130.0                                                              | 1.0                                                       | 85.7                               | 5.0                                                       | 89.1                                                               | -4.6                                                      |
|                     | Nov.             | 134.3                                                              | 5.3                                                       | 110.2                              | 3.3                                                       | 127.2                                                              | 4.5                                                       |
|                     | Dec.             | 133.0                                                              | 0.8                                                       | 101.4                              | -0.4                                                      | 117.1                                                              | 1.8                                                       |
| 2022                | Jan.             | 156.3                                                              | 2.4                                                       | 101.5                              | 3.1                                                       | 123.6                                                              | 2.0                                                       |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index            | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|------------------------------------------------|-----------------------------------------------------------|--------------------------|-----------------------------------------------------------|--------------------------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan kelengkapan<br>pengangkutan t.t.t.l. |                                                           | Pembuatan perabot        |                                                           | Pembaikan pemasangan produk<br>logam, jentera dan kelengkapan      |                                                           |
|                     |                  | Manufacture of transport<br>equipment n.e.c.   |                                                           | Manufacture of furniture |                                                           | Repair of fabricated metal<br>products, machinery and<br>equipment |                                                           |
| Kod/Codes           |                  | 309                                            |                                                           | 310                      |                                                           | 331                                                                |                                                           |
| Wajaran/Weight 2015 |                  | 0.34                                           |                                                           | 1.04                     |                                                           | 0.69                                                               |                                                           |
| 2019                |                  | 96.1                                           | 9.8                                                       | 132.0                    | 8.1                                                       | 134.3                                                              | 5.0                                                       |
| 2020                |                  | 90.2                                           | -6.1                                                      | 122.8                    | -7.0                                                      | 122.2                                                              | -9.0                                                      |
| 2021                |                  | 92.1                                           | 2.0                                                       | 118.3                    | -3.7                                                      | 122.5                                                              | 0.2                                                       |
| 2020                | Q1               | 101.2                                          | 3.4                                                       | 135.0                    | 1.0                                                       | 122.1                                                              | -1.1                                                      |
|                     | Q2               | 56.6                                           | -41.9                                                     | 75.6                     | -39.1                                                     | 94.3                                                               | -28.1                                                     |
|                     | Q3               | 107.1                                          | 7.0                                                       | 140.2                    | 3.9                                                       | 144.2                                                              | -4.6                                                      |
|                     | Q4               | 96.1                                           | 7.8                                                       | 140.4                    | 3.8                                                       | 128.1                                                              | -2.5                                                      |
| 2021                | Q1               | 103.2                                          | 1.9                                                       | 142.7                    | 5.7                                                       | 127.4                                                              | 4.3                                                       |
|                     | Q2               | 78.1                                           | 38.0                                                      | 111.1                    | 46.9                                                      | 115.3                                                              | 22.2                                                      |
|                     | Q3               | 81.5                                           | -23.9                                                     | 85.6                     | -39.0                                                     | 111.0                                                              | -23.0                                                     |
|                     | Q4               | 105.4                                          | 9.7                                                       | 133.7                    | -4.7                                                      | 136.3                                                              | 6.4                                                       |
| 2020                | Jan.             | 98.8                                           | -3.2                                                      | 139.0                    | 4.1                                                       | 127.8                                                              | 5.1                                                       |
|                     | Feb.             | 102.8                                          | 13.6                                                      | 137.3                    | 7.0                                                       | 115.9                                                              | 4.3                                                       |
|                     | Mar.             | 102.1                                          | 1.1                                                       | 128.6                    | -7.5                                                      | 122.7                                                              | -10.9                                                     |
|                     | Apr.             | 20.5                                           | -78.6                                                     | 11.1                     | -90.3                                                     | 52.8                                                               | -57.4                                                     |
|                     | May              | 51.9                                           | -47.2                                                     | 63.7                     | -50.6                                                     | 96.8                                                               | -29.1                                                     |
|                     | Jun.             | 97.4                                           | -0.9                                                      | 151.9                    | 18.1                                                      | 133.4                                                              | 0.1                                                       |
|                     | Jul.             | 100.8                                          | 7.8                                                       | 137.3                    | 5.4                                                       | 144.7                                                              | -9.4                                                      |
|                     | Aug.             | 116.3                                          | 10.5                                                      | 138.4                    | 1.4                                                       | 146.0                                                              | -0.1                                                      |
|                     | Sep.             | 104.2                                          | 2.5                                                       | 145.0                    | 4.9                                                       | 141.8                                                              | -3.8                                                      |
|                     | Oct.             | 91.1                                           | 14.3                                                      | 145.5                    | 4.3                                                       | 135.7                                                              | -1.9                                                      |
|                     | Nov.             | 100.2                                          | 10.2                                                      | 137.0                    | 3.3                                                       | 139.8                                                              | -3.4                                                      |
|                     | Dec.             | 97.0                                           | 0.1                                                       | 138.6                    | 3.7                                                       | 108.9                                                              | -1.9                                                      |
| 2021                | Jan.             | 100.8                                          | 2.0                                                       | 144.5                    | 4.0                                                       | 129.6                                                              | 1.4                                                       |
|                     | Feb.             | 97.3                                           | -5.3                                                      | 139.1                    | 1.3                                                       | 119.0                                                              | 2.7                                                       |
|                     | Mar.             | 111.6                                          | 9.2                                                       | 144.4                    | 12.3                                                      | 133.5                                                              | 8.8                                                       |
|                     | Apr.             | 90.0                                           | 340.1                                                     | 117.9                    | 957.4                                                     | 122.2                                                              | 131.6                                                     |
|                     | May              | 81.7                                           | 57.5                                                      | 115.3                    | 81.0                                                      | 116.7                                                              | 20.6                                                      |
|                     | Jun.             | 62.4                                           | -35.9                                                     | 99.9                     | -34.2                                                     | 107.0                                                              | -19.8                                                     |
|                     | Jul.             | 59.7                                           | -40.8                                                     | 75.5                     | -45.0                                                     | 108.6                                                              | -24.9                                                     |
|                     | Aug.             | 86.0                                           | -26.0                                                     | 79.1                     | -42.8                                                     | 111.3                                                              | -23.7                                                     |
|                     | Sep.             | 98.9                                           | -5.1                                                      | 102.1                    | -29.6                                                     | 113.0                                                              | -20.3                                                     |
|                     | Oct.             | 101.1                                          | 11.0                                                      | 122.4                    | -15.9                                                     | 137.6                                                              | 1.4                                                       |
|                     | Nov.             | 109.4                                          | 9.2                                                       | 139.0                    | 1.4                                                       | 149.9                                                              | 7.3                                                       |
|                     | Dec.             | 105.8                                          | 9.0                                                       | 139.8                    | 0.9                                                       | 121.3                                                              | 11.4                                                      |
| 2022                | Jan.             | 105.2                                          | 4.3                                                       | 151.9                    | 5.1                                                       | 134.2                                                              | 3.5                                                       |

Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)

Table 4: Manufacturing Indices at Division Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year      |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year       |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       |
|---------------------|------------------|-----------------------------------------------------------|------|----------------------------------------------------------------|-------|-----------------------------------------------------------------|-------|-----------------------------------------------------------|-------|
|                     |                  | Indeks/<br>Index                                          |      | Indeks/<br>Index                                               |       | Indeks/<br>Index                                                |       | Indeks/<br>Index                                          |       |
|                     |                  | Pemprosesan dan pengawetan<br>daging                      |      | Pemprosesan dan pengawetan<br>ikan, krustasea dan moluska      |       | Pemprosesan dan pengawetan<br>buah-buahan dan sayur-<br>sayuran |       | Pembuatan makanan haiwan<br>tersedia                      |       |
|                     |                  | Processing and preserving of<br>meat                      |      | Processing and preserving of<br>fish, crustaceans and molluscs |       | Processing and preserving of<br>fruit and vegetables            |       | Manufacture of prepared<br>animal feeds                   |       |
| Kod/ Codes          |                  | 101                                                       |      | 102                                                            |       | 103                                                             |       | 108                                                       |       |
| Wajaran/Weight 2015 |                  | 0.34                                                      |      | 0.20                                                           |       | 0.10                                                            |       | 0.47                                                      |       |
| 2019                |                  | 136.0                                                     | 9.1  | 125.4                                                          | 4.8   | 126.6                                                           | 6.6   | 140.9                                                     | 9.5   |
| 2020                |                  | 149.9                                                     | 10.2 | 131.9                                                          | 5.2   | 111.8                                                           | -11.7 | 153.6                                                     | 9.0   |
| 2021                |                  | 185.1                                                     | 23.5 | 117.2                                                          | -11.2 | 118.1                                                           | 5.6   | 188.2                                                     | 22.5  |
| 2020                | Q1               | 127.2                                                     | 3.8  | 134.8                                                          | 15.1  | 121.6                                                           | 6.8   | 126.0                                                     | -0.2  |
|                     | Q2               | 156.8                                                     | 9.7  | 136.5                                                          | 11.5  | 100.6                                                           | -14.7 | 138.3                                                     | -5.3  |
|                     | Q3               | 161.5                                                     | 13.8 | 129.2                                                          | -5.9  | 105.2                                                           | -21.6 | 190.0                                                     | 20.3  |
|                     | Q4               | 154.1                                                     | 12.8 | 127.1                                                          | 2.0   | 120.0                                                           | -14.6 | 160.3                                                     | 20.0  |
| 2021                | Q1               | 147.6                                                     | 16.0 | 129.7                                                          | -3.8  | 121.1                                                           | -0.4  | 162.0                                                     | 28.6  |
|                     | Q2               | 192.8                                                     | 22.9 | 120.3                                                          | -11.8 | 118.3                                                           | 17.7  | 169.1                                                     | 22.3  |
|                     | Q3               | 206.3                                                     | 27.7 | 109.8                                                          | -15.1 | 115.0                                                           | 9.3   | 228.8                                                     | 20.4  |
|                     | Q4               | 193.8                                                     | 25.8 | 109.0                                                          | -14.2 | 118.2                                                           | -1.5  | 193.1                                                     | 20.4  |
| 2020                | Jan.             | 129.0                                                     | 18.6 | 147.9                                                          | 18.7  | 146.3                                                           | 24.0  | 140.1                                                     | 8.3   |
|                     | Feb.             | 118.9                                                     | 4.9  | 135.2                                                          | 24.9  | 123.2                                                           | 12.4  | 119.3                                                     | -2.1  |
|                     | Mar.             | 133.6                                                     | -8.2 | 121.4                                                          | 2.5   | 95.3                                                            | -16.4 | 118.5                                                     | -7.1  |
|                     | Apr.             | 166.8                                                     | 8.2  | 124.4                                                          | 2.8   | 90.4                                                            | -21.6 | 121.0                                                     | -13.7 |
|                     | May              | 156.9                                                     | 5.4  | 145.7                                                          | 13.6  | 110.3                                                           | -6.9  | 141.3                                                     | -1.7  |
|                     | Jun.             | 146.9                                                     | 16.7 | 139.2                                                          | 18.1  | 101.0                                                           | -15.6 | 152.6                                                     | -0.9  |
|                     | Jul.             | 164.0                                                     | 16.5 | 126.9                                                          | -6.3  | 101.1                                                           | -24.6 | 175.6                                                     | 11.0  |
|                     | Aug.             | 180.4                                                     | 14.5 | 134.9                                                          | -3.2  | 109.1                                                           | -18.9 | 187.6                                                     | 20.3  |
|                     | Sep.             | 140.0                                                     | 9.9  | 125.9                                                          | -8.2  | 105.4                                                           | -21.2 | 206.9                                                     | 29.7  |
|                     | Oct.             | 129.8                                                     | 4.2  | 119.7                                                          | 0.0   | 112.7                                                           | -14.5 | 161.5                                                     | 21.4  |
|                     | Nov.             | 143.3                                                     | 14.7 | 120.3                                                          | 0.1   | 115.6                                                           | -6.0  | 134.4                                                     | 3.8   |
|                     | Dec.             | 189.3                                                     | 18.0 | 141.4                                                          | 5.4   | 131.8                                                           | -21.0 | 185.0                                                     | 34.0  |
| 2021                | Jan.             | 151.6                                                     | 17.5 | 136.7                                                          | -7.6  | 130.8                                                           | -10.6 | 174.1                                                     | 24.3  |
|                     | Feb.             | 132.8                                                     | 11.7 | 137.3                                                          | 1.6   | 113.3                                                           | -8.0  | 153.7                                                     | 28.8  |
|                     | Mar.             | 158.3                                                     | 18.4 | 115.1                                                          | -5.2  | 119.2                                                           | 25.0  | 158.1                                                     | 33.4  |
|                     | Apr.             | 206.6                                                     | 23.9 | 115.8                                                          | -6.9  | 119.3                                                           | 32.0  | 167.8                                                     | 38.6  |
|                     | May              | 183.5                                                     | 17.0 | 123.6                                                          | -15.2 | 111.1                                                           | 0.7   | 174.1                                                     | 23.3  |
|                     | Jun.             | 188.3                                                     | 28.2 | 121.5                                                          | -12.8 | 124.6                                                           | 23.4  | 165.4                                                     | 8.4   |
|                     | Jul.             | 188.9                                                     | 15.1 | 111.5                                                          | -12.2 | 114.0                                                           | 12.8  | 209.3                                                     | 19.2  |
|                     | Aug.             | 219.1                                                     | 21.4 | 111.0                                                          | -17.7 | 114.3                                                           | 4.7   | 241.4                                                     | 28.7  |
|                     | Sep.             | 210.9                                                     | 50.6 | 106.9                                                          | -15.1 | 116.7                                                           | 10.7  | 235.6                                                     | 13.9  |
|                     | Oct.             | 180.8                                                     | 39.3 | 99.8                                                           | -16.6 | 117.8                                                           | 4.5   | 179.5                                                     | 11.1  |
|                     | Nov.             | 186.8                                                     | 30.3 | 111.8                                                          | -7.1  | 116.5                                                           | 0.8   | 183.3                                                     | 36.4  |
|                     | Dec.             | 214.0                                                     | 13.0 | 115.5                                                          | -18.3 | 120.2                                                           | -8.8  | 216.5                                                     | 17.0  |
| 2022                | Jan.             | 177.7                                                     | 17.3 | 120.7                                                          | -11.7 | 134.3                                                           | 2.7   | 217.2                                                     | 24.8  |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                 | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                            | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                   | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|-------------------------------|-----------------------------------------------------------|------------------------------------------|-----------------------------------------------------------|-------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan tekstil lain        |                                                           | Pembuatan artikel daripada kulit<br>bulu |                                                           | Pembuatan pakaian yang dikait<br>dan dikrusye   |                                                           |
|                     |                  | Manufacture of other textiles |                                                           | Manufacture of articles of fur           |                                                           | Manufacture of knitted and<br>crocheted apparel |                                                           |
| Kod/ Codes          |                  | 139                           |                                                           | 142                                      |                                                           | 143                                             |                                                           |
| Wajaran/Weight 2015 |                  | 0.17                          |                                                           | 0.00                                     |                                                           | 0.01                                            |                                                           |
| 2019                |                  | 119.7                         | 4.0                                                       | 143.1                                    | 5.3                                                       | 142.3                                           | 7.0                                                       |
| 2020                |                  | 113.7                         | -5.0                                                      | 130.3                                    | -9.0                                                      | 123.9                                           | -12.9                                                     |
| 2021                |                  | 119.2                         | 4.8                                                       | 116.4                                    | -10.7                                                     | 138.9                                           | 12.1                                                      |
| 2020                | Q1               | 116.6                         | 0.3                                                       | 132.1                                    | 3.4                                                       | 144.4                                           | 2.8                                                       |
|                     | Q2               | 83.5                          | -29.5                                                     | 112.3                                    | -27.0                                                     | 103.0                                           | -28.0                                                     |
|                     | Q3               | 125.3                         | 2.6                                                       | 153.5                                    | 17.8                                                      | 122.3                                           | -13.9                                                     |
|                     | Q4               | 129.4                         | 6.0                                                       | 123.2                                    | -23.3                                                     | 126.1                                           | -12.2                                                     |
| 2021                | Q1               | 120.9                         | 3.6                                                       | 114.6                                    | -13.3                                                     | 132.7                                           | -8.1                                                      |
|                     | Q2               | 100.1                         | 19.9                                                      | 123.0                                    | 9.5                                                       | 140.7                                           | 36.6                                                      |
|                     | Q3               | 111.8                         | -10.7                                                     | 98.9                                     | -35.6                                                     | 137.8                                           | 12.7                                                      |
|                     | Q4               | 143.8                         | 11.1                                                      | 129.1                                    | 4.8                                                       | 144.3                                           | 14.4                                                      |
| 2020                | Jan.             | 113.0                         | -0.8                                                      | 145.4                                    | 9.6                                                       | 145.1                                           | 10.2                                                      |
|                     | Feb.             | 119.5                         | 2.9                                                       | 127.4                                    | 5.6                                                       | 143.4                                           | -1.0                                                      |
|                     | Mar.             | 117.5                         | -1.2                                                      | 123.6                                    | -4.9                                                      | 144.6                                           | -0.2                                                      |
|                     | Apr.             | 52.7                          | -54.5                                                     | 27.0                                     | -76.9                                                     | 82.4                                            | -41.5                                                     |
|                     | May              | 82.6                          | -31.9                                                     | 109.2                                    | -24.7                                                     | 126.9                                           | -11.7                                                     |
|                     | Jun.             | 115.1                         | -2.4                                                      | 200.7                                    | 0.8                                                       | 99.6                                            | -31.1                                                     |
|                     | Jul.             | 127.5                         | 7.8                                                       | 157.2                                    | 24.1                                                      | 119.6                                           | -15.6                                                     |
|                     | Aug.             | 126.3                         | 2.6                                                       | 123.1                                    | 5.5                                                       | 128.2                                           | -9.6                                                      |
|                     | Sep.             | 122.2                         | -2.3                                                      | 180.2                                    | 22.2                                                      | 119.0                                           | -16.6                                                     |
|                     | Oct.             | 124.9                         | 3.4                                                       | 110.6                                    | -21.0                                                     | 122.4                                           | -16.1                                                     |
|                     | Nov.             | 140.8                         | 4.9                                                       | 143.1                                    | -24.7                                                     | 124.7                                           | -13.0                                                     |
|                     | Dec.             | 122.5                         | 10.2                                                      | 115.8                                    | -23.8                                                     | 131.3                                           | -7.5                                                      |
| 2021                | Jan.             | 117.5                         | 4.0                                                       | 118.6                                    | -18.4                                                     | 128.6                                           | -11.3                                                     |
|                     | Feb.             | 115.6                         | -3.3                                                      | 106.1                                    | -16.7                                                     | 133.7                                           | -6.8                                                      |
|                     | Mar.             | 129.5                         | 10.3                                                      | 119.1                                    | -3.6                                                      | 135.8                                           | -6.1                                                      |
|                     | Apr.             | 97.9                          | 85.5                                                      | 115.5                                    | 327.3                                                     | 138.2                                           | 67.7                                                      |
|                     | May              | 94.8                          | 14.8                                                      | 148.0                                    | 35.5                                                      | 139.8                                           | 10.2                                                      |
|                     | Jun.             | 107.6                         | -6.5                                                      | 105.6                                    | -47.4                                                     | 144.0                                           | 44.6                                                      |
|                     | Jul.             | 108.8                         | -14.6                                                     | 98.0                                     | -37.6                                                     | 130.4                                           | 9.0                                                       |
|                     | Aug.             | 109.3                         | -13.4                                                     | 88.8                                     | -27.9                                                     | 140.1                                           | 9.3                                                       |
|                     | Sep.             | 117.4                         | -3.9                                                      | 109.8                                    | -39.1                                                     | 142.9                                           | 20.1                                                      |
|                     | Oct.             | 138.5                         | 10.9                                                      | 128.0                                    | 15.7                                                      | 143.1                                           | 16.9                                                      |
|                     | Nov.             | 160.0                         | 13.6                                                      | 139.8                                    | -2.3                                                      | 144.3                                           | 15.7                                                      |
|                     | Dec.             | 133.0                         | 8.6                                                       | 119.5                                    | 3.2                                                       | 145.5                                           | 10.8                                                      |
| 2022                | Jan.             | 125.5                         | 6.8                                                       | 134.4                                    | 13.3                                                      | 146.7                                           | 14.0                                                      |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

|                     |                  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |               | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |               | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       |
|---------------------|------------------|-----------------------------------------------------------|---------------|-----------------------------------------------------------|---------------|-----------------------------------------------------------|-------|
|                     |                  | Indeks/ Index                                             | Indeks/ Index | Indeks/ Index                                             | Indeks/ Index | Indeks/ Index                                             |       |
| Tahun<br>Year       | Tempoh<br>Period | Penerbitan semula media<br>rakaman                        |               | Pembuatan serat buatan manusia                            |               | Penuangan logam                                           |       |
|                     |                  | Reproduction of recorded media                            |               | Manufacture of man-made fibres                            |               | Casting of metals                                         |       |
| Kod/ Codes          |                  | 182                                                       |               | 203                                                       |               | 243                                                       |       |
| Wajaran/Weight 2015 |                  | 0.00                                                      |               | 0.02                                                      |               | 0.17                                                      |       |
| 2019                |                  | 125.1                                                     | 9.7           | 124.1                                                     | 4.5           | 118.4                                                     | 1.6   |
| 2020                |                  | 115.4                                                     | -7.8          | 74.5                                                      | -40.0         | 109.5                                                     | -7.5  |
| 2021                |                  | 117.8                                                     | 2.1           | 95.4                                                      | 28.1          | 117.2                                                     | 7.0   |
| 2020                | Q1               | 114.7                                                     | 2.1           | 127.5                                                     | 4.0           | 117.2                                                     | 3.5   |
|                     | Q2               | 93.9                                                      | -26.9         | 37.0                                                      | -70.4         | 71.4                                                      | -44.2 |
|                     | Q3               | 121.8                                                     | -5.6          | 62.9                                                      | -49.2         | 132.3                                                     | 7.7   |
|                     | Q4               | 131.0                                                     | 0.5           | 70.5                                                      | -43.4         | 117.1                                                     | 6.9   |
| 2021                | Q1               | 128.4                                                     | 12.0          | 92.6                                                      | -27.3         | 118.0                                                     | 0.7   |
|                     | Q2               | 120.2                                                     | 28.0          | 94.3                                                      | 154.6         | 107.3                                                     | 50.4  |
|                     | Q3               | 113.2                                                     | -7.0          | 99.4                                                      | 58.1          | 116.0                                                     | -12.3 |
|                     | Q4               | 109.3                                                     | -16.6         | 95.3                                                      | 35.1          | 127.4                                                     | 8.8   |
| 2020                | Jan.             | 120.8                                                     | 19.4          | 127.0                                                     | 5.3           | 106.1                                                     | -2.8  |
|                     | Feb.             | 128.6                                                     | 15.1          | 127.5                                                     | 4.6           | 118.7                                                     | 8.3   |
|                     | Mar.             | 94.8                                                      | -23.6         | 127.9                                                     | 2.2           | 126.9                                                     | 4.7   |
|                     | Apr.             | 75.3                                                      | -39.2         | 5.1                                                       | -95.9         | 53.7                                                      | -57.9 |
|                     | May              | 104.9                                                     | -16.2         | 52.2                                                      | -57.9         | 57.5                                                      | -51.2 |
|                     | Jun.             | 101.5                                                     | -25.6         | 53.8                                                      | -57.8         | 102.9                                                     | -25.4 |
|                     | Jul.             | 119.8                                                     | -5.6          | 59.9                                                      | -51.9         | 138.6                                                     | -3.4  |
|                     | Aug.             | 133.0                                                     | 2.8           | 62.7                                                      | -49.3         | 131.2                                                     | 13.3  |
|                     | Sep.             | 112.6                                                     | -14.0         | 66.1                                                      | -46.5         | 127.1                                                     | 16.5  |
|                     | Oct.             | 128.3                                                     | -2.2          | 66.6                                                      | -46.2         | 131.6                                                     | 18.1  |
|                     | Nov.             | 133.0                                                     | 2.0           | 71.4                                                      | -42.4         | 110.4                                                     | 0.5   |
|                     | Dec.             | 131.8                                                     | 1.6           | 73.4                                                      | -41.6         | 109.3                                                     | 1.9   |
| 2021                | Jan.             | 133.1                                                     | 10.2          | 82.9                                                      | -34.7         | 118.6                                                     | 11.8  |
|                     | Feb.             | 141.2                                                     | 9.8           | 96.0                                                      | -24.7         | 113.3                                                     | -4.5  |
|                     | Mar.             | 111.0                                                     | 17.1          | 98.9                                                      | -22.7         | 122.1                                                     | -3.8  |
|                     | Apr.             | 120.0                                                     | 59.3          | 83.2                                                      | 1522.1        | 102.3                                                     | 90.4  |
|                     | May              | 114.0                                                     | 8.7           | 97.6                                                      | 87.0          | 103.6                                                     | 80.3  |
|                     | Jun.             | 126.6                                                     | 24.7          | 102.1                                                     | 89.8          | 116.1                                                     | 12.9  |
|                     | Jul.             | 114.0                                                     | -4.8          | 99.1                                                      | 65.6          | 120.8                                                     | -12.8 |
|                     | Aug.             | 111.0                                                     | -16.6         | 104.5                                                     | 66.8          | 111.9                                                     | -14.7 |
|                     | Sep.             | 114.8                                                     | 1.9           | 94.5                                                      | 43.0          | 115.3                                                     | -9.3  |
|                     | Oct.             | 114.1                                                     | -11.1         | 97.3                                                      | 46.0          | 136.7                                                     | 3.8   |
|                     | Nov.             | 107.9                                                     | -18.9         | 89.6                                                      | 25.5          | 123.4                                                     | 11.8  |
|                     | Dec.             | 105.8                                                     | -19.7         | 98.9                                                      | 34.7          | 122.1                                                     | 11.7  |
| 2022                | Jan.             | 103.6                                                     | -22.2         | 99.5                                                      | 20.0          | 123.0                                                     | 3.7   |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                             |         | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  | Indeks/ Index                             |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  | Indeks/ Index                              |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |  |
|---------------------|------------------|-------------------------------------------|---------|-----------------------------------------------------------|--|-------------------------------------------|-------|-----------------------------------------------------------|--|--------------------------------------------|-------|-----------------------------------------------------------|--|
|                     |                  | Pembuatan media magnetik dan optikal      |         |                                                           |  | Pembuatan bateri dan akumulator           |       |                                                           |  | Pembuatan kelengkapan pencahayaan elektrik |       |                                                           |  |
|                     |                  | Manufacture of magnetic and optical media |         |                                                           |  | Manufacture of batteries and accumulators |       |                                                           |  | Manufacture of electric lighting equipment |       |                                                           |  |
| Kod/ Codes          |                  | 268                                       |         |                                                           |  | 272                                       |       |                                                           |  | 274                                        |       |                                                           |  |
| Wajaran/Weight 2015 |                  | 0.01                                      |         |                                                           |  | 0.18                                      |       |                                                           |  | 0.06                                       |       |                                                           |  |
| 2019                |                  | 116.9                                     | -1.8    |                                                           |  | 118.5                                     | 3.7   |                                                           |  | 109.5                                      | -11.3 |                                                           |  |
| 2020                |                  | 94.3                                      | -19.3   |                                                           |  | 119.8                                     | 1.1   |                                                           |  | 96.9                                       | -11.6 |                                                           |  |
| 2021                |                  | 130.5                                     | 38.4    |                                                           |  | 147.2                                     | 22.9  |                                                           |  | 94.6                                       | -2.3  |                                                           |  |
| 2020                | Q1               | 112.7                                     | -6.5    |                                                           |  | 109.8                                     | 6.4   |                                                           |  | 119.2                                      | -9.2  |                                                           |  |
|                     | Q2               | 46.5                                      | -60.3   |                                                           |  | 81.9                                      | -25.2 |                                                           |  | 113.6                                      | -16.3 |                                                           |  |
|                     | Q3               | 102.8                                     | -12.6   |                                                           |  | 141.5                                     | 6.6   |                                                           |  | 76.2                                       | -8.2  |                                                           |  |
|                     | Q4               | 115.3                                     | 2.8     |                                                           |  | 145.8                                     | 13.6  |                                                           |  | 78.4                                       | -11.0 |                                                           |  |
| 2021                | Q1               | 120.8                                     | 7.2     |                                                           |  | 130.6                                     | 18.9  |                                                           |  | 121.8                                      | 2.2   |                                                           |  |
|                     | Q2               | 130.7                                     | 180.9   |                                                           |  | 132.0                                     | 61.1  |                                                           |  | 104.7                                      | -7.9  |                                                           |  |
|                     | Q3               | 136.7                                     | 33.0    |                                                           |  | 147.2                                     | 4.0   |                                                           |  | 78.5                                       | 3.1   |                                                           |  |
|                     | Q4               | 133.8                                     | 16.1    |                                                           |  | 179.1                                     | 22.8  |                                                           |  | 73.4                                       | -6.3  |                                                           |  |
| 2020                | Jan.             | 123.9                                     | 7.8     |                                                           |  | 128.0                                     | 16.9  |                                                           |  | 111.9                                      | -17.5 |                                                           |  |
|                     | Feb.             | 119.5                                     | 5.2     |                                                           |  | 111.3                                     | 11.2  |                                                           |  | 140.3                                      | 10.9  |                                                           |  |
|                     | Mar.             | 94.6                                      | -28.9   |                                                           |  | 90.2                                      | -10.0 |                                                           |  | 105.3                                      | -19.9 |                                                           |  |
|                     | Apr.             | 0.0                                       | -100.0  |                                                           |  | 27.0                                      | -75.6 |                                                           |  | 95.1                                       | -29.7 |                                                           |  |
|                     | May              | 69.2                                      | -40.2   |                                                           |  | 98.1                                      | -10.6 |                                                           |  | 114.1                                      | -16.8 |                                                           |  |
|                     | Jun.             | 70.4                                      | -42.0   |                                                           |  | 120.6                                     | 12.0  |                                                           |  | 131.7                                      | -2.2  |                                                           |  |
|                     | Jul.             | 93.6                                      | -16.5   |                                                           |  | 124.4                                     | -9.6  |                                                           |  | 75.3                                       | 4.0   |                                                           |  |
|                     | Aug.             | 114.6                                     | -5.8    |                                                           |  | 147.9                                     | 17.7  |                                                           |  | 73.4                                       | -20.6 |                                                           |  |
|                     | Sep.             | 100.1                                     | -15.9   |                                                           |  | 152.3                                     | 12.8  |                                                           |  | 80.0                                       | -5.3  |                                                           |  |
|                     | Oct.             | 117.8                                     | -2.6    |                                                           |  | 159.9                                     | 16.7  |                                                           |  | 89.7                                       | -22.9 |                                                           |  |
|                     | Nov.             | 110.1                                     | 3.4     |                                                           |  | 128.7                                     | 12.2  |                                                           |  | 67.9                                       | -1.1  |                                                           |  |
|                     | Dec.             | 118.0                                     | 8.3     |                                                           |  | 148.8                                     | 11.7  |                                                           |  | 77.7                                       | -2.3  |                                                           |  |
| 2021                | Jan.             | 117.1                                     | -5.5    |                                                           |  | 132.0                                     | 3.1   |                                                           |  | 108.2                                      | -3.3  |                                                           |  |
|                     | Feb.             | 123.0                                     | 2.9     |                                                           |  | 138.2                                     | 24.1  |                                                           |  | 134.3                                      | -4.3  |                                                           |  |
|                     | Mar.             | 122.2                                     | 29.2    |                                                           |  | 121.6                                     | 34.9  |                                                           |  | 122.8                                      | 16.6  |                                                           |  |
|                     | Apr.             | 126.9                                     | #DIV/0! |                                                           |  | 133.0                                     | 392.0 |                                                           |  | 98.5                                       | 3.6   |                                                           |  |
|                     | May              | 128.3                                     | 85.3    |                                                           |  | 129.6                                     | 32.1  |                                                           |  | 104.9                                      | -8.1  |                                                           |  |
|                     | Jun.             | 137.1                                     | 94.8    |                                                           |  | 133.3                                     | 10.5  |                                                           |  | 110.6                                      | -16.0 |                                                           |  |
|                     | Jul.             | 137.9                                     | 47.3    |                                                           |  | 124.2                                     | -0.2  |                                                           |  | 72.5                                       | -3.7  |                                                           |  |
|                     | Aug.             | 141.4                                     | 23.4    |                                                           |  | 151.7                                     | 2.6   |                                                           |  | 80.2                                       | 9.2   |                                                           |  |
|                     | Sep.             | 130.8                                     | 30.7    |                                                           |  | 165.6                                     | 8.7   |                                                           |  | 82.9                                       | 3.7   |                                                           |  |
|                     | Oct.             | 142.1                                     | 20.6    |                                                           |  | 179.7                                     | 12.3  |                                                           |  | 85.3                                       | -4.9  |                                                           |  |
|                     | Nov.             | 127.7                                     | 16.0    |                                                           |  | 173.2                                     | 34.6  |                                                           |  | 69.4                                       | 2.2   |                                                           |  |
|                     | Dec.             | 131.7                                     | 11.6    |                                                           |  | 184.4                                     | 23.9  |                                                           |  | 65.6                                       | -15.5 |                                                           |  |
| 2022                | Jan.             | 139.7                                     | 19.2    |                                                           |  | 163.3                                     | 23.7  |                                                           |  | 76.3                                       | -29.4 |                                                           |  |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/ Index                                | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                                             | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/ Index                                                                                            | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|----------------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan kelengkapan elektrik<br>lain       |                                                           | Pembuatan kerangka (coachwork)<br>untuk kenderaan bermotor;<br>pembuatan treler dan semi treler           |                                                           | Pembuatan lokomotif keretapi<br>dan rolling stock , Pembuatan<br>kenderaan tempur ketenteraan            |                                                           |
|                     |                  | Manufacture of other electrical<br>equipment |                                                           | Manufacture of bodies<br>(coachwork) for motor vehicles;<br>manufacture of trailers and semi-<br>trailers |                                                           | Manufacture of railway<br>locomotives and rolling stock,<br>Manufacture of military fighting<br>vehicles |                                                           |
| Kod/ Codes          |                  | 279                                          |                                                           | 292                                                                                                       |                                                           | 302&304                                                                                                  |                                                           |
| Wajaran/Weight 2015 |                  | 0.34                                         |                                                           | 0.09                                                                                                      |                                                           | 0.13                                                                                                     |                                                           |
| 2019                |                  | 128.6                                        | 14.6                                                      | 71.7                                                                                                      | -5.2                                                      | 109.8                                                                                                    | -3.0                                                      |
| 2020                |                  | 119.9                                        | -6.8                                                      | 59.6                                                                                                      | -16.9                                                     | 108.7                                                                                                    | -1.0                                                      |
| 2021                |                  | 155.6                                        | 29.8                                                      | 63.4                                                                                                      | 6.5                                                       | 122.1                                                                                                    | 12.3                                                      |
| 2020                | Q1               | 121.1                                        | 2.5                                                       | 73.7                                                                                                      | -9.8                                                      | 109.1                                                                                                    | -2.0                                                      |
|                     | Q2               | 105.1                                        | -19.4                                                     | 41.2                                                                                                      | -40.8                                                     | 69.6                                                                                                     | -38.8                                                     |
|                     | Q3               | 148.7                                        | 4.5                                                       | 69.2                                                                                                      | -2.0                                                      | 119.6                                                                                                    | 9.1                                                       |
|                     | Q4               | 104.8                                        | -15.3                                                     | 54.2                                                                                                      | -16.3                                                     | 136.5                                                                                                    | 30.4                                                      |
| 2021                | Q1               | 135.3                                        | 11.7                                                      | 54.9                                                                                                      | -25.5                                                     | 124.0                                                                                                    | 13.7                                                      |
|                     | Q2               | 209.1                                        | 99.0                                                      | 49.9                                                                                                      | 20.9                                                      | 109.5                                                                                                    | 57.3                                                      |
|                     | Q3               | 147.8                                        | -0.6                                                      | 70.4                                                                                                      | 1.8                                                       | 127.1                                                                                                    | 6.3                                                       |
|                     | Q4               | 130.3                                        | 24.3                                                      | 78.5                                                                                                      | 45.0                                                      | 127.7                                                                                                    | -6.4                                                      |
| 2020                | Jan.             | 127.5                                        | 4.1                                                       | 80.7                                                                                                      | 3.1                                                       | 113.0                                                                                                    | 15.9                                                      |
|                     | Feb.             | 108.9                                        | 8.7                                                       | 80.3                                                                                                      | -1.6                                                      | 101.6                                                                                                    | -0.6                                                      |
|                     | Mar.             | 126.8                                        | -3.6                                                      | 60.0                                                                                                      | -29.6                                                     | 112.7                                                                                                    | -16.0                                                     |
|                     | Apr.             | 43.0                                         | -67.0                                                     | 12.7                                                                                                      | -81.1                                                     | 31.7                                                                                                     | -72.7                                                     |
|                     | May              | 98.7                                         | -23.7                                                     | 57.5                                                                                                      | -26.5                                                     | 64.5                                                                                                     | -45.5                                                     |
|                     | Jun.             | 173.5                                        | 31.9                                                      | 53.5                                                                                                      | -15.4                                                     | 112.6                                                                                                    | 5.3                                                       |
|                     | Jul.             | 191.6                                        | 24.5                                                      | 77.0                                                                                                      | 8.4                                                       | 101.8                                                                                                    | 13.3                                                      |
|                     | Aug.             | 115.3                                        | -12.4                                                     | 65.5                                                                                                      | -10.6                                                     | 138.0                                                                                                    | 11.9                                                      |
|                     | Sep.             | 139.1                                        | -1.4                                                      | 64.9                                                                                                      | -3.6                                                      | 118.9                                                                                                    | 3.0                                                       |
|                     | Oct.             | 121.3                                        | -10.1                                                     | 51.3                                                                                                      | -10.9                                                     | 140.1                                                                                                    | 35.4                                                      |
|                     | Nov.             | 107.0                                        | -7.7                                                      | 55.4                                                                                                      | -8.8                                                      | 140.5                                                                                                    | 29.9                                                      |
|                     | Dec.             | 86.2                                         | -28.4                                                     | 55.9                                                                                                      | -26.5                                                     | 128.9                                                                                                    | 25.8                                                      |
| 2021                | Jan.             | 126.8                                        | -0.5                                                      | 52.5                                                                                                      | -35.0                                                     | 139.2                                                                                                    | 23.1                                                      |
|                     | Feb.             | 120.4                                        | 10.5                                                      | 57.0                                                                                                      | -29.0                                                     | 115.9                                                                                                    | 14.0                                                      |
|                     | Mar.             | 158.6                                        | 25.1                                                      | 55.2                                                                                                      | -8.1                                                      | 117.1                                                                                                    | 3.9                                                       |
|                     | Apr.             | 219.7                                        | 410.8                                                     | 48.1                                                                                                      | 277.6                                                     | 110.5                                                                                                    | 248.6                                                     |
|                     | May              | 185.7                                        | 88.1                                                      | 52.7                                                                                                      | -8.2                                                      | 104.8                                                                                                    | 62.5                                                      |
|                     | Jun.             | 221.8                                        | 27.8                                                      | 48.8                                                                                                      | -8.8                                                      | 113.1                                                                                                    | 0.4                                                       |
|                     | Jul.             | 173.4                                        | -9.5                                                      | 39.9                                                                                                      | -48.2                                                     | 99.7                                                                                                     | -2.0                                                      |
|                     | Aug.             | 123.7                                        | 7.3                                                       | 45.4                                                                                                      | -30.6                                                     | 139.8                                                                                                    | 1.3                                                       |
|                     | Sep.             | 146.3                                        | 5.2                                                       | 125.8                                                                                                     | 93.7                                                      | 141.8                                                                                                    | 19.3                                                      |
|                     | Oct.             | 155.3                                        | 28.0                                                      | 88.9                                                                                                      | 73.4                                                      | 129.3                                                                                                    | -7.7                                                      |
|                     | Nov.             | 119.5                                        | 11.7                                                      | 76.5                                                                                                      | 38.2                                                      | 125.9                                                                                                    | -10.4                                                     |
|                     | Dec.             | 116.2                                        | 34.8                                                      | 70.2                                                                                                      | 25.6                                                      | 127.9                                                                                                    | -0.7                                                      |
| 2022                | Jan.             | 154.1                                        | 21.5                                                      | 58.7                                                                                                      | 11.8                                                      | 129.1                                                                                                    | -7.2                                                      |

Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)

Table 4: Manufacturing Indices at Division Level (2015=100)

| Tahun<br>Year       | Tempoh<br>Period | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year    |         | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |       |
|---------------------|------------------|--------------------------------------------------------------|---------|-----------------------------------------------------------|-------|-----------------------------------------------------------|-------|
|                     |                  | Indeks/ Index                                                |         | Indeks/ Index                                             |       | Indeks/ Index                                             |       |
|                     |                  | Pembuatan barang kemas,<br>bijouterie dan artikel berkaitan  |         | Pembuatan instrumen muzik                                 |       | Pembuatan barangan sukan                                  |       |
|                     |                  | Manufacture of jewellery,<br>bijouterie and related articles |         | Manufacture of musical<br>instruments                     |       | Manufacture of sports goods                               |       |
| Kod/ Codes          |                  | 321                                                          |         | 322                                                       |       | 323                                                       |       |
| Wajaran/Weight 2015 |                  | 0.22                                                         |         | 0.00                                                      |       | 0.02                                                      |       |
| 2019                |                  | 117.7                                                        | 7.8     | 99.9                                                      | -6.5  | 107.5                                                     | -0.7  |
| 2020                |                  | 125.0                                                        | 6.2     | 99.1                                                      | -0.7  | 104.9                                                     | -2.4  |
| 2021                |                  | 146.0                                                        | 16.8    | 90.4                                                      | -8.8  | 107.3                                                     | 2.3   |
| 2020                | Q1               | 146.0                                                        | 22.7    | 98.4                                                      | 2.3   | 97.1                                                      | 1.2   |
|                     | Q2               | 51.8                                                         | -47.0   | 97.9                                                      | 5.9   | 63.6                                                      | -44.7 |
|                     | Q3               | 157.0                                                        | 21.1    | 98.8                                                      | -1.1  | 133.3                                                     | 18.1  |
|                     | Q4               | 145.1                                                        | 16.8    | 101.5                                                     | -8.5  | 125.8                                                     | 18.5  |
| 2021                | Q1               | 149.6                                                        | 2.4     | 104.3                                                     | 6.0   | 107.1                                                     | 10.3  |
|                     | Q2               | 143.0                                                        | 175.8   | 94.0                                                      | -4.0  | 95.8                                                      | 50.7  |
|                     | Q3               | 113.5                                                        | -27.7   | 81.7                                                      | -17.3 | 112.3                                                     | -15.7 |
|                     | Q4               | 178.0                                                        | 22.7    | 81.5                                                      | -19.7 | 114.0                                                     | -9.4  |
| 2020                | Jan.             | 160.5                                                        | 25.6    | 100.2                                                     | 3.7   | 95.2                                                      | 2.1   |
|                     | Feb.             | 146.9                                                        | 32.3    | 94.9                                                      | -0.8  | 109.0                                                     | 19.0  |
|                     | Mar.             | 130.7                                                        | 10.6    | 100.1                                                     | 4.1   | 87.0                                                      | -15.4 |
|                     | Apr.             | 1.3                                                          | -98.8   | 98.4                                                      | 5.9   | 23.4                                                      | -80.6 |
|                     | May              | 50.3                                                         | -44.0   | 97.3                                                      | 2.5   | 61.4                                                      | -52.6 |
|                     | Jun.             | 103.9                                                        | 7.5     | 98.1                                                      | 9.5   | 106.0                                                     | 11.5  |
|                     | Jul.             | 138.7                                                        | 0.3     | 97.7                                                      | 1.0   | 133.8                                                     | 25.9  |
|                     | Aug.             | 156.2                                                        | 29.5    | 97.5                                                      | -3.1  | 134.5                                                     | 13.5  |
|                     | Sep.             | 176.2                                                        | 35.4    | 101.2                                                     | -1.0  | 131.5                                                     | 15.6  |
|                     | Oct.             | 156.5                                                        | 33.1    | 100.5                                                     | -14.1 | 132.2                                                     | 17.1  |
|                     | Nov.             | 134.3                                                        | 15.0    | 101.2                                                     | -8.4  | 127.8                                                     | 24.0  |
|                     | Dec.             | 144.5                                                        | 4.5     | 102.6                                                     | -2.6  | 117.5                                                     | 14.5  |
| 2021                | Jan.             | 158.4                                                        | -1.3    | 103.7                                                     | 3.5   | 107.9                                                     | 13.3  |
|                     | Feb.             | 142.6                                                        | -2.9    | 104.0                                                     | 9.7   | 110.5                                                     | 1.4   |
|                     | Mar.             | 147.6                                                        | 13.0    | 105.2                                                     | 5.1   | 102.7                                                     | 18.1  |
|                     | Apr.             | 177.7                                                        | 13373.6 | 106.1                                                     | 7.9   | 98.7                                                      | 322.1 |
|                     | May              | 156.7                                                        | 211.7   | 106.9                                                     | 9.9   | 92.4                                                      | 50.4  |
|                     | Jun.             | 94.5                                                         | -9.1    | 69.1                                                      | -29.6 | 96.5                                                      | -9.0  |
|                     | Jul.             | 89.2                                                         | -35.7   | 82.6                                                      | -15.5 | 99.6                                                      | -25.5 |
|                     | Aug.             | 94.0                                                         | -39.8   | 77.7                                                      | -20.3 | 115.3                                                     | -14.3 |
|                     | Sep.             | 157.4                                                        | -10.7   | 84.7                                                      | -16.2 | 122.1                                                     | -7.1  |
|                     | Oct.             | 187.8                                                        | 20.0    | 92.8                                                      | -7.6  | 116.6                                                     | -11.8 |
|                     | Nov.             | 179.3                                                        | 33.5    | 77.2                                                      | -23.7 | 111.1                                                     | -13.0 |
|                     | Dec.             | 166.8                                                        | 15.4    | 74.3                                                      | -27.6 | 114.4                                                     | -2.7  |
| 2022                | Jan.             | 167.9                                                        | 6.0     | 71.4                                                      | -31.2 | 102.3                                                     | -5.2  |

**Jadual 4: Indeks Pembuatan Peringkat Kumpulan (2015=100)**

*Table 4: Manufacturing Indices at Division Level (2015=100)*

| Tahun<br>Year       | Tempoh<br>Period | Indeks/<br>Index                     | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/<br>Index                                                      | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/<br>Index                  | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year | Indeks/<br>Index                                              | % Perubahan<br>tahun ke tahun/<br>change year-on-<br>year |
|---------------------|------------------|--------------------------------------|-----------------------------------------------------------|-----------------------------------------------------------------------|-----------------------------------------------------------|-----------------------------------|-----------------------------------------------------------|---------------------------------------------------------------|-----------------------------------------------------------|
|                     |                  | Pembuatan permainan dan<br>mainan    |                                                           | Pembuatan bekalan dan<br>instrumen pergigian dan<br>perubatan         |                                                           | Pembuatan lain t.t.t.l.           |                                                           | Pemasangan jentera<br>perindustrian dan kelengkapan           |                                                           |
|                     |                  | <i>Manufacture of games and toys</i> |                                                           | <i>Manufacture of medical and<br/>dental instruments and supplies</i> |                                                           | <i>Other manufacturing n.e.c.</i> |                                                           | <i>Installation of industrial<br/>machinery and equipment</i> |                                                           |
| Kod/ Codes          |                  | 324                                  |                                                           | 325                                                                   |                                                           | 329                               |                                                           | 332                                                           |                                                           |
| Wajaran/Weight 2015 |                  | 0.07                                 |                                                           | 0.13                                                                  |                                                           | 0.31                              |                                                           | 0.08                                                          |                                                           |
| 2019                |                  | 101.5                                | -4.2                                                      | 119.2                                                                 | 9.4                                                       | 110.8                             | 4.3                                                       | 103.9                                                         | -7.8                                                      |
| 2020                |                  | 86.5                                 | -14.7                                                     | 114.2                                                                 | -4.2                                                      | 90.5                              | -18.4                                                     | 100.5                                                         | -3.3                                                      |
| 2021                |                  | 82.3                                 | -4.9                                                      | 113.4                                                                 | -0.7                                                      | 83.6                              | -7.6                                                      | 96.6                                                          | -3.9                                                      |
| 2020                | Q1               | 94.1                                 | -15.8                                                     | 106.3                                                                 | -7.3                                                      | 99.6                              | -9.3                                                      | 112.2                                                         | 2.7                                                       |
|                     | Q2               | 48.3                                 | -45.5                                                     | 123.8                                                                 | -6.9                                                      | 48.5                              | -53.8                                                     | 98.7                                                          | -14.9                                                     |
|                     | Q3               | 107.6                                | 0.1                                                       | 128.6                                                                 | 2.4                                                       | 105.6                             | -4.3                                                      | 106.9                                                         | 4.2                                                       |
|                     | Q4               | 96.2                                 | -1.9                                                      | 98.1                                                                  | -5.4                                                      | 108.3                             | -8.4                                                      | 84.2                                                          | -4.1                                                      |
| 2021                | Q1               | 99.9                                 | 6.1                                                       | 108.1                                                                 | 1.7                                                       | 97.9                              | -1.8                                                      | 77.2                                                          | -31.2                                                     |
|                     | Q2               | 80.1                                 | 65.9                                                      | 93.0                                                                  | -24.9                                                     | 76.6                              | 58.0                                                      | 94.0                                                          | -4.8                                                      |
|                     | Q3               | 69.0                                 | -35.9                                                     | 117.6                                                                 | -8.5                                                      | 71.5                              | -32.3                                                     | 109.9                                                         | 2.8                                                       |
|                     | Q4               | 80.4                                 | -16.4                                                     | 135.0                                                                 | 37.6                                                      | 88.3                              | -18.5                                                     | 105.5                                                         | 25.3                                                      |
| 2020                | Jan.             | 92.5                                 | -19.4                                                     | 111.3                                                                 | -4.6                                                      | 112.2                             | -5.1                                                      | 110.7                                                         | 2.9                                                       |
|                     | Feb.             | 102.9                                | -8.0                                                      | 114.3                                                                 | 2.1                                                       | 94.4                              | -10.0                                                     | 109.0                                                         | 2.4                                                       |
|                     | Mar.             | 87.0                                 | -20.1                                                     | 93.3                                                                  | -19.2                                                     | 92.3                              | -13.4                                                     | 116.8                                                         | 2.9                                                       |
|                     | Apr.             | 17.5                                 | -82.5                                                     | 91.3                                                                  | -23.0                                                     | 4.3                               | -95.8                                                     | 69.6                                                          | -36.2                                                     |
|                     | May              | 43.3                                 | -51.5                                                     | 113.6                                                                 | -6.3                                                      | 37.7                              | -65.4                                                     | 97.4                                                          | -18.3                                                     |
|                     | Jun.             | 84.0                                 | 10.4                                                      | 166.3                                                                 | 4.7                                                       | 103.5                             | 1.6                                                       | 129.1                                                         | 7.8                                                       |
|                     | Jul.             | 115.5                                | 11.8                                                      | 130.5                                                                 | 8.1                                                       | 104.4                             | 3.0                                                       | 116.9                                                         | 21.9                                                      |
|                     | Aug.             | 115.5                                | 8.0                                                       | 126.2                                                                 | -2.7                                                      | 103.8                             | -7.3                                                      | 92.0                                                          | -12.2                                                     |
|                     | Sep.             | 91.9                                 | -18.0                                                     | 129.1                                                                 | 2.1                                                       | 108.5                             | -7.8                                                      | 111.7                                                         | 4.5                                                       |
|                     | Oct.             | 97.6                                 | -9.3                                                      | 102.4                                                                 | -1.6                                                      | 111.1                             | -9.4                                                      | 94.1                                                          | 9.9                                                       |
|                     | Nov.             | 100.8                                | -1.6                                                      | 99.7                                                                  | -4.5                                                      | 112.3                             | -7.9                                                      | 80.5                                                          | -10.1                                                     |
|                     | Dec.             | 90.1                                 | 7.2                                                       | 92.2                                                                  | -10.3                                                     | 101.4                             | -7.8                                                      | 78.0                                                          | -11.7                                                     |
| 2021                | Jan.             | 89.7                                 | -3.1                                                      | 110.7                                                                 | -0.5                                                      | 108.3                             | -3.5                                                      | 73.5                                                          | -33.6                                                     |
|                     | Feb.             | 105.3                                | 2.4                                                       | 101.4                                                                 | -11.2                                                     | 90.6                              | -4.1                                                      | 67.8                                                          | -37.8                                                     |
|                     | Mar.             | 104.6                                | 20.2                                                      | 112.0                                                                 | 20.0                                                      | 94.7                              | 2.6                                                       | 90.4                                                          | -22.6                                                     |
|                     | Apr.             | 84.5                                 | 381.9                                                     | 83.3                                                                  | -8.8                                                      | 81.4                              | 1771.6                                                    | 90.2                                                          | 29.6                                                      |
|                     | May              | 84.9                                 | 96.2                                                      | 106.8                                                                 | -6.0                                                      | 84.0                              | 123.2                                                     | 91.7                                                          | -5.9                                                      |
|                     | Jun.             | 70.9                                 | -15.7                                                     | 88.9                                                                  | -46.6                                                     | 64.5                              | -37.7                                                     | 100.0                                                         | -22.6                                                     |
|                     | Jul.             | 70.4                                 | -39.1                                                     | 90.5                                                                  | -30.7                                                     | 61.1                              | -41.5                                                     | 106.0                                                         | -9.4                                                      |
|                     | Aug.             | 67.0                                 | -42.0                                                     | 112.4                                                                 | -10.9                                                     | 63.2                              | -39.1                                                     | 99.4                                                          | 8.0                                                       |
|                     | Sep.             | 69.7                                 | -24.1                                                     | 150.1                                                                 | 16.2                                                      | 90.3                              | -16.8                                                     | 124.2                                                         | 11.2                                                      |
|                     | Oct.             | 79.8                                 | -18.3                                                     | 135.7                                                                 | 32.5                                                      | 94.3                              | -15.2                                                     | 119.3                                                         | 26.8                                                      |
|                     | Nov.             | 84.5                                 | -16.1                                                     | 140.8                                                                 | 41.2                                                      | 85.6                              | -23.7                                                     | 102.5                                                         | 27.3                                                      |
|                     | Dec.             | 77.0                                 | -14.6                                                     | 128.4                                                                 | 39.3                                                      | 84.9                              | -16.2                                                     | 94.6                                                          | 21.3                                                      |
| 2022                | Jan.             | 78.9                                 | -12.0                                                     | 138.2                                                                 | 24.8                                                      | 97.5                              | -10.0                                                     | 108.6                                                         | 47.7                                                      |

**Jadual 5: Indeks Pembuatan Peringkat Bahagian (2015=100)**  
**Table 5: Manufacturing Indices at Division Level (2015=100)**

| Bil. /<br>No. | Wajaran/<br>Weights<br>2015 | Kod/<br>Codes | Keterangan/Tempoh                                                                                                | Nov.<br>2020 | Dec.<br>2020 | Jan.<br>2021 | Nov.<br>2021 | Dec.<br>2021 | Jan.<br>2022 | Q2<br>2020   | Q3<br>2020   | Q4<br>2020   | Q2<br>2021   | Q3<br>2021   | Q4<br>2021   | 2019         | 2020         | 2021         | Description/ Period                                                                                                          |
|---------------|-----------------------------|---------------|------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|------------------------------------------------------------------------------------------------------------------------------|
|               | <b>68.25</b>                | <b>C</b>      | <b>PEMBUATAN</b>                                                                                                 | <b>123.7</b> | <b>127.8</b> | <b>127.5</b> | <b>137.7</b> | <b>138.5</b> | <b>136.1</b> | <b>97.7</b>  | <b>126.5</b> | <b>126.3</b> | <b>123.4</b> | <b>125.6</b> | <b>137.9</b> | <b>120.1</b> | <b>116.9</b> | <b>128.1</b> | <b>MANUFACTURING</b>                                                                                                         |
| <b>1.</b>     | <b>8.55</b>                 |               | <b>Makanan, Minuman dan Tembakau</b>                                                                             | <b>111.7</b> | <b>114.6</b> | <b>114.0</b> | <b>126.2</b> | <b>126.3</b> | <b>121.6</b> | <b>116.6</b> | <b>130.9</b> | <b>115.5</b> | <b>118.9</b> | <b>124.2</b> | <b>127.9</b> | <b>120.2</b> | <b>118.5</b> | <b>120.5</b> | <b>Food, Beverages and Tobacco</b>                                                                                           |
| 1.1           | 7.39                        | 10            | Pembuatan produk makanan                                                                                         | 111.2        | 112.8        | 112.9        | 126.1        | 124.9        | 120.8        | 125.4        | 133.1        | 114.9        | 122.9        | 132.5        | 127.6        | 120.1        | 121.0        | 123.2        | Manufacture of food products                                                                                                 |
| 1.2           | 0.65                        | 11            | Pembuatan minuman                                                                                                | 118.2        | 130.6        | 120.1        | 132.9        | 142.4        | 129.4        | 81.0         | 116.9        | 122.8        | 112.3        | 111.7        | 137.5        | 127.2        | 108.7        | 119.4        | Manufacture of beverages                                                                                                     |
| 1.3           | 0.52                        | 12            | Pembuatan produk tembakau                                                                                        | 112.2        | 119.3        | 122.1        | 117.9        | 126.9        | 123.7        | 35.8         | 117.3        | 113.7        | 69.5         | 21.3         | 121.1        | 113.6        | 95.4         | 83.6         | Manufacture of tobacco products                                                                                              |
| <b>2.</b>     | <b>1.33</b>                 |               | <b>Produk Tekstil, Pakaian, Kulit dan Kasut</b>                                                                  | <b>135.6</b> | <b>132.9</b> | <b>126.1</b> | <b>143.8</b> | <b>138.5</b> | <b>132.4</b> | <b>73.5</b>  | <b>110.5</b> | <b>132.0</b> | <b>102.6</b> | <b>104.9</b> | <b>137.9</b> | <b>126.6</b> | <b>110.3</b> | <b>118.4</b> | <b>Textiles, Wearing Apparel, Leather Products and Footwear</b>                                                              |
| 2.1           | 0.58                        | 13            | Pembuatan tekstil                                                                                                | 123.8        | 111.1        | 115.2        | 137.5        | 119.8        | 124.8        | 71.9         | 104.5        | 115.6        | 105.5        | 109.4        | 125.9        | 117.5        | 102.0        | 115.6        | Manufacture of textiles                                                                                                      |
| 2.2           | 0.60                        | 14            | Pembuatan pakaian                                                                                                | 151.7        | 154.3        | 133.4        | 155.4        | 157.4        | 137.3        | 75.4         | 120.7        | 151.6        | 94.5         | 107.6        | 153.7        | 135.4        | 120.0        | 121.9        | Manufacture of wearing apparel                                                                                               |
| 2.3           | 0.15                        | 15            | Pembuatan produk kulit dan barangan berkaitan                                                                    | 116.0        | 131.1        | 139.2        | 121.1        | 134.3        | 141.8        | 72.2         | 92.4         | 116.1        | 124.7        | 76.7         | 120.0        | 125.9        | 103.4        | 115.3        | Manufacture of leather and related products                                                                                  |
| <b>3.</b>     | <b>4.56</b>                 |               | <b>Produk Kayu, Perabot, Keluaran Kertas, Percetakan</b>                                                         | <b>127.5</b> | <b>134.6</b> | <b>128.8</b> | <b>139.5</b> | <b>143.4</b> | <b>139.9</b> | <b>80.0</b>  | <b>122.5</b> | <b>128.8</b> | <b>111.3</b> | <b>106.3</b> | <b>136.4</b> | <b>122.1</b> | <b>113.3</b> | <b>120.4</b> | <b>Wood Products, Furniture, Paper Products, Printing</b>                                                                    |
| 3.1           | 1.44                        | 16            | Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman | 121.5        | 126.5        | 118.3        | 136.6        | 137.2        | 131.6        | 67.8         | 107.0        | 121.2        | 105.7        | 97.7         | 131.9        | 118.4        | 104.0        | 113.6        | Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials |
| 3.2           | 1.15                        | 17            | Pembuatan kertas dan produk kertas                                                                               | 129.4        | 135.5        | 130.1        | 154.6        | 152.4        | 149.2        | 96.5         | 123.2        | 128.2        | 121.9        | 133.5        | 149.0        | 120.0        | 116.5        | 133.8        | Manufacture of paper and paper products                                                                                      |
| 3.3           | 0.93                        | 18            | Percetakan dan penerbitan semula media rakaman                                                                   | 123.7        | 141.7        | 125.9        | 125.8        | 145.9        | 127.6        | 83.3         | 126.0        | 128.5        | 107.2        | 109.4        | 130.5        | 119.2        | 113.1        | 116.6        | Printing and reproduction of recorded media                                                                                  |
| 3.4           | 1.04                        | 31            | Pembuatan perabot                                                                                                | 137.0        | 138.6        | 144.5        | 139.0        | 139.8        | 151.9        | 75.6         | 140.2        | 140.4        | 111.1        | 85.6         | 133.7        | 132.0        | 122.8        | 118.3        | Manufacture of furniture                                                                                                     |
| <b>4.</b>     | <b>20.60</b>                |               | <b>Produk Petroleum, Kimia, Getah dan Plastik</b>                                                                | <b>119.6</b> | <b>128.3</b> | <b>126.2</b> | <b>129.8</b> | <b>131.0</b> | <b>126.3</b> | <b>98.8</b>  | <b>117.8</b> | <b>123.4</b> | <b>127.7</b> | <b>131.3</b> | <b>130.3</b> | <b>115.9</b> | <b>115.0</b> | <b>130.1</b> | <b>Petroleum, Chemical, Rubber and Plastic Products</b>                                                                      |
| 4.1           | 9.36                        | 19            | Pembuatan kok dan produk petroleum bertapis                                                                      | 104.9        | 112.0        | 109.7        | 121.3        | 112.8        | 111.8        | 78.8         | 98.0         | 107.1        | 105.9        | 115.6        | 116.3        | 113.2        | 101.2        | 112.9        | Manufacture of coke and refined petroleum products                                                                           |
| 4.2           | 6.37                        | 20            | Pembuatan kimia dan produk kimia                                                                                 | 108.2        | 119.0        | 115.2        | 118.9        | 131.3        | 123.4        | 96.8         | 111.4        | 113.1        | 112.9        | 119.5        | 125.0        | 117.5        | 109.2        | 119.5        | Manufacture of chemicals and chemical products                                                                               |
| 4.3           | 0.38                        | 21            | Pembuatan produk farmaseutikal asas, kimia perubatan dan botani                                                  | 135.9        | 138.4        | 125.7        | 162.0        | 167.7        | 150.8        | 140.0        | 154.5        | 141.5        | 155.1        | 173.4        | 169.1        | 120.7        | 138.2        | 159.9        | Manufacture of basic pharmaceuticals, medicinal chemical and botanical products                                              |
| 4.4           | 4.49                        | 22            | Pembuatan produk getah dan plastik                                                                               | 165.2        | 174.5        | 176.4        | 160.4        | 165.5        | 158.5        | 139.8        | 165.4        | 170.5        | 191.8        | 177.3        | 163.6        | 118.9        | 150.2        | 178.4        | Manufacture of rubber and plastics products                                                                                  |
| <b>5.</b>     | <b>9.11</b>                 |               | <b>Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka</b>                                       | <b>116.4</b> | <b>118.1</b> | <b>123.4</b> | <b>125.2</b> | <b>124.4</b> | <b>131.1</b> | <b>71.6</b>  | <b>114.0</b> | <b>117.5</b> | <b>95.5</b>  | <b>97.5</b>  | <b>123.9</b> | <b>119.1</b> | <b>104.4</b> | <b>108.2</b> | <b>Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products</b>                                              |
| 5.1           | 2.97                        | 23            | Pembuatan produk galian bukan logam lain                                                                         | 120.8        | 125.9        | 123.3        | 125.2        | 129.5        | 130.0        | 63.2         | 112.2        | 122.6        | 86.7         | 88.0         | 124.7        | 120.3        | 103.1        | 104.2        | Manufacture of other non-metallic mineral products                                                                           |
| 5.2           | 2.35                        | 24            | Pembuatan logam asas                                                                                             | 120.5        | 119.3        | 118.1        | 128.0        | 128.3        | 125.7        | 85.7         | 126.2        | 120.7        | 104.1        | 109.2        | 127.7        | 116.6        | 111.0        | 114.2        | Manufacture of basic metals                                                                                                  |
| 5.3           | 3.79                        | 25            | Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan                                                | 110.5        | 111.3        | 126.7        | 123.5        | 118.1        | 135.2        | 69.4         | 107.8        | 111.5        | 97.1         | 97.7         | 121.0        | 119.8        | 101.3        | 107.7        | Manufacture of fabricated metal products, except machinery and equipment                                                     |
| <b>6.</b>     | <b>18.23</b>                |               | <b>Produk Peralatan Elektrik dan Elektronik</b>                                                                  | <b>136.1</b> | <b>138.3</b> | <b>138.2</b> | <b>160.4</b> | <b>163.5</b> | <b>158.1</b> | <b>114.1</b> | <b>143.6</b> | <b>139.8</b> | <b>145.1</b> | <b>153.1</b> | <b>162.8</b> | <b>125.9</b> | <b>128.7</b> | <b>147.7</b> | <b>Electrical and Electronics Products</b>                                                                                   |
| 6.1           | 13.89                       | 26            | Pembuatan komputer, produk elektronik dan optikal                                                                | 142.5        | 144.3        | 142.2        | 168.0        | 171.7        | 165.0        | 112.2        | 147.6        | 146.1        | 145.1        | 157.8        | 170.6        | 127.7        | 130.9        | 151.3        | Manufacture of computer, electronics and optical products                                                                    |
| 6.2           | 2.20                        | 27            | Pembuatan kelengkapan elektrik                                                                                   | 115.3        | 122.4        | 130.9        | 134.2        | 143.7        | 145.1        | 112.5        | 131.6        | 123.9        | 138.6        | 137.3        | 142.8        | 119.5        | 120.6        | 135.3        | Manufacture of electrical equipment                                                                                          |
| 6.3           | 2.14                        | 28            | Pembuatan jentera dan peralatan t.t.t.l.                                                                         | 116.5        | 116.4        | 119.7        | 138.3        | 130.5        | 127.0        | 127.9        | 129.5        | 115.0        | 151.3        | 138.8        | 133.4        | 121.4        | 122.8        | 137.1        | Manufacture of machinery and equipment n.e.c.                                                                                |
| <b>7.</b>     | <b>5.87</b>                 |               | <b>Kelengkapan Pengangkutan dan Pembuatan Lain</b>                                                               | <b>122.9</b> | <b>120.9</b> | <b>124.4</b> | <b>128.5</b> | <b>122.5</b> | <b>129.5</b> | <b>74.9</b>  | <b>123.1</b> | <b>120.8</b> | <b>104.9</b> | <b>85.7</b>  | <b>125.0</b> | <b>115.2</b> | <b>108.7</b> | <b>110.1</b> | <b>Transport Equipment and Other Manufactures</b>                                                                            |
| 7.1           | 3.17                        | 29            | Pembuatan kenderaan bermotor, treler dan semi treler                                                             | 126.1        | 132.1        | 131.0        | 130.5        | 129.9        | 137.6        | 76.5         | 124.6        | 127.5        | 111.9        | 74.0         | 130.4        | 113.9        | 112.0        | 112.9        | Manufacture of motor vehicles, trailers and semi-trailers                                                                    |
| 7.2           | 1.19                        | 30            | Pembuatan kelengkapan pengangkutan lain                                                                          | 112.0        | 106.5        | 108.8        | 115.6        | 109.2        | 110.7        | 65.3         | 106.5        | 103.9        | 84.1         | 96.2         | 106.8        | 109.7        | 95.2         | 97.9         | Manufacture of other transport equipment                                                                                     |
| 7.3           | 0.74                        | 32            | Pembuatan lain                                                                                                   | 115.7        | 111.6        | 121.5        | 123.2        | 116.4        | 123.5        | 63.2         | 125.5        | 116.4        | 99.6         | 92.7         | 122.5        | 113.3        | 104.7        | 107.5        | Other manufacturing                                                                                                          |
| 7.4           | 0.76                        | 33            | Membaiki dan pemasangan jentera dan kelengkapan                                                                  | 133.8        | 105.8        | 124.0        | 145.2        | 118.6        | 131.6        | 94.8         | 140.4        | 123.7        | 113.2        | 110.9        | 133.2        | 131.2        | 120.0        | 119.9        | Repair and installation of machinery and equipment                                                                           |

**Jadual 5.1: Peratus Perubahan Indeks Pembuatan Peringkat Bahagian**  
**Table 5.1: Percentage Change of Manufacturing Indices at Division Level**

| Bil. /<br>No. | Wajaran/<br>Weights<br>2015 | Kod/<br>Codes | Keterangan/ Tempoh                                                                                                  | % Perubahan tahun ke tahun/<br>Change year-on-year |              |              |              |            |            |            |            |       |       | % Perubahan bulan ke bulan/<br>Change month-on-month |              |              |              | % Perubahan suku tahun ke<br>suku tahun/<br>Change quarter-on-quarter |            |            |            | Description/ Period                                                                                                          |
|---------------|-----------------------------|---------------|---------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|--------------|--------------|--------------|------------|------------|------------|------------|-------|-------|------------------------------------------------------|--------------|--------------|--------------|-----------------------------------------------------------------------|------------|------------|------------|------------------------------------------------------------------------------------------------------------------------------|
|               |                             |               |                                                                                                                     | Dec.<br>2020                                       | Jan.<br>2021 | Dec.<br>2021 | Jan.<br>2022 | Q3<br>2020 | Q4<br>2020 | Q3<br>2021 | Q4<br>2021 | 2020  | 2021  | Dec.<br>2020                                         | Jan.<br>2021 | Dec.<br>2021 | Jan.<br>2022 | Q3<br>2020                                                            | Q4<br>2020 | Q3<br>2021 | Q4<br>2021 |                                                                                                                              |
| 78            | 68.25                       | C             | <b>PEMBUATAN</b>                                                                                                    | 4.1                                                | 3.5          | 8.4          | 6.8          | 3.1        | 2.8        | -0.7       | 9.2        | -2.7  | 9.5   | 3.3                                                  | -0.2         | 0.5          | -1.7         | 29.5                                                                  | -0.1       | 1.8        | 9.8        | <b>MANUFACTURING</b>                                                                                                         |
|               | 8.55                        |               | <b>Makanan, Minuman dan Tembakau</b>                                                                                | -7.9                                               | 0.03         | 10.2         | 6.7          | 5.3        | -6.7       | -5.1       | 10.8       | -1.4  | 1.7   | 2.5                                                  | -0.5         | 0.1          | -3.7         | 12.2                                                                  | -11.8      | 4.5        | 3.0        | <b>Food, Beverages and Tobacco</b>                                                                                           |
|               | 1.1                         | 7.39          | 10 Pembuatan produk makanan                                                                                         | -9.2                                               | -0.1         | 10.7         | 7.0          | 6.7        | -7.3       | -0.4       | 11.0       | 0.8   | 1.8   | 1.5                                                  | 0.04         | -1.0         | -3.3         | 6.1                                                                   | -13.6      | 7.8        | -3.7       | Manufacture of food products                                                                                                 |
|               | 1.2                         | 0.65          | 11 Pembuatan minuman                                                                                                | -3.7                                               | -2.4         | 9.0          | 7.7          | -9.9       | -7.5       | -4.4       | 11.9       | -14.5 | 9.9   | 10.5                                                 | -8.0         | 7.1          | -9.2         | 44.2                                                                  | 5.1        | -0.6       | 23.1       | Manufacture of beverages                                                                                                     |
|               | 1.3                         | 0.52          | 12 Pembuatan produk tembakau                                                                                        | 5.4                                                | 5.9          | 6.4          | 1.3          | 5.1        | 5.4        | -81.8      | 6.4        | -16.0 | -12.4 | 6.4                                                  | 2.3          | 7.6          | -2.5         | 228.1                                                                 | -3.1       | -69.3      | 467.1      | Manufacture of tobacco products                                                                                              |
|               | 1.33                        |               | <b>Produk Tekstil, Pakaian, Kulit dan Kasut</b>                                                                     | 1.3                                                | -0.8         | 4.2          | 5.0          | -9.3       | -1.8       | -5.1       | 4.5        | -12.8 | 7.3   | -1.9                                                 | -5.1         | -3.6         | -4.4         | 50.3                                                                  | 19.4       | 2.2        | 31.4       | <b>Textiles, Wearing Apparel, Leather Products and Footwear</b>                                                              |
|               | 2.1                         | 0.58          | 13 Pembuatan tekstil                                                                                                | 1.7                                                | 0.2          | 7.9          | 8.4          | -11.6      | -2.2       | 4.7        | 9.0        | -13.2 | 13.3  | -10.3                                                | 3.7          | -12.8        | 4.1          | 45.4                                                                  | 10.6       | 3.7        | 15.1       | Manufacture of textiles                                                                                                      |
|               | 2.2                         | 0.60          | 14 Pembuatan pakaian                                                                                                | 0.6                                                | -2.8         | 2.0          | 2.9          | -3.9       | -1.0       | -10.9      | 1.4        | -11.4 | 1.6   | 1.7                                                  | -13.5        | 1.3          | -12.8        | 60.0                                                                  | 25.6       | 13.9       | 42.9       | Manufacture of wearing apparel                                                                                               |
|               | 2.3                         | 0.15          | 15 Pembuatan produk kulit dan barangan berkaitan                                                                    | 3.2                                                | 3.8          | 2.4          | 1.8          | -22.9      | -4.8       | -17.1      | 3.3        | -17.9 | 11.5  | 13.0                                                 | 6.2          | 10.9         | 5.5          | 28.1                                                                  | 25.6       | -38.5      | 56.5       | Manufacture of leather and related products                                                                                  |
|               | 4.56                        |               | <b>Produk Kayu, Perabot, Keluaran Kertas, Percetakan</b>                                                            | 3.3                                                | 2.4          | 6.5          | 8.6          | 0.2        | 2.4        | -13.2      | 5.8        | -7.2  | 6.2   | 5.6                                                  | -4.3         | 2.8          | -2.4         | 53.2                                                                  | 5.1        | -4.5       | 28.2       | <b>Wood Products, Furniture, Paper Products, Printing</b>                                                                    |
|               | 3.1                         | 1.44          | 16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman | 0.7                                                | -2.8         | 8.5          | 11.3         | -8.5       | -1.3       | -8.7       | 8.8        | -12.1 | 9.2   | 4.1                                                  | -6.5         | 0.4          | -4.1         | 57.8                                                                  | 13.3       | -7.6       | 35.0       | Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials |
|               | 3.2                         | 1.15          | 17 Pembuatan kertas dan produk kertas                                                                               | 5.3                                                | 8.7          | 12.4         | 14.6         | 4.8        | 4.9        | 8.4        | 16.2       | -2.9  | 14.9  | 4.8                                                  | -4.0         | -1.5         | -2.1         | 27.7                                                                  | 4.0        | 9.5        | 11.6       | Manufacture of paper and paper products                                                                                      |
|               | 3.3                         | 0.93          | 18 Percetakan dan penerbitan semula media rakaman                                                                   | 4.4                                                | 1.0          | 3.0          | 1.4          | 3.2        | 3.3        | -13.2      | 1.6        | -5.1  | 3.1   | 14.6                                                 | -11.1        | 16.0         | -12.5        | 51.2                                                                  | 2.0        | 2.0        | 19.4       | Printing and reproduction of recorded media                                                                                  |
|               | 3.4                         | 1.04          | 31 Pembuatan perabot                                                                                                | 3.7                                                | 4.0          | 0.9          | 5.1          | 3.9        | 3.8        | -39.0      | -4.7       | -7.0  | -3.7  | 1.1                                                  | 4.3          | 0.5          | 8.7          | 85.5                                                                  | 0.1        | -23.0      | 56.3       | Manufacture of furniture                                                                                                     |
|               | 20.60                       |               | <b>Produk Petroleum, Kimia, Getah dan Plastik</b>                                                                   | 7.7                                                | 4.5          | 2.1          | 0.1          | 2.1        | 3.9        | 11.4       | 5.6        | -0.8  | 13.1  | 7.3                                                  | -1.6         | 0.9          | -3.6         | 19.3                                                                  | 4.7        | 2.8        | -0.8       | <b>Petroleum, Chemical, Rubber and Plastic Products</b>                                                                      |
|               | 4.1                         | 9.36          | 19 Pembuatan kok dan produk petroleum bertapis                                                                      | -3.8                                               | -12.3        | 0.7          | 2.0          | -9.7       | -8.6       | 18.0       | 8.6        | -10.6 | 11.6  | 6.8                                                  | -2.1         | -6.9         | -0.9         | 24.4                                                                  | 9.4        | 9.1        | 0.7        | Manufacture of coke and refined petroleum products                                                                           |
|               | 4.2                         | 6.37          | 20 Pembuatan kimia dan produk kimia                                                                                 | 1.7                                                | 0.2          | 10.3         | 7.1          | -7.5       | -3.6       | 7.3        | 10.5       | -7.1  | 9.4   | 10.0                                                 | -3.2         | 10.4         | -6.0         | 15.1                                                                  | 1.6        | 5.9        | 4.6        | Manufacture of chemicals and chemical products                                                                               |
| 79            | 4.3                         | 0.38          | 21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani                                                  | 17.5                                               | 18.9         | 21.1         | 20.0         | 22.9       | 16.5       | 12.2       | 19.5       | 14.5  | 15.7  | 1.8                                                  | -9.2         | 3.5          | -10.0        | 10.3                                                                  | -8.4       | 11.8       | -2.5       | Manufacture of basic pharmaceuticals, medicinal chemical and botanical products                                              |
|               | 4.4                         | 4.49          | 22 Pembuatan produk getah dan plastik                                                                               | 36.5                                               | 45.5         | -5.2         | -10.2        | 35.7       | 37.5       | 7.2        | -4.1       | 26.3  | 18.8  | 5.7                                                  | 1.1          | 3.1          | -4.2         | 18.3                                                                  | 3.1        | -7.5       | -7.7       | Manufacture of rubber and plastics products                                                                                  |
|               | 9.11                        |               | <b>Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka</b>                                          | -1.4                                               | -1.0         | 5.3          | 6.2          | -6.7       | -2.0       | -14.4      | 5.5        | -12.4 | 3.7   | 1.4                                                  | 4.5          | -0.7         | 5.3          | 59.2                                                                  | 3.1        | 2.1        | 27.1       | <b>Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products</b>                                              |
|               | 5.1                         | 2.97          | 23 Pembuatan produk galian bukan logam lain                                                                         | -0.3                                               | 0.3          | 2.8          | 5.5          | -8.2       | -1.6       | -21.6      | 1.7        | -14.3 | 1.0   | 4.2                                                  | -2.1         | 3.4          | 0.5          | 77.5                                                                  | 9.2        | 1.5        | 41.7       | Manufacture of other non-metallic mineral products                                                                           |
|               | 5.2                         | 2.35          | 24 Pembuatan logam asas                                                                                             | 3.6                                                | 4.8          | 7.5          | 6.4          | 3.5        | 3.6        | -13.4      | 5.8        | -4.8  | 2.8   | -1.0                                                 | -1.0         | 0.2          | -2.0         | 47.1                                                                  | -4.3       | 5.0        | 16.9       | Manufacture of basic metals                                                                                                  |
|               | 5.3                         | 3.79          | 25 Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan                                                | -5.3                                               | -4.9         | 6.1          | 6.7          | -11.9      | -5.7       | -9.4       | 8.5        | -15.5 | 6.3   | 0.7                                                  | 13.9         | -4.4         | 14.5         | 55.3                                                                  | 3.4        | 0.6        | 23.8       | Manufacture of fabricated metal products, except machinery and equipment                                                     |
|               | 18.23                       |               | <b>Produk Peralatan Elektrik dan Elektronik</b>                                                                     | 7.6                                                | 7.9          | 18.2         | 14.4         | 8.9        | 7.8        | 6.6        | 16.5       | 2.2   | 14.7  | 1.6                                                  | -0.1         | 1.9          | -3.3         | 25.9                                                                  | -2.6       | 5.5        | 6.4        | <b>Electrical and Electronics Products</b>                                                                                   |
|               | 6.1                         | 13.89         | 26 Pembuatan komputer, produk elektronik dan optikal                                                                | 8.8                                                | 9.0          | 19.0         | 16.0         | 9.6        | 8.9        | 6.9        | 16.7       | 2.5   | 15.6  | 1.3                                                  | -1.4         | 2.2          | -3.9         | 31.6                                                                  | -1.0       | 8.7        | 8.1        | Manufacture of computer, electronics and optical products                                                                    |
|               | 6.2                         | 2.20          | 27 Pembuatan kelengkapan elektrik                                                                                   | 4.0                                                | 6.2          | 17.4         | 10.9         | 8.8        | 4.6        | 4.4        | 15.2       | 0.9   | 12.2  | 6.2                                                  | 6.9          | 7.0          | 1.0          | 16.9                                                                  | -5.8       | -1.0       | 4.0        | Manufacture of electrical equipment                                                                                          |
|               | 6.3                         | 2.14          | 28 Pembuatan jentera dan peralatan t.t.t.l.                                                                         | 2.6                                                | 1.9          | 12.1         | 6.1          | 4.5        | 3.0        | 7.2        | 16.1       | 1.1   | 11.6  | -0.1                                                 | 2.9          | -5.7         | -2.7         | 1.2                                                                   | -11.2      | -8.2       | -3.9       | Manufacture of machinery and equipment n.e.c.                                                                                |
| 80            | 5.87                        |               | <b>Kelengkapan Pengangkutan dan Pembuatan Lain</b>                                                                  | 8.4                                                | -0.2         | 1.3          | 4.2          | 4.3        | 6.1        | -30.4      | 3.4        | -5.7  | 1.3   | -1.6                                                 | 2.9          | -4.6         | 5.7          | 64.4                                                                  | -1.8       | -18.3      | 45.8       | <b>Transport Equipment and Other Manufactures</b>                                                                            |
|               | 7.1                         | 3.17          | 29 Pembuatan kenderaan bermotor, treler dan semi treler                                                             | 17.8                                               | 1.4          | -1.7         | 5.0          | 12.3       | 13.3       | -40.6      | 2.2        | -1.7  | 0.8   | 4.8                                                  | -0.9         | -0.5         | 5.9          | 63.0                                                                  | 2.3        | -33.8      | 76.1       | Manufacture of motor vehicles, trailers and semi-trailers                                                                    |
|               | 7.2                         | 1.19          | 30 Pembuatan kelengkapan pengangkutan lain                                                                          | -3.1                                               | -2.9         | 2.5          | 1.7          | -10.2      | -4.1       | -9.7       | 2.7        | -13.2 | 2.8   | -4.9                                                 | 2.2          | -5.6         | 1.4          | 63.1                                                                  | -2.4       | 14.3       | 11.0       | Manufacture of other transport equipment                                                                                     |
|               | 7.3                         | 0.74          | 32 Pembuatan lain                                                                                                   | -2.3                                               | -1.8         | 4.3          | 1.6          | 5.9        | 1.1        | -26.1      | 5.2        | -7.6  | 2.6   | -3.6                                                 | 8.9          | -5.5         | 6.1          | 98.4                                                                  | -7.2       | -6.9       | 32.1       | Other manufacturing                                                                                                          |
|               | 7.4                         | 0.76          | 33 Membaiki dan pemasangan jentera dan kelengkapan                                                                  | -2.7                                               | -1.7         | 12.1         | 6.2          | -3.9       | -2.6       | -21.0      | 7.7        | -8.5  | -0.1  | -20.9                                                | 17.1         | -18.3        | 10.9         | 48.2                                                                  | -11.9      | -2.0       | 20.1       | Repair and installation of machinery and equipment                                                                           |

Jadual 6: Indeks Pembuatan mengikut Industri Berorientasikan Eksport dan Domestik (2015=100)

Table 6: Manufacturing Indices by Exports and Domestic Oriented Industries (2015=100)

| Bil. /<br>No. | Wajaran/<br>Weights<br>2015 | Kod/<br>Codes | Keterangan/Tempoh                | Nov.<br>2020                                                                                                     | Dec.<br>2020 | Jan.<br>2021 | Nov.<br>2021 | Dec.<br>2021 | Jan.<br>2022 | Q2<br>2020 | Q3<br>2020 | Q4<br>2020 | Q2<br>2021 | Q3<br>2021 | Q4<br>2021 | 2019  | 2020  | 2021  | Description/ Period        |                                                                                                                              |
|---------------|-----------------------------|---------------|----------------------------------|------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|--------------|--------------|------------|------------|------------|------------|------------|------------|-------|-------|-------|----------------------------|------------------------------------------------------------------------------------------------------------------------------|
| 79            | 68.25                       | C             | PEMBUATAN                        | 123.7                                                                                                            | 127.8        | 127.5        | 137.7        | 138.5        | 136.1        | 97.7       | 126.5      | 126.3      | 123.4      | 125.6      | 137.9      | 120.1 | 116.9 | 128.1 | MANUFACTURING              |                                                                                                                              |
|               | 45.82                       |               | Industri Berorientasikan Eksport | 125.1                                                                                                            | 128.8        | 127.8        | 140.7        | 141.2        | 136.3        | 103.9      | 128.1      | 128.3      | 130.3      | 135.0      | 141.4      | 120.3 | 119.4 | 133.2 | Export Oriented Industries |                                                                                                                              |
|               | 1.1                         | 3.71          | 104                              | Pembuatan minyak dan lemak daripada sayuran dan haiwan                                                           | 96.3         | 83.0         | 85.6         | 106.5        | 93.9         | 85.9       | 118.3      | 121.3      | 97.7       | 100.0      | 106.9      | 106.6 | 112.6 | 108.2 | 99.1                       | Manufacture of vegetable and animal oils and fats                                                                            |
|               | 1.2                         | 0.58          | 13                               | Pembuatan tekstil                                                                                                | 123.8        | 111.1        | 115.2        | 137.5        | 119.8        | 124.8      | 71.9       | 104.5      | 115.6      | 105.5      | 109.4      | 125.9 | 117.5 | 102.0 | 115.6                      | Manufacture of textiles                                                                                                      |
|               | 1.3                         | 0.60          | 14                               | Pembuatan pakaian                                                                                                | 151.7        | 154.3        | 133.4        | 155.4        | 157.4        | 137.3      | 75.4       | 120.7      | 151.6      | 94.5       | 107.6      | 153.7 | 135.4 | 120.0 | 121.9                      | Manufacture of wearing apparel                                                                                               |
|               | 1.4                         | 1.44          | 16                               | Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman | 121.5        | 126.5        | 118.3        | 136.6        | 137.2        | 131.6      | 67.8       | 107.0      | 121.2      | 105.7      | 97.7       | 131.9 | 118.4 | 104.0 | 113.6                      | Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials |
|               | 1.5                         | 9.36          | 19                               | Pembuatan kok dan produk petroleum bertapis                                                                      | 104.9        | 112.0        | 109.7        | 121.3        | 112.8        | 111.8      | 78.8       | 98.0       | 107.1      | 105.9      | 115.6      | 116.3 | 113.2 | 101.2 | 112.9                      | Manufacture of coke and refined petroleum products                                                                           |
|               | 1.6                         | 6.37          | 20                               | Pembuatan kimia dan produk kimia                                                                                 | 108.2        | 119.0        | 115.2        | 118.9        | 131.3        | 123.4      | 96.8       | 111.4      | 113.1      | 112.9      | 119.5      | 125.0 | 117.5 | 109.2 | 119.5                      | Manufacture of chemicals and chemical products                                                                               |
|               | 1.7                         | 2.22          | 221                              | Pembuatan produk getah                                                                                           | 199.7        | 219.6        | 229.3        | 177.8        | 191.2        | 184.0      | 179.0      | 204.5      | 212.7      | 262.4      | 217.4      | 188.6 | 123.9 | 184.4 | 227.2                      | Manufacture of rubber products                                                                                               |
|               | 1.8                         | 2.26          | 222                              | Pembuatan produk plastik                                                                                         | 131.3        | 130.3        | 124.6        | 143.4        | 140.2        | 133.4      | 101.3      | 127.0      | 129.2      | 122.5      | 138.0      | 139.1 | 114.1 | 116.5 | 130.6                      | Manufacture of plastics products                                                                                             |
|               | 1.9                         | 13.89         | 26                               | Pembuatan komputer, produk elektronik dan optikal                                                                | 142.5        | 144.3        | 142.2        | 168.0        | 171.7        | 165.0      | 112.2      | 147.6      | 146.1      | 145.1      | 157.8      | 170.6 | 127.7 | 130.9 | 151.3                      | Manufacture of computer, electronics and optical products                                                                    |
|               | 1.10                        | 2.20          | 27                               | Pembuatan kelengkapan elektrik                                                                                   | 115.3        | 122.4        | 130.9        | 134.2        | 143.7        | 145.1      | 112.5      | 131.6      | 123.9      | 138.6      | 137.3      | 142.8 | 119.5 | 120.6 | 135.3                      | Manufacture of electrical equipment                                                                                          |
|               | 1.11                        | 2.14          | 28                               | Pembuatan jentera dan peralatan t.t.t.l.                                                                         | 116.5        | 116.4        | 119.7        | 138.3        | 130.5        | 127.0      | 127.9      | 129.5      | 115.0      | 151.3      | 138.8      | 133.4 | 121.4 | 122.8 | 137.1                      | Manufacture of machinery and equipment n.e.c.                                                                                |
| 79            | 1.12                        | 1.04          | 31                               | Pembuatan perabot                                                                                                | 137.0        | 138.6        | 144.5        | 139.0        | 139.8        | 151.9      | 75.6       | 140.2      | 140.4      | 111.1      | 85.6       | 133.7 | 132.0 | 122.8 | 118.3                      | Manufacture of furniture                                                                                                     |
|               | 2.                          | 22.44         |                                  | Industri Berorientasikan Domestik                                                                                | 121.0        | 125.6        | 126.9        | 131.7        | 132.8        | 135.7      | 84.8       | 123.1      | 122.3      | 109.2      | 106.5      | 130.9 | 119.8 | 111.8 | 117.5                      | Domestic Oriented Industries                                                                                                 |
|               | 2.1                         | 3.68          | 10<br>(Kecuali 104)              | Pembuatan produk makanan                                                                                         | 126.2        | 143.0        | 140.4        | 145.9        | 156.1        | 156.0      | 132.6      | 145.0      | 132.4      | 146.1      | 158.4      | 148.7 | 127.7 | 134.0 | 147.5                      | Manufacture of food products                                                                                                 |
|               | 2.2                         | 0.65          | 11                               | Pembuatan minuman                                                                                                | 118.2        | 130.6        | 120.1        | 132.9        | 142.4        | 129.4      | 81.0       | 116.9      | 122.8      | 112.3      | 111.7      | 137.5 | 127.2 | 108.7 | 119.4                      | Manufacture of beverages                                                                                                     |
|               | 2.3                         | 0.52          | 12                               | Pembuatan produk tembakau                                                                                        | 112.2        | 119.3        | 122.1        | 117.9        | 126.9        | 123.7      | 35.8       | 117.3      | 113.7      | 69.5       | 21.3       | 121.1 | 113.6 | 95.4  | 83.6                       | Manufacture of tobacco products                                                                                              |
|               | 2.4                         | 0.15          | 15                               | Pembuatan produk kulit dan barangan berkaitan                                                                    | 116.0        | 131.1        | 139.2        | 121.1        | 134.3        | 141.8      | 72.2       | 92.4       | 116.1      | 124.7      | 76.7       | 120.0 | 125.9 | 103.4 | 115.3                      | Manufacture of leather and related products                                                                                  |
|               | 2.5                         | 1.15          | 17                               | Pembuatan kertas dan produk kertas                                                                               | 129.4        | 135.5        | 130.1        | 154.6        | 152.4        | 149.2      | 96.5       | 123.2      | 128.2      | 121.9      | 133.5      | 149.0 | 120.0 | 116.5 | 133.8                      | Manufacture of paper and paper products                                                                                      |
|               | 2.6                         | 0.93          | 18                               | Percetakan dan penerbitan semula media rakaman                                                                   | 123.7        | 141.7        | 125.9        | 125.8        | 145.9        | 127.6      | 83.3       | 126.0      | 128.5      | 107.2      | 109.4      | 130.5 | 119.2 | 113.1 | 116.6                      | Printing and reproduction of recorded media                                                                                  |
|               | 2.7                         | 0.38          | 21                               | Pembuatan produk farmaseutikal asas, kimia perubatan dan botani                                                  | 135.9        | 138.4        | 125.7        | 162.0        | 167.7        | 150.8      | 140.0      | 154.5      | 141.5      | 155.1      | 173.4      | 169.1 | 120.7 | 138.2 | 159.9                      | Manufacture of basic pharmaceuticals, medicinal chemical and botanical products                                              |
|               | 2.8                         | 2.97          | 23                               | Pembuatan produk galian bukan logam lain                                                                         | 120.8        | 125.9        | 123.3        | 125.2        | 129.5        | 130.0      | 63.2       | 112.2      | 122.6      | 86.7       | 88.0       | 124.7 | 120.3 | 103.1 | 104.2                      | Manufacture of other non-metallic mineral products                                                                           |
|               | 2.9                         | 2.35          | 24                               | Pembuatan logam asas                                                                                             | 120.5        | 119.3        | 118.1        | 128.0        | 128.3        | 125.7      | 85.7       | 126.2      | 120.7      | 104.1      | 109.2      | 127.7 | 116.6 | 111.0 | 114.2                      | Manufacture of basic metals                                                                                                  |
|               | 2.10                        | 3.79          | 25                               | Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan                                                | 110.5        | 111.3        | 126.7        | 123.5        | 118.1        | 135.2      | 69.4       | 107.8      | 111.5      | 97.1       | 97.7       | 121.0 | 119.8 | 101.3 | 107.7                      | Manufacture of fabricated metal products, except machinery and equipment                                                     |
|               | 2.11                        | 3.17          | 29                               | Pembuatan kenderaan bermotor, treler dan semi treler                                                             | 126.1        | 132.1        | 131.0        | 130.5        | 129.9        | 137.6      | 76.5       | 124.6      | 127.5      | 111.9      | 74.0       | 130.4 | 113.9 | 112.0 | 112.9                      | Manufacture of motor vehicles, trailers and semi-trailers                                                                    |
|               | 2.12                        | 1.19          | 30                               | Pembuatan kelengkapan pengangkutan lain                                                                          | 112.0        | 106.5        | 108.8        | 115.6        | 109.2        | 110.7      | 65.3       | 106.5      | 103.9      | 84.1       | 96.2       | 106.8 | 109.7 | 95.2  | 97.9                       | Manufacture of other transport equipment                                                                                     |
|               | 2.13                        | 0.74          | 32                               | Pembuatan lain                                                                                                   | 115.7        | 111.6        | 121.5        | 123.2        | 116.4        | 123.5      | 63.2       | 125.5      | 116.4      | 99.6       | 92.7       | 122.5 | 113.3 | 104.7 | 107.5                      | Other manufacturing                                                                                                          |
|               | 1.13                        | 0.76          | 33                               | Membaiki dan pemasangan jentera dan kelengkapan                                                                  | 133.8        | 105.8        | 124.0        | 145.2        | 118.6        | 131.6      | 94.8       | 140.4      | 123.7      | 113.2      | 110.9      | 133.2 | 131.2 | 120.0 | 119.9                      | Repair and installation of machinery and equipment                                                                           |

**Jadual 6.1: Peratus Perubahan Indeks Pembuatan mengikut Industri Berorientasikan Eksport dan Domestik**  
**Table 6.1: Percentage Change of Manufacturing Indices by Exports and Domestic Oriented Industries**

| Bil. /<br>No. | Wajaran/<br>Weights<br>2015 | Kod/<br>Codes       | Keterangan/Tempoh                               | % Perubahan tahun ke tahun/<br>Change year-on-year                                                               |              |              |              |            |            |            |            | % Perubahan bulan ke bulan/<br>Change month-on-month |       |              |              | % Perubahan suku tahun ke<br>suku tahun/<br>Change quarter-on-quarter |              |            |            | Description/ Period |            |                                     |       |                                                    |                                                                                                                              |  |
|---------------|-----------------------------|---------------------|-------------------------------------------------|------------------------------------------------------------------------------------------------------------------|--------------|--------------|--------------|------------|------------|------------|------------|------------------------------------------------------|-------|--------------|--------------|-----------------------------------------------------------------------|--------------|------------|------------|---------------------|------------|-------------------------------------|-------|----------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------|--|
|               |                             |                     |                                                 | Dec.<br>2020                                                                                                     | Jan.<br>2021 | Dec.<br>2021 | Jan.<br>2022 | Q3<br>2020 | Q4<br>2020 | Q3<br>2021 | Q4<br>2021 | 2020                                                 | 2021  | Dec.<br>2020 | Jan.<br>2021 | Dec.<br>2021                                                          | Jan.<br>2022 | Q3<br>2020 | Q4<br>2020 | Q3<br>2021          | Q4<br>2021 |                                     |       |                                                    |                                                                                                                              |  |
| 1.            | 68.25                       | C                   | <b>PEMBUATAN</b>                                | 4.1                                                                                                              | 3.5          | 8.4          | 6.8          | 3.1        | 2.8        | -0.7       | 9.2        | -2.7                                                 | 9.5   | 3.3          | -0.2         | 0.5                                                                   | -1.7         | 29.5       | -0.1       | 1.8                 | 9.8        | <b>MANUFACTURING</b>                |       |                                                    |                                                                                                                              |  |
|               | 45.82                       |                     | <b>Industri Berorientasikan Eksport</b>         | 4.7                                                                                                              | 4.6          | 9.6          | 6.7          | 4.9        | 3.4        | 5.4        | 10.2       | -0.7                                                 | 11.6  | 3.0          | -0.8         | 0.4                                                                   | -3.5         | 23.2       | 0.2        | 3.5                 | 4.8        | <b>Export Oriented Industries</b>   |       |                                                    |                                                                                                                              |  |
|               | 1.1                         | 3.71                | 104                                             | Pembuatan minyak dan lemak daripada sayuran dan haiwan                                                           |              |              | -25.2        | -9.1       | 13.1       | 0.3        | 9.3        | -18.3                                                | -11.9 | 9.2          | -3.9         | -8.4                                                                  | -13.8        | 3.1        | -11.9      | -8.6                | 2.5        | -19.5                               | 6.9   | -0.2                                               | Manufacture of vegetable and animal oils and fats                                                                            |  |
|               | 1.2                         | 0.58                | 13                                              | Pembuatan tekstil                                                                                                |              |              | 1.7          | 0.2        | 7.9        | 8.4        | -11.6      | -2.2                                                 | 4.7   | 9.0          | -13.2        | 13.3                                                                  | -10.3        | 3.7        | -12.8      | 4.1                 | 45.4       | 10.6                                | 3.7   | 15.1                                               | Manufacture of textiles                                                                                                      |  |
|               | 1.3                         | 0.60                | 14                                              | Pembuatan pakaian                                                                                                |              |              | 0.6          | -2.8       | 2.0        | 2.9        | -3.9       | -1.0                                                 | -10.9 | 1.4          | -11.4        | 1.6                                                                   | 1.7          | -13.5      | 1.3        | -12.8               | 60.0       | 25.6                                | 13.9  | 42.9                                               | Manufacture of wearing apparel                                                                                               |  |
|               | 1.4                         | 1.44                | 16                                              | Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman |              |              | 0.7          | -2.8       | 8.5        | 11.3       | -8.5       | -1.3                                                 | -8.7  | 8.8          | -12.1        | 9.2                                                                   | 4.1          | -6.5       | 0.4        | -4.1                | 57.8       | 13.3                                | -7.6  | 35.0                                               | Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials |  |
|               | 1.5                         | 9.36                | 19                                              | Pembuatan kok dan produk petroleum bertapis                                                                      |              |              | -3.8         | -12.3      | 0.7        | 2.0        | -9.7       | -8.6                                                 | 18.0  | 8.6          | -10.6        | 11.6                                                                  | 6.8          | -2.1       | -6.9       | -0.9                | 24.4       | 9.4                                 | 9.1   | 0.7                                                | Manufacture of coke and refined petroleum products                                                                           |  |
|               | 1.6                         | 6.37                | 20                                              | Pembuatan kimia dan produk kimia                                                                                 |              |              | 1.7          | 0.2        | 10.3       | 7.1        | -7.5       | -3.6                                                 | 7.3   | 10.5         | -7.1         | 9.4                                                                   | 10.0         | -3.2       | 10.4       | -6.0                | 15.1       | 1.6                                 | 5.9   | 4.6                                                | Manufacture of chemicals and chemical products                                                                               |  |
|               | 1.7                         | 2.22                | 221                                             | Pembuatan produk getah                                                                                           |              |              | 61.5         | 75.1       | -12.9      | -19.7      | 61.1       | 65.9                                                 | 6.3   | -11.3        | 48.9         | 23.2                                                                  | 10.0         | 4.4        | 7.5        | -3.8                | 14.2       | 4.0                                 | -17.2 | -13.3                                              | Manufacture of rubber products                                                                                               |  |
|               | 1.8                         | 2.26                | 222                                             | Pembuatan produk plastik                                                                                         |              |              | 8.7          | 11.5       | 7.6        | 7.1        | 8.7        | 7.7                                                  | 8.7   | 7.7          | 2.1          | 12.1                                                                  | -0.8         | -4.4       | -2.2       | -4.8                | 25.4       | 1.7                                 | 12.7  | 0.8                                                | Manufacture of plastics products                                                                                             |  |
|               | 1.9                         | 13.89               | 26                                              | Pembuatan komputer, produk elektronik dan optikal                                                                |              |              | 8.8          | 9.0        | 19.0       | 16.0       | 9.6        | 8.9                                                  | 6.9   | 16.7         | 2.5          | 15.6                                                                  | 1.3          | -1.4       | 2.2        | -3.9                | 31.6       | -1.0                                | 8.7   | 8.1                                                | Manufacture of computer, electronics and optical products                                                                    |  |
|               | 1.10                        | 2.20                | 27                                              | Pembuatan kelengkapan elektrik                                                                                   |              |              | 4.0          | 6.2        | 17.4       | 10.9       | 8.8        | 4.6                                                  | 4.4   | 15.2         | 0.9          | 12.2                                                                  | 6.2          | 6.9        | 7.0        | 1.0                 | 16.9       | -5.8                                | -1.0  | 4.0                                                | Manufacture of electrical equipment                                                                                          |  |
|               | 1.11                        | 2.14                | 28                                              | Pembuatan jentera dan peralatan t.t.t.l.                                                                         |              |              | 2.6          | 1.9        | 12.1       | 6.1        | 4.5        | 3.0                                                  | 7.2   | 16.1         | 1.1          | 11.6                                                                  | -0.1         | 2.9        | -5.7       | -2.7                | 1.2        | -11.2                               | -8.2  | -3.9                                               | Manufacture of machinery and equipment n.e.c.                                                                                |  |
|               | 1.12                        | 1.04                | 31                                              | Pembuatan perabot                                                                                                |              |              | 3.7          | 4.0        | 0.9        | 5.1        | 3.9        | 3.8                                                  | -39.0 | -4.7         | -7.0         | -3.7                                                                  | 1.1          | 4.3        | 0.5        | 8.7                 | 85.5       | 0.1                                 | -23.0 | 56.3                                               | Manufacture of furniture                                                                                                     |  |
| 2.            | 22.44                       |                     | <b>Industri Berorientasikan Domestik</b>        | 3.0                                                                                                              | 1.5          | 5.7          | 7.0          | -0.4       | 1.7        | -13.5      | 7.0        | -6.6                                                 | 5.0   | 3.8          | 1.0          | 0.9                                                                   | 2.2          | 45.1       | -0.7       | -2.4                | 22.8       | <b>Domestic Oriented Industries</b> |       |                                                    |                                                                                                                              |  |
| 2.            |                             | 10<br>(Kecuali 104) |                                                 |                                                                                                                  |              |              |              |            |            |            |            |                                                      |       |              |              |                                                                       |              |            |            |                     |            |                                     |       |                                                    |                                                                                                                              |  |
|               | 2.1                         | 3.68                |                                                 | Pembuatan produk makanan                                                                                         |              |              | 3.8          | 6.3        | 9.2        | 11.1       | 4.6        | 2.9                                                  | 9.2   | 12.3         | 4.9          | 10.1                                                                  | 13.3         | -1.8       | 7.0        | -0.1                | 9.4        | -8.7                                | 8.5   | -6.1                                               | Manufacture of food products                                                                                                 |  |
|               | 2.2                         | 0.65                | 11                                              | Pembuatan minuman                                                                                                |              |              | -3.7         | -2.4       | 9.0        | 7.7        | -9.9       | -7.5                                                 | -4.4  | 11.9         | -14.5        | 9.9                                                                   | 10.5         | -8.0       | 7.1        | -9.2                | 44.2       | 5.1                                 | -0.6  | 23.1                                               | Manufacture of beverages                                                                                                     |  |
|               | 2.3                         | 0.52                | 12                                              | Pembuatan produk tembakau                                                                                        |              |              | 5.4          | 5.9        | 6.4        | 1.3        | 5.1        | 5.4                                                  | -81.8 | 6.4          | -16.0        | -12.4                                                                 | 6.4          | 2.3        | 7.6        | -2.5                | 228.1      | -3.1                                | -69.3 | 467.1                                              | Manufacture of tobacco products                                                                                              |  |
|               | 2.4                         | 0.15                | 15                                              | Pembuatan produk kulit dan barangan berkaitan                                                                    |              |              | 3.2          | 3.8        | 2.4        | 1.8        | -22.9      | -4.8                                                 | -17.1 | 3.3          | -17.9        | 11.5                                                                  | 13.0         | 6.2        | 10.9       | 5.5                 | 28.1       | 25.6                                | -38.5 | 56.5                                               | Manufacture of leather and related products                                                                                  |  |
|               | 2.5                         | 1.15                | 17                                              | Pembuatan kertas dan produk kertas                                                                               |              |              | 5.3          | 8.7        | 12.4       | 14.6       | 4.8        | 4.9                                                  | 8.4   | 16.2         | -2.9         | 14.9                                                                  | 4.8          | -4.0       | -1.5       | -2.1                | 27.7       | 4.0                                 | 9.5   | 11.6                                               | Manufacture of paper and paper products                                                                                      |  |
|               | 2.6                         | 0.93                | 18                                              | Percetakan dan penerbitan semula media rakaman                                                                   |              |              | 4.4          | 1.0        | 3.0        | 1.4        | 3.2        | 3.3                                                  | -13.2 | 1.6          | -5.1         | 3.1                                                                   | 14.6         | -11.1      | 16.0       | -12.5               | 51.2       | 2.0                                 | 2.0   | 19.4                                               | Printing and reproduction of recorded media                                                                                  |  |
|               | 2.7                         | 0.38                | 21                                              | Pembuatan produk farmaseutikal asas, kimia perubatan dan botani                                                  |              |              | 17.5         | 18.9       | 21.1       | 20.0       | 22.9       | 16.5                                                 | 12.2  | 19.5         | 14.5         | 15.7                                                                  | 1.8          | -9.2       | 3.5        | -10.0               | 10.3       | -8.4                                | 11.8  | -2.5                                               | Manufacture of basic pharmaceuticals, medicinal chemical and botanical products                                              |  |
|               | 2.8                         | 2.97                | 23                                              | Pembuatan produk galian bukan logam lain                                                                         |              |              | -0.3         | 0.3        | 2.8        | 5.5        | -8.2       | -1.6                                                 | -21.6 | 1.7          | -14.3        | 1.0                                                                   | 4.2          | -2.1       | 3.4        | 0.5                 | 77.5       | 9.2                                 | 1.5   | 41.7                                               | Manufacture of other non-metallic mineral products                                                                           |  |
|               | 2.9                         | 2.35                | 24                                              | Pembuatan logam asas                                                                                             |              |              | 3.6          | 4.8        | 7.5        | 6.4        | 3.5        | 3.6                                                  | -13.4 | 5.8          | -4.8         | 2.8                                                                   | -1.0         | -1.0       | 0.2        | -2.0                | 47.1       | -4.3                                | 5.0   | 16.9                                               | Manufacture of basic metals                                                                                                  |  |
|               | 2.10                        | 3.79                | 25                                              | Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan                                                |              |              | -5.3         | -4.9       | 6.1        | 6.7        | -11.9      | -5.7                                                 | -9.4  | 8.5          | -15.5        | 6.3                                                                   | 0.7          | 13.9       | -4.4       | 14.5                | 55.3       | 3.4                                 | 0.6   | 23.8                                               | Manufacture of fabricated metal products, except machinery and equipment                                                     |  |
|               | 2.11                        | 3.17                | 29                                              | Pembuatan kenderaan bermotor, treler dan semi treler                                                             |              |              | 17.8         | 1.4        | -1.7       | 5.0        | 12.3       | 13.3                                                 | -40.6 | 2.2          | -1.7         | 0.8                                                                   | 4.8          | -0.9       | -0.5       | 5.9                 | 63.0       | 2.3                                 | -33.8 | 76.1                                               | Manufacture of motor vehicles, trailers and semi-trailers                                                                    |  |
|               | 2.12                        | 1.19                | 30                                              | Pembuatan kelengkapan pengangkutan lain                                                                          |              |              | -3.1         | -2.9       | 2.5        | 1.7        | -10.2      | -4.1                                                 | -9.7  | 2.7          | -13.2        | 2.8                                                                   | -4.9         | 2.2        | -5.6       | 1.4                 | 63.1       | -2.4                                | 14.3  | 11.0                                               | Manufacture of other transport equipment                                                                                     |  |
|               | 2.13                        | 0.74                | 32                                              | Pembuatan lain                                                                                                   |              |              | -2.3         | -1.8       | 4.3        | 1.6        | 5.9        | 1.1                                                  | -26.1 | 5.2          | -7.6         | 2.6                                                                   | -3.6         | 8.9        | -5.5       | 6.1                 | 98.4       | -7.2                                | -6.9  | 32.1                                               | Other manufacturing                                                                                                          |  |
| 1.13          | 0.76                        | 33                  | Membaiki dan pemasangan jentera dan kelengkapan |                                                                                                                  |              | -2.7         | -1.7         | 12.1       | 6.2        | -3.9       | -2.6       | -21.0                                                | 7.7   | -8.5         | -0.1         | -20.9                                                                 | 17.1         | -18.3      | 10.9       | 48.2                | -11.9      | -2.0                                | 20.1  | Repair and installation of machinery and equipment |                                                                                                                              |  |

A blue rounded rectangular box with a slight drop shadow, containing the text 'NOTA TEKNIKAL' and 'TECHNICAL NOTES'.

**NOTA TEKNIKAL**  
*TECHNICAL NOTES*

## INDEKS PENGELUARAN PERINDUSTRIAN MALAYSIA (2015=100)

- 1. Pengenalan**

Penerbitan bulan rujukan Januari 2018 adalah keluaran pertama yang menggunakan 2015 sebagai tahun asas dalam pembentukan Indeks Pengeluaran Perindustrian (IPP), Malaysia. Tahun asas 2015 ini menggantikan tahun asas 2010 yang telah digunakan sebelum ini. Pengasasan semula tahun asas ini merupakan kali kesembilan dilaksanakan oleh Jabatan Perangkaan Malaysia.

IPP merangkumi tiga sektor utama iaitu Perlombongan, Pembuatan dan Elektrik. Liputan ini adalah selaras dengan definisi sektor perindustrian dalam **International Recommendations for the Index of Industrial Production (IRIIP) 2010** yang dikeluarkan oleh United Nations.
- 2. Objektif**

Objektif utama IPP adalah untuk mengukur kadar perubahan sebenar pengeluaran komoditi perindustrian bagi satu tempoh masa. Maklumat daripada indikator jangka pendek ini dapat digunakan untuk membantu pengguna dalam merangka dasar serta membuat keputusan.
- 3. Tujuan pengasasan Semula**

Pengasasan semula adalah penting bagi memenuhi keperluan permintaan untuk mendapatkan pengukuran yang lebih tepat dan boleh dipercayai. Pengasasan semula dan perubahan wajaran dilakukan bagi memastikan:

  - i. skop dan liputan indeks memenuhi keperluan pengguna;
  - ii. struktur indeks menggambarkan keadaan aktiviti industri terkini; dan
  - iii. Wajaran yang digunakan mencerminkan kepentingan industri yang terlibat.
- 4. Sumber Data Pengasasan Semula**

Data daripada Banci Ekonomi bagi Industri Perlombongan dan Pengkuarian dan Banci Ekonomi bagi sektor Pembuatan tahun rujukan 2015 telah digunakan untuk mengasas semula indeks bagi kedua-dua sektor ini. Manakala data daripada Tenaga Nasional Berhad (TNB) termasuk pengeluar tenaga bebas, Sabah Electricity Sdn Bhd (SESB) dan Sarawak Energy Berhad (SEB) bagi tahun yang sama telah digunakan untuk mengemaskini wajaran sektor elektrik.
- 5. Skop dan Liputan**

Sektor **Perlombongan** meliputi pengeluaran minyak mentah dan gas asli yang mana kesemuanya menyumbang sebanyak 83.1% kepada nilai output kasar dan 89.6% kepada nilai ditambah banci sektor Perlombongan pada tahun 2015.

Sektor **Pembuatan** meliputi pengeluaran **245** Industri daripada sejumlah **259** industri. Sejumlah **245** industri terpilih ini meliputi **70** kumpulan industri. Pemilihan industri dan kumpulan ini berdasarkan sumbangan masing-masing kepada **Nilai Ditambah banci** bagi sektor Pembuatan pada tahun 2015. Industri-industri terpilih ini telah menyumbangkan **99.97%** Nilai Ditambah banci dan **99.98%** nilai Output Kasar bagi sektor Pembuatan pada tahun 2015.

Industri-industri ini pula diwakili oleh pengeluaran **879** produk yang menyumbangkan **91.70%** dari segi jumlah Nilai Jualan dalam sektor Pembuatan. Ciri utama pemilihan produk bagi industri-industri ini telah dipilih berdasarkan sumbangan produk berkenaan kepada **jumlah nilai jualan** bagi industri tersebut.

Sektor **Elektrik** pula meliputi penjanaan tenaga elektrik oleh loji yang dilesenkan untuk menjana dan menjual tenaga elektrik. Loji seumpama ini menyumbangkan **98.1%** kepada jumlah tenaga elektrik yang dijanakan pada tahun 2015.

### 6. Wajaran

Wajaran untuk pengiraan IPP telah diperoleh seperti berikut:

#### Peringkat Sektor

Wajaran mengikut peratus sumbangan dari segi Keluaran Dalam Negeri Kasar (KDNK) pada harga semasa 2015 bagi Malaysia dalam sektor Perlombongan, Pembuatan dan Elektrik; dan

#### Peringkat Kumpulan dan Industri

Wajaran berdasarkan peratus kepada jumlah Nilai Ditambah Banci bagi Kumpulan dan Industri terpilih pada tahun 2015. Dalam sesebuah industri, wajaran bagi produk telah ditentukan berdasarkan peratus sumbangan nilai jualan terhadap industri berkenaan.

### 7. Sumber Data Bulanan

Data bulanan pengeluaran minyak mentah dan gas asli diperoleh daripada PETRONAS.

Data pengeluaran bagi **245** industri terpilih dalam sektor Pembuatan diperoleh melalui Survei Pembuatan Bulanan yang mana pertubuhan yang memberi sumbangan yang signifikan dari segi nilai jualan diliputi. Data pengeluaran bagi tiga industri lagi, iaitu minyak kelapa sawit mentah, minyak kelapa sawit bertapis dan minyak isi rong kelapa sawit diperoleh daripada Lembaga Minyak Sawit Malaysia (MPOB).

Data bulanan penjanaan tenaga elektrik diperoleh daripada Tenaga Nasional Berhad (TNB), Sabah Electricity Sdn Bhd (SESB) dan Sarawak Energy Berhad (SEB).

### 8. Konsep dan Definisi

Konsep dan definisi yang digunakan dalam penerbitan ini adalah berdasarkan Klasifikasi Standard Perindustrian Malaysia 2008 Ver. 1.0 yang mana selaras dengan '*International Standard Industrial Classification Of All Economic Activities (ISIC) Rev.4*'.

#### Perlombongan

Perlombongan merupakan sebahagian daripada Kategori "Perlombongan dan Pengkuarian". Ia ditakrifkan sebagai "pengekstrakan, pembersihan, mengeluarkan galian yang terjadi secara semulajadi sebagai pepejal seperti batu arang dan bijih, cecair seperti minyak mentah atau gas seperti gas asli. Pengekstrakan galian dijalankan melalui proses seperti perlombongan bawah tanah atau dedah, kapal korek, pengkuarian,

pengoperasian telaga atau dulang sejatan atau melalui pengambilan semula daripada bijih buangan atau amang. Semua aktiviti tambahan yang bertujuan untuk penyediaan bahan mentah untuk pemasaran yang dijalankan berhampiran dengan tapak lombong seperti pengilangan, pembersihan dan mengeluarkan bijih, penapisan, pembersihan dan pengapungan juga termasuk”.

### **Pembuatan**

Pembuatan ditakrifkan sebagai "penukaran secara mekanikal atau kimia bagi bahan bukan organik atau organik kepada produk baru sama ada pekerjaan itu dilakukan oleh jentera yang digerakkan oleh kuasa atau tangan, sama ada dilakukan di kilang atau di rumah pekerja, dan sama ada produk dijual secara borong atau runcit." Pemasangan bahagian komponen produk dianggap sebagai pembuatan kecuali dalam kes yang mana kegiatan itu sesuai dikelaskan di bawah ‘Pembinaan’. Pertubuhan yang kegiatan utamanya ialah kerja pembaikan turut dimasukkan dan dikelaskan mengikut jenis produk yang diperbaiki.

### **Elektrik**

Elektrik merujuk kepada "penjanaan, pengumpulan, pemancaran atau pengagihan tenaga elektrik untuk jualan kepada pengguna isi rumah, perindustrian atau komersil”.

### **Industri Berorientasikan Eksport dan Domestik Sektor Pembuatan**

Pengelasan penentuan industri berorientasikan eksport adalah berdasarkan kepada *threshold* nilai eksport melebihi 50 peratus daripada nilai jualan di peringkat agregat MSIC 3-digit dan 2-digit manakala industri dengan nilai eksport di bawah *threshold* berkenaan dikelaskan sebagai industri berorientasikan domestik. Penentuan pengelasan tersebut dibuat menggunakan data daripada Banci Ekonomi 2011, Banci Ekonomi 2016, Survei Ekonomi Tahunan 2018 dan Statistik Perdagangan Luar Negeri Bulanan.

## **9. Unit Melapor**

Unit melapor bagi survei ini ialah **pertubuhan**. Sesebuah pertubuhan ditakrifkan sebagai “satu unit ekonomi yang bergiat di bawah satu hak milik atau penguasaan tunggal, iaitu di bawah satu entiti yang sah. Ia menjalankan satu jenis aktiviti ekonomi utama di satu tempat / lokasi fizikal”. Setiap pertubuhan diberikan klasifikasi industri berdasarkan aktiviti utamanya. Bagi pertubuhan yang menjalankan pelbagai aktiviti,

unit yang bergiat dalam aktiviti yang berasingan dalam satu lokasi yang sama adalah terdiri daripada entiti pertubuhan yang berbeza. Oleh itu, setiap cawangan daripada organisasi yang mempunyai pelbagai cawangan di lokasi yang berbeza dari segi konsep dianggap sebagai pertubuhan yang berlainan. Pertubuhan berkenaan diminta memberikan penyata yang berasingan bagi setiap kegiatannya dari segi nilai. Walau bagaimanapun, dari segi praktisnya akaun biasanya disediakan secara berpusat kerana kesukaran untuk memperoleh data yang berasingan bagi setiap unit atau cawangan. Entiti atau enterpris ini akan dianggap sebagai satu unit pelapor dan dibenarkan mengemukakan soal selidik yang menggabungkan semua unit atau cawangannya.

## 10. Prosedur Pengiraan

Pada amnya, prosedur berikut telah digunakan untuk memperoleh IPP:

- i. mengira relatif produk berdasarkan data pengeluaran;
- ii. mengira indeks industri berdasarkan purata aritmetik berwajaran relatif kuantiti; dan
- iii. mengira indeks untuk kumpulan dan sektor berdasarkan kepada indeks industri yang berkenaan.

IPP yang disusun ialah satu purata aritmetik berwajaran tahun asas bagi relatif kuantiti yang dikira mengikut formula Laspeyres:

$$I_i = \frac{\sum R_i W_i}{\sum W_i}$$

Di mana:

**I<sub>i</sub>** ialah indeks untuk item 'i'

**R<sub>i</sub>** ialah relatif produk untuk item 'i' bagi bulan berkenaan

**W<sub>i</sub>** ialah wajaran tahun asas bagi item 'i'

IPP disusun pada peringkat sektor (1-digit), industri (peringkat 5-digit) dan komoditi (peringkat 10-digit) bagi sektor **Perlombongan**; sektor (1-digit), bahagian (peringkat 2-digit), kumpulan (peringkat 3-digit) dan industri (peringkat 5-digit) bagi sektor **Pembuatan**; dan pada peringkat sektor (1-digit) bagi sektor **Elektrik**. Di samping itu, indeks keseluruhan bagi ketiga-tiga sektor yang disatukan juga ditunjukkan.

## 11. Pelarasan Musim

Data siri masa adalah amat berguna untuk ahli ekonomi, pembuat dasar & keputusan serta penganalisis siri masa untuk mengenal pasti ciri-ciri penting siri ekonomi seperti arah aliran, turning point dan konsistensi antara penunjuk ekonomi yang lain. Kadangkala ciri ini sukar untuk diperhatikan kerana pergerakan bermusim. Oleh itu, sekiranya kesan bermusim boleh disingkirkan, arah aliran data siri ini dapat dilihat dengan lebih baik. Anggaran dan penyingkiran kesan bermusim dipanggil **pelarasan bermusim**.

Pelarasan bermusim adalah satu proses untuk mengenal pasti dan menyingkirkan bentuk pola bermusim yang biasa berlaku dalam tempoh satu tahun, yang mungkin juga merangkumi pengaruh dari kesan cuti yang bergerak dan hari bekerja/berdagang bagi suatu tempoh. Objektif utama proses ini adalah untuk menyerlahkan arah aliran dan pergerakan-pergerakan jangka pendek dalam siri ini.

Di Malaysia, kebanyakan data siri masa dipengaruhi oleh kesan bermusim. Oleh itu, untuk menghapus dan melaraskan kesan bermusim data siri masa ekonomi Malaysia, pakej standard pelarasan bermusim, X-12 ARIMA telah digunakan oleh Jabatan Perangkaan, Malaysia. Data siri masa ekonomi Malaysia juga kerap dipengaruhi oleh perayaan agama utama seperti Hari Raya Aidilfitri bagi umat Islam, Tahun Baru Cina untuk kaum Cina dan Deepavali untuk kaum India. Tarikh perayaan-perayaan ini tetap mengikut tahun lunar tetapi berbeza-beza mengikut kalendar *Gregorian*. Oleh itu, untuk menganggar dan menyingkirkan kesan cuti yang bergerak dari data siri masa, satu prosedur telah dibangunkan iaitu *Seasonal Adjustment For Malaysia (SEAM)*.

## 12. Menghubungkan siri lama kepada tahun asas baru

Data siri tahun asas yang lama dihubungkan dengan tahun asas yang baru untuk memastikan terdapat siri yang berterusan bagi tujuan analisis. Metodologi ini membolehkan perbandingan dari segi tahun ke atas tahun dan bulan ke atas bulan dilaksanakan berdasarkan tahun asas yang baru. Siri yang lama dihubungkan dengan tahun asas yang baru menggunakan formula berikut:

Linked indeks (tahun asas 2015) = indeks (tahun asas 2010) x faktor

Di mana faktor = 
$$\frac{\text{indeks tahunan (tahun asas 2015)}}{\text{indeks tahunan (tahun asas 2010)}}$$

## 13. Frekuensi Penyusunan

IPP disusun bagi setiap bulan takwim manakala indeks suku tahunan dan tahunan pula disusun berasaskan data siri bulanan.

## 14. Keperluan Kerahsiaan

Data yang digunakan bagi penyusunan IPP telah dipungut di bawah peruntukan **Akta Perangkaan 1965 (pindaan-1989)**. Akta ini mensyaratkan bahawa kandungan penyata individu adalah **sulit**. Selaras dengan peruntukan dalam Akta ini, hanya angka agregat diterbitkan.

## 15. Pindaan

Pindaan akan dibuat ke atas angka yang telah diterbitkan berdasarkan data terkini yang diperoleh.

## 16. Simbol dan singkatan

- tanda negatif
- t.t.t.l** tidak terkelas di tempat lain
- n.a** tidak diperoleh

## INDUSTRIAL PRODUCTION INDEX, MALAYSIA (2015=100)

- 1. Introduction**

*The publication for reference month January 2018 is the first release using 2015 as the base year in the compilation of Industrial Production Index (IPI), Malaysia. The base year 2015 replaced the base year 2010 which has been used before. It is the ninth time rebasing of IPI has been done by the Department of Statistics, Malaysia.*

*The IPI covers three major sectors namely Mining, Manufacturing and Electricity. This coverage is in line with the industrial sector definition in the International Recommendations for the Index of Industrial Production (IRIIP) 2010 issued by the United Nations.*
- 2. Objective**

*The main objective of the IPI is to measure the rate of change in the production of industrial commodities in real terms over time. Information from this short term indicators can be used to assist users in policy formulation and decision making.*
- 3. Purpose of Rebasing**

*Rebasing is important due to the demand for more accurate, reliable and credible measure. The rebasing and reweighting are conducted to ensure that:*

  - i. the scope and coverage of the indices continue to meet the needs of users;*
  - ii. the structure of the indices reflects the current activities of the industry; and*
  - iii. the weights used continue to be representative of the industry concerned.*
- 4. Data Sources for Rebasing**

*Data from the Census of Mining and Quarrying and Census of Manufacturing Industries for reference year 2015 are used to rebase the IPI for the two sectors, while data from Tenaga Nasional Berhad (TNB) (including Independent Power Producers), Sabah Electricity Sdn. Bhd. (SESB) and Sarawak Energy Berhad (SEB) for the same reference year are*
- 5. Scope and Coverage**

*The Mining sector covers the production of crude oil and natural gas which together accounted for **83.1%** of the value of gross output and 89.6% of the census value added of the Mining sector in 2015.*

*The Manufacturing sector covers the production of **245** industries of a total of **259** industries. These 245 selected industries covered **70** groups of industry. The selection of the industries and groups is based on their contributions to the Census value added of the Manufacturing sector in 2015. These selected industries accounted for **99.97%** of the Census value added and **99.98%** of the Value of gross output of the Manufacturing sector in **2015**. They were in turn represented by the production of **879** products which accounted for **91.70%** in terms of the total sales value of the Manufacturing sector. The main characteristic for selection of products for these industries are based on of their contributions to the total sales value of that particular industry.*

*The electricity sector covers the generation of electricity by licensed plants to generate as well as to sell electricity. These plants accounted for 98.1%*

## 6. Weights

*The weights used for the computation of the IPI have been derived as*

### **Sector Level**

*The weights are in proportion to the Mining, Manufacturing and Electricity sectors' respective contribution to the Gross Domestic Product (GDP) of Malaysia at current prices 2015; and*

### **Group and Industry Level**

*The weights are based on their proportion to the total census value added of the selected Groups and Industries in 2015. Within an industry, the weights of products have been determined on the basis of their proportion to the total sales value of that industry.*

## 7. Sources of Monthly

*Monthly data on the production of crude oil and natural gas are obtained from PETRONAS.*

*Production data for 245 selected Industries in the Manufacturing sector are canvassed through the Monthly Manufacturing Survey where establishments with significant sales value are covered. Establishments with significant sales value are also covered purposively. Production data for the remaining three industries, namely crude palm oil, refined palm kernel oil and palm kernel oil are obtained from the Malaysian Palm Oil Board (MPOB).*

*Monthly data on the generation of electricity are obtained from Tenaga Nasional Berhad (TNB), Sabah Electricity Sdn. Bhd. (SESB) and Sarawak*

## 8. Concepts and Definitions

*The concepts and definitions used in this publication are defined in the Malaysia Standard Industrial Classification (MSIC) 2008 which adhere to that of the International Standard Industrial Classification Of All Economic Activities (ISIC), Rev. 4.*

### **Mining**

*Mining is part of the Category "Mining and Quarrying". It is defined as "extraction, dressing and beneficiating of minerals occurring naturally as solids such as coal and ores, liquids such as crude oil or gases such as natural gas. Extraction of minerals is undertaken by such processes as underground or open casting (open pit) mining, dredging, quarrying, the operation of wells or evaporation pans, or by recovery from ore dumps or tailings. All supplementary activities aimed at preparing the crude materials for marketing, done generally near or at the mine site as crushing, screening, washing, clearing, grading, milling, flotation, melting, pelleting, topping are also included".*

## **Manufacturing**

*Manufacturing is defined as "the mechanical or chemical transformation of inorganic or organic substances into new products whether the work is performed by power driven machines or by hand, whether it is done by the factory or in the worker's home, and whether the products are sold at wholesale or retail". Assembly of the component parts of manufactured products is considered as manufacturing except in cases where the activity is appropriately classified under 'Construction'. Establishments primarily engaged in repair work are included and classified according to the type of product repaired.*

## **Electricity**

*Electricity refers to "the generation, collection, transmission or distribution of electric energy for sale to household, industrial or commercial users".*

## **Exports and Domestic Oriented Industries of Manufacturing Sector**

*The classification of export-oriented industry was determined using the threshold of value of exports exceeding 50 per cent of the sales value at aggregated of MSIC 3-digit and 2-digit while the industries which value of exports below the threshold are classified as domestic-oriented industry. The determination of classification was conducted using data from the Economic Census 2011, Economic Census 2016, Annual Economic Survey 2018 and Monthly External Trade statistics.*

## **9. Reporting Unit**

*The reporting unit used in the survey was the **establishment**. An establishment is defined as "an economic unit engaged in one activity, under a single legal entity and operating in a single physical location". Each establishment was assigned an industry classification based on its principal activity. In the case of a multi-activity entity, units engaged in separate activities in the same location constituted distinct establishments. Thus, each branch of a multi-branch organization at a different location was conceptually treated as a different establishment. The establishment was requested to give separate returns for each activity in terms of value. However in practice, the accounts were centrally kept such that it was not possible to obtain separate data for each individual unit or branch. The entity or enterprise was treated as a single reporting unit and allowed to submit a consolidated questionnaire covering all the units or branches.*

## **10. Computational procedure**

*In general, the procedure used to derive the IPI is as follows:*

- (a) computing the product relatives based on production data;*
- (b) computing industry indices based on the weighted arithmetic average of quantity relatives; and*
- (c) computing the indices for groups and for sectors based on the individual industry indices.*

*The IPI compiled is a base year weighted arithmetic average of quantity relatives computed by the Laspeyres formula:*

*Where:*

$$I_i = \frac{\sum R_i W_i}{\sum W_i}$$

*I<sub>i</sub> is the index for item 'i'*

*R<sub>i</sub> is the product relative for item 'i' for the reference month*

*W<sub>i</sub> is the base year weight for item 'i'*

*The IPI is compiled at the sector (1-digit), industry (5-digit levels) and commodity (10-digit levels) for the Mining sector; sector (1-digit), division (2-digit levels), group (3-digit levels) and industry (5-digit) for the Manufacturing sector; and sector (1-digit) for the Electricity sector. In addition, an overall index for all the three sectors combined is also shown.*

## **11. Seasonal Adjustment**

*Time-series data are very useful for economists, policy & decision makers and time-series analysts to identify the important features of economic series such as direction, turning point and consistency between other economic indicators. Sometimes this feature is difficult to observe because of seasonal movements. Thus, if the seasonal effect can be removed, the behaviour of the series would be better viewed. The estimation and removal of the seasonal effects is called seasonal adjustment.*

*Seasonal adjustment is a process to identify and to remove the regular within a year seasonal pattern, which may also include the influences of moving holidays and working/trading days effect in each period. The ultimate objective of the process is to highlight the underlying trends and short-term movements in the series.*

*In Malaysia, most of the time series data are affected by seasonal effects. Hence, to eliminate the seasonal effect as well as to seasonally adjust the Malaysian economic time series data, a standard seasonal adjustment package, X-12 ARIMA was used by Department of Statistics, Malaysia. Malaysian economic time series data also often affected by major religious festivals such as Eid-al Fitr for Muslims, Chinese New Year to the Chinese and the Indian Deepavali. These festivals' dates are fixed according to the lunar year but vary according to the Gregorian calendar. Therefore, to estimate and remove moving holiday effect from time-series data, a procedure was developed, namely Seasonal Adjustment for Malaysia (SEAM).*

**12. Linking Historical to the New Base year** *The historical IPI are linked to the new base year to ensure there is a continuous time series for analysis purposes. This methodology has the advantage that it preserves the year on year as well as the month on month growth rates for the newly linked series. The series are linked to the new series by normalizing them to the new base year using the formula below:*

*Linked index (based 2015) = index (based 2010) x factor*

*Where factor =  $\frac{\text{annual index (based 2015)}}{\text{annual index (based 2010)}}$*

**13. Frequency of Compilation** *The IPI is compiled for each calendar month while the quarterly and annual indices are computed from the monthly series.*

**14. Confidentiality requirements** *The data used for the compilation of IPI have been collected under the provisions of the Statistics Act 1965 (Revised-1989). The Act stipulates that the contents of individual return are confidential. In conformity with the stipulations of this Act, only aggregated figures are published.*

**15. Revision** *Revisions will be made to the published figures based on the latest data*

**16. Symbols and abbreviations**

- negative sign
- n.e.c not elsewhere classified
- n.a not available



**LAMPIRAN**  
*APPENDIX*

**Senarai Kumpulan, Industri dan Keterangan bagi Indeks Pembuatan (2015=100) berdasarkan  
Piawai Klasifikasi Industri Malaysia 2008, ver. 1.0**  
*List of Group, Industry and Description of Manufacturing Index (2015=100) based on the  
Malaysia Standard Industrial Classification 2008, ver 1.0*  
**Liputan Sebelum/ Previous Coverage**

| Bil/ No. | Kumpulan/<br>Group | MSIC 2008 | Keterangan/ Description                                                                                                                 |
|----------|--------------------|-----------|-----------------------------------------------------------------------------------------------------------------------------------------|
| 1        | 104                | 10401     | Pembuatan minyak sawit mentah<br><i>Manufacture of crude palm oil</i>                                                                   |
|          |                    | 10402     | Pembuatan minyak sawit bertapis<br><i>Manufacture of refined palm oil</i>                                                               |
|          |                    | 10403     | Pembuatan minyak isirong<br><i>Manufacture of palm kernel oil</i>                                                                       |
|          |                    | 10404     | Pembuatan minyak sayuran mentah dan bertapis<br><i>Manufacture of crude and refined vegetable oil</i>                                   |
|          |                    | 10406     | Pembuatan sebatian lemak masakan<br><i>Manufacture of compound cooking fats</i>                                                         |
| 2        | 105                | 10501     | Pembuatan aiskrim dan ais lain yang boleh dimakan seperti sorbet<br><i>Manufacture of ice cream and other edible ice such as sorbet</i> |
|          |                    | 10502     | Pembuatan susu pekat, tepung dan sejat<br><i>Manufacture of condensed, powdered and evaporated milk</i>                                 |
| 3        | 106                | 10611     | Pengilangan beras<br><i>Rice milling</i>                                                                                                |
|          |                    | 10613     | Pengilangan tepung<br><i>Flour milling</i>                                                                                              |
| 4        | 107                | 10711     | Pembuatan biskut dan cookies<br><i>Manufacture of biscuits and cookies</i>                                                              |
|          |                    | 10712     | Pembuatan roti, kek dan produk bakeri lain<br><i>Manufacture of bread, cakes and other bakery products</i>                              |
|          |                    | 10713     | Pembuatan produk snek<br><i>Manufacture of snack products</i>                                                                           |
|          |                    | 10721     | Pembuatan gula<br><i>Manufacture of sugar</i>                                                                                           |
|          |                    | 10731     | Pembuatan produk koko<br><i>Manufacture of cocoa products</i>                                                                           |
|          |                    | 10732     | Pembuatan coklat dan produk coklat<br><i>Manufacture of chocolate and chocolate products</i>                                            |
|          |                    | 10733     | Pembuatan konfeksi gula<br><i>Manufacture of sugar confectionery</i>                                                                    |
|          |                    | 10741     | Pembuatan bihun, mi dan produk lain yang berkaitan<br><i>Manufacture of meehoon, noodles and other related product</i>                  |
|          |                    | 10750     | Pembuatan makanan dan hidangan tersedia<br><i>Manufacture of prepared meals and dishes</i>                                              |
|          |                    | 10791     | Pembuatan kopi<br><i>Manufacture of coffee</i>                                                                                          |

| Bil/ No. Kumpulan/ MSIC 2008 |     | Keterangan/ Description |                                                                                                                                                                                         |
|------------------------------|-----|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Group                        |     |                         |                                                                                                                                                                                         |
| 5                            | 110 | 10793                   | Pembuatan sos dan bahan perasa<br><i>Manufacture of sauces and condiments</i>                                                                                                           |
|                              |     | 10794                   | Pembuatan rempah ratus dan serbuk kari<br><i>Manufacture of spices and curry powder</i>                                                                                                 |
|                              |     | 10799                   | Pembuatan produk makanan lain t.t.t.l.<br><i>Manufacture of other food products n.e.c.</i>                                                                                              |
|                              |     | 11030                   | Pembuatan minuman keras malt dan malt<br><i>Manufacture of malt liquors and malt</i>                                                                                                    |
|                              |     | 11041                   | Pembuatan minuman ringan<br><i>Manufacture of soft drinks</i>                                                                                                                           |
| 6                            | 120 | 11042                   | Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan<br><i>Production of natural mineral waters and other bottled waters</i>                                             |
|                              |     | 12000                   | Pembuatan produk tembakau<br><i>Manufacture of tobacco products</i>                                                                                                                     |
|                              |     | 13110                   | Penyediaan dan pemintalan gentian tekstil<br><i>Preparation and spinning of textile fibres</i>                                                                                          |
| 7                            | 131 | 13120                   | Penenunan tekstil<br><i>Weaving of textiles</i>                                                                                                                                         |
|                              |     | 13132                   | Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabric<br><i>Dyeing, bleaching, printing and finishing of yarns and fabrics</i>                                        |
|                              |     | 14102                   | Pembuatan pakaian<br><i>Manufacture of clothings</i>                                                                                                                                    |
| 8                            | 141 | 14102                   | Pembuatan pakaian<br><i>Manufacture of clothings</i>                                                                                                                                    |
| 9                            | 151 | 15120                   | Pembuatan bagasi, beg tangan dan seumpamanya, pelana dan abah-abah<br><i>Manufacture of luggage, handbags and the like, saddlery and harness</i>                                        |
| 10                           | 152 | 15201                   | Pembuatan kasut kulit<br><i>Manufacture of leather footwear</i>                                                                                                                         |
|                              |     | 15203                   | Pembuatan kasut getah<br><i>Manufacture of rubber footwear</i>                                                                                                                          |
|                              |     | 16100                   | Pengilangan dan pengetaman kayu<br><i>Sawmilling and planning of wood</i>                                                                                                               |
| 11                           | 161 | 16211                   | Pembuatan kepingan venier dan papan lapis<br><i>Manufacture of veneer sheets and plywood</i>                                                                                            |
|                              |     | 16212                   | Pembuatan papan partikel dan papan gentian<br><i>Manufacture of particle board and fibreboard</i>                                                                                       |
|                              |     | 16221                   | Pertukangan kayu untuk jurubina<br><i>Manufacture of builders' carpentry</i>                                                                                                            |
|                              |     | 16230                   | Pembuatan bekas kayu<br><i>Manufacture of wooden containers</i>                                                                                                                         |
|                              |     | 17010                   | Pembuatan pulpa, kertas dan kertas tebal<br><i>Manufacture of pulp, paper and paperboard</i>                                                                                            |
| 12                           | 162 | 16211                   | Pembuatan kepingan venier dan papan lapis<br><i>Manufacture of veneer sheets and plywood</i>                                                                                            |
|                              |     | 16212                   | Pembuatan papan partikel dan papan gentian<br><i>Manufacture of particle board and fibreboard</i>                                                                                       |
| 13                           | 170 | 16221                   | Pertukangan kayu untuk jurubina<br><i>Manufacture of builders' carpentry</i>                                                                                                            |
|                              |     | 16230                   | Pembuatan bekas kayu<br><i>Manufacture of wooden containers</i>                                                                                                                         |
|                              |     | 17010                   | Pembuatan pulpa, kertas dan kertas tebal<br><i>Manufacture of pulp, paper and paperboard</i>                                                                                            |
| 14                           | 170 | 17020                   | Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal<br><i>Manufacture of corrugated paper and paperboard and of containers of paper and paperboard</i> |
|                              |     | 17020                   | Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal<br><i>Manufacture of corrugated paper and paperboard and of containers of paper and paperboard</i> |



| Bil/ No. Kumpulan/ MSIC 2008<br>Group |     |       | Keterangan/ Description                                                                                                                                                                                                                      |
|---------------------------------------|-----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       |     | 17091 | Pembuatan sampul surat dan kad surat<br><i>Manufacture of envelopes and letter-card</i>                                                                                                                                                      |
|                                       |     | 17092 | Pembuatan kertas kegunaan rumah dan pembersih peribadi<br><i>Manufacture of household and personal hygiene paper</i>                                                                                                                         |
|                                       |     | 17093 | Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding<br><i>Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper</i>                                                |
| 14                                    | 181 | 18110 | Percetakan<br><i>Printing</i>                                                                                                                                                                                                                |
|                                       |     | 18120 | Aktiviti perkhidmatan berkaitan percetakan<br><i>Service activities related to printing</i>                                                                                                                                                  |
| 15                                    | 192 | 19201 | Pembuatan produk petroleum bertapis<br><i>Manufacture of refined petroleum products</i>                                                                                                                                                      |
| 16                                    | 201 | 20111 | Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat<br><i>Manufacture of liquefied or compressed inorganic industrial or medical gases</i>                                                              |
|                                       |     | 20112 | Pembuatan kimia organik asas<br><i>Manufacture of basic organic chemicals</i>                                                                                                                                                                |
|                                       |     | 20113 | Pembuatan sebatian bukan organik<br><i>Manufacture of inorganic compounds</i>                                                                                                                                                                |
|                                       |     | 20121 | Pembuatan baja<br><i>Manufacture of fertilizers</i>                                                                                                                                                                                          |
|                                       |     | 20131 | Pembuatan plastik dalam bentuk primer<br><i>Manufacture of plastics in primary forms</i>                                                                                                                                                     |
| 17                                    | 202 | 20210 | Pembuatan racun perosak dan produk agrokimia lain<br><i>Manufacture of pesticides and other agrochemical products</i>                                                                                                                        |
|                                       |     | 20221 | Pembuatan cat, varnis dan penyadur dan mastic<br><i>Manufacture of paints, varnishes and similar coatings ink and mastics</i>                                                                                                                |
|                                       |     | 20222 | Pembuatan dakwat cetak<br><i>Manufacture of printing ink</i>                                                                                                                                                                                 |
|                                       |     | 20231 | Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengila<br><i>Manufacture of soap and detergents, cleaning and polishing preparations</i>                                                                                        |
|                                       |     | 20232 | Pembuatan pewangi dan penyediaan dandanan diri<br><i>Manufacture of perfumes and toilet preparations</i>                                                                                                                                     |
|                                       |     | 20291 | Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials<br><i>Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials</i>                                    |
|                                       |     | 20299 | Pembuatan produk kimia lain t.t.t.l.<br><i>Manufacture of other chemical products n.e.c.</i>                                                                                                                                                 |
| 18                                    | 210 | 21001 | Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan<br><i>Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments</i> |

| Bil/ No. Kumpulan/ MSIC 2008 |     | Keterangan/ Description |                                                                                                                                                                                                                                                           |
|------------------------------|-----|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Group                        |     |                         |                                                                                                                                                                                                                                                           |
| 19                           | 221 | 22111                   | Pembuatan tayar getah untuk kenderaan<br><i>Manufacture of rubber tyres for vehicles</i>                                                                                                                                                                  |
|                              |     | 22112                   | Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup<br><i>Manufacture of interchangeable tyre treads and retreading rubber tyres</i>                                                                                                           |
|                              |     | 22192                   | Pembuatan sarung tangan getah<br><i>Manufacture of rubber gloves</i>                                                                                                                                                                                      |
|                              |     | 22193                   | Pengilangan semula getah dan prosesan susu getah<br><i>Rubber remilling and latex processing</i>                                                                                                                                                          |
|                              |     | 22199                   | Pembuatan produk getah lain yang t.t.t.l.<br><i>Manufacture of other rubber products n.e.c.</i>                                                                                                                                                           |
| 20                           | 222 | 22201                   | Pembuatan produk plastik separa siap<br><i>Manufacture of semi-manufactures of plastic products</i>                                                                                                                                                       |
|                              |     | 22202                   | Pembuatan produk plastik siap<br><i>Manufacture of finished plastic products</i>                                                                                                                                                                          |
|                              |     | 22203                   | Pembuatan artikel plastik untuk pembungkusan barangan<br><i>Manufacture of plastic articles for the packing of goods</i>                                                                                                                                  |
|                              |     | 22204                   | Pembuatan barangan plastik jurubina<br><i>Manufacture of builders' plastics ware</i>                                                                                                                                                                      |
|                              |     | 22205                   | Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastic<br><i>Manufacture of plastic tableware, kitchenware and toilet articles</i>                                                                                               |
|                              |     | 22209                   | Pembuatan pelbagai produk plastik t.t.t.l.<br><i>Manufacture of diverse plastic products n.e.c.</i>                                                                                                                                                       |
| 21                           | 231 | 23101                   | Pembuatan kaca leper, termasuk kaca leper berdawai, berwarna atau sedikit berwarna<br><i>Manufacture of flat glass, including wired, coloured or tinted flat glass</i>                                                                                    |
|                              |     | 23109                   | Pembuatan produk kaca lain t.t.t.l.<br><i>Manufacture of other glass products n.e.c.</i>                                                                                                                                                                  |
| 22                           | 239 | 23921                   | Pembuatan seramik bukan refraktori<br><i>Manufacture of non-refractory ceramic</i>                                                                                                                                                                        |
|                              |     | 23930                   | Pembuatan produk porselin dan seramik lain<br><i>Manufacture of other porcelain and ceramic products</i>                                                                                                                                                  |
|                              |     | 23941                   | Pembuatan simen hidrolik<br><i>Manufacture of hydraulic cement</i>                                                                                                                                                                                        |
|                              |     | 23942                   | Pembuatan kapur dan plaster<br><i>Manufacture of lime and plaster</i>                                                                                                                                                                                     |
|                              |     | 23951                   | Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering<br><i>Manufacture of ready-mix and dry-mix concrete and mortars</i>                                                                                                                          |
|                              |     | 23952                   | Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan<br><i>Manufacture of precast concrete, cement or artificial stone articles for use in construction</i>                                                        |
|                              |     | 23953                   | Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan<br><i>Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone</i> |



| Bil/ No. Kumpulan/ MSIC 2008<br>Group |     |       | Keterangan/ Description                                                                                                                                                                                                                             |
|---------------------------------------|-----|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                       |     | 23959 | Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.<br><i>Manufacture of other articles of concrete, cement and plaster n.e.c.</i>                                                                                                           |
|                                       |     | 23990 | Pembuatan produk mineral bukan logam lain t.t.t.l.<br><i>Manufacture of other non-metallic mineral products n.e.c.</i>                                                                                                                              |
| 23                                    | 241 | 24101 | Pengeluaran jongkong besi dan spiegeleisen dalam bentuk jongkong, blok atau dalam bentuk asal lain<br><i>Production of pig iron and spiegeleisen in pigs, blocks or other primary forms</i>                                                         |
|                                       |     | 24102 | Pembuatan batang dan rod keluli tahan karat atau keluli aloi lain<br><i>Production of bars and rods of stainless steel or other alloy steel</i>                                                                                                     |
|                                       |     | 24103 | Pembuatan tiub tidak berkelim, dengan penggelekan, picitan atau tempaan panas, atau dengan tempaan atau penggelekan sejuk<br><i>Manufacture of seamless tubes, by hot rolling, hot extrusion or hot drawing, or by cold drawing or cold rolling</i> |
|                                       |     | 24109 | Pembuatan produk besi asas dan keluli lain t.t.t.l.<br><i>Manufacture of other basic iron and steel products n.e.c.</i>                                                                                                                             |
| 24                                    | 242 | 24201 | Peleburan timah<br><i>Tin smelting</i>                                                                                                                                                                                                              |
|                                       |     | 24202 | Pengeluaran aluminium daripada alumina<br><i>Production of aluminium from alumina</i>                                                                                                                                                               |
|                                       |     | 24209 | Pembuatan logam asas berharga dan logam bukan ferus lain t.t.t.l.<br><i>Manufacture of other basic precious and other non-ferrous metals n.e.c.</i>                                                                                                 |
| 25                                    | 251 | 25113 | Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam<br><i>Manufacture of metal doors, windows and their frames, shutters and gates</i>                                                                             |
|                                       |     | 25119 | Pembuatan produk struktur logam lain<br><i>Manufacture of other structural metal products</i>                                                                                                                                                       |
|                                       |     | 25120 | Pembuatan tangki, takungan dan kontena daripada logam<br><i>Manufacture of tanks, reservoirs and containers of metal</i>                                                                                                                            |
| 26                                    | 259 | 25910 | Tempaan, tekanan, hentakan dan bentuk gelek logam; serbuk metalurgi<br><i>Forging, pressing, stamping and roll-forming of metal; powder metallurgy</i>                                                                                              |
|                                       |     | 25920 | Rawatan dan penyalutan logam; menggunakan mesin<br><i>Treatment and coating of metals; machining</i>                                                                                                                                                |
|                                       |     | 25991 | Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat<br><i>Manufacture of tins and cans for food products, collapsible tubes and boxes</i>                                                                                  |
|                                       |     | 25992 | Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam<br><i>Manufacture of metal cable, plaited bands and similar articles</i>                                                                               |
|                                       |     | 25993 | Pembuatan bolt, skru, nat dan produk uliran seumpamanya<br><i>Manufacture of bolts, screws, nuts and similar threaded products</i>                                                                                                                  |
|                                       |     | 25999 | Pembuatan produk lain yang direka daripada logam t.t.t.l.<br><i>Manufacture of any other fabricated metal products n.e.c.</i>                                                                                                                       |
| 27                                    | 261 | 26101 | Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya<br><i>Manufacture of diodes, transistors and similar semiconductor devices</i>                                                                                                 |



|    |     |       |                                                                                                                                                                |
|----|-----|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |     | 26102 | Pembuatan litar elektronik bersepadu dengan pemasangan mikro<br><i>Manufacture of electronic integrated circuits micro assemblies</i>                          |
|    |     | 26103 | Pembuatan kapasitor dan perintang elektrik<br><i>Manufacture of electrical capacitors and resistors</i>                                                        |
|    |     | 26104 | Pembuatan papan litar bercetak<br><i>Manufacture of printed circuit boards</i>                                                                                 |
|    |     | 26105 | Pembuatan komponen paparan<br><i>Manufacture of display components</i>                                                                                         |
|    |     | 26109 | Pembuatan komponen lain untuk aplikasi elektronik<br><i>Manufacture of other components for electronic applications</i>                                        |
| 28 | 262 | 26201 | Pembuatan computer<br><i>Manufacture of computers</i>                                                                                                          |
|    |     | 26202 | Pembuatan kelengkapan peranti<br><i>Manufacture of peripheral equipment</i>                                                                                    |
| 29 | 263 | 26300 | Pembuatan peralatan komunikasi<br><i>Manufacture of communication equipment</i>                                                                                |
| 30 | 264 | 26400 | Pembuatan elektronik pengguna<br><i>Manufacture of consumer electronics</i>                                                                                    |
| 31 | 265 | 26511 | Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan<br><i>Manufacture of measuring, testing, navigating and control equipment</i>                |
|    |     | 26520 | Pembuatan jam tangan dan jam dan bahagiannya<br><i>Manufacture of watches and clocks and parts</i>                                                             |
| 32 | 266 | 26600 | Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik<br><i>Manufacture of irradiation, electro medical and electrotherapeutic equipment</i> |
| 33 | 267 | 26701 | Pembuatan instrumen dan kelengkapan optikal<br><i>Manufacture of optical instruments and equipment</i>                                                         |
|    |     | 26702 | Pembuatan peralatan fotografi<br><i>Manufacture of photographic equipment</i>                                                                                  |
| 34 | 271 | 27101 | Pembuatan motor elektrik, penjana dan transformer<br><i>Manufacture of electric motors, generators and transformers</i>                                        |
|    |     | 27102 | Pembuatan perkakasan pengagihan dan pengawalan elektrik<br><i>Manufacture of electricity distribution and control apparatus</i>                                |
| 35 | 273 | 27310 | Pembuatan kabel gentian optikal<br><i>Manufacture of fibre optic cables</i>                                                                                    |
|    |     | 27320 | Pembuatan wayar dan kabel elektronik dan elektrik lain<br><i>Manufacture of other electronic and electric wires and cables</i>                                 |
| 36 | 275 | 27500 | Pembuatan perkakasan domestic<br><i>Manufacture of domestic appliances</i>                                                                                     |
| 37 | 281 | 28120 | Pembuatan alat-alat kuasa bendalir<br><i>Manufacture of fluid power equipment</i>                                                                              |
|    |     | 28130 | Pembuatan pam, pemampat, kepala paip dan injap lain<br><i>Manufacture of other pumps, compressors, taps and valves</i>                                         |
|    |     | 28140 | Pembuatan penggalas, gear, elemen gear dan pemanduan<br><i>Manufacture of bearings, gears, gearing and driving elements</i>                                    |



|    |     |       |                                                                                                                                                                                                                                                  |
|----|-----|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|    |     | 28160 | Pembuatan kelengkapan mengangkat dan mengendali<br><i>Manufacture of lifting and handling equipment</i>                                                                                                                                          |
|    |     | 28180 | Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatic<br><i>Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives</i> |
|    |     | 28192 | Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor<br><i>Manufacture of air-conditioning machines, including for motor vehicles</i>                                                                                               |
| 38 | 282 | 28220 | Pembuatan jentera pembentukan logam dan alatan mesin<br><i>Manufacture of metal-forming machinery and machine tools</i>                                                                                                                          |
|    |     | 28290 | Pembuatan lain-lain mesin bertujuan khas t.t.t.l.<br><i>Manufacture of other special-purpose machinery n.e.c.</i>                                                                                                                                |
| 39 | 291 | 29101 | Pembuatan kereta penumpang<br><i>Manufacture of passenger cars</i>                                                                                                                                                                               |
| 40 | 293 | 29300 | Pembuatan alat ganti dan aksesori untuk kenderaan bermotor<br><i>Manufacture of parts and accessories for motor vehicles</i>                                                                                                                     |
| 41 | 301 | 30110 | Pembinaan kapal dan struktur terapung<br><i>Building of ships and floating structures</i>                                                                                                                                                        |
| 42 | 303 | 30300 | Pembuatan pesawat dan kapal angkasa dan jentera berkaitan<br><i>Manufacture of air and spacecraft and related machinery</i>                                                                                                                      |
| 43 | 309 | 30910 | Pembuatan motosikal<br><i>Manufacture of motorcycles</i>                                                                                                                                                                                         |
| 44 | 310 | 31001 | Pembuatan perabot kayu dan rotan<br><i>Manufacture of wooden and cane furniture</i>                                                                                                                                                              |
| 45 | 331 | 33150 | Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal<br><i>Repair and maintenance of transport equipment except motorcycles and bicycles</i>                                                                     |

