



JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA

INDEKS PENGELUARAN PERINDUSTRIAN *INDEX OF INDUSTRIAL PRODUCTION*

MALAYSIA [2015 = 100]

OGOS
AUGUST **2022**

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PEMAKLUMAN

Jabatan Perangkaan Malaysia (DOSM) sedang menjalankan Survei Pendapatan, Perbelanjaan Isi Rumah dan Kemudahan Asas (HIES/BA) 2022 bermula dari 1 Januari 2022 sehingga 31 Disember 2022. DOSM amat menghargai kerjasama daripada responden yang terpilih untuk memberikan maklumat kepada DOSM serta menjayakan survei ini. Sila layari www.dosm.gov.my untuk maklumat lanjut.

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JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

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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

Oktober 2022

PREFACE

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

October 2022

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

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

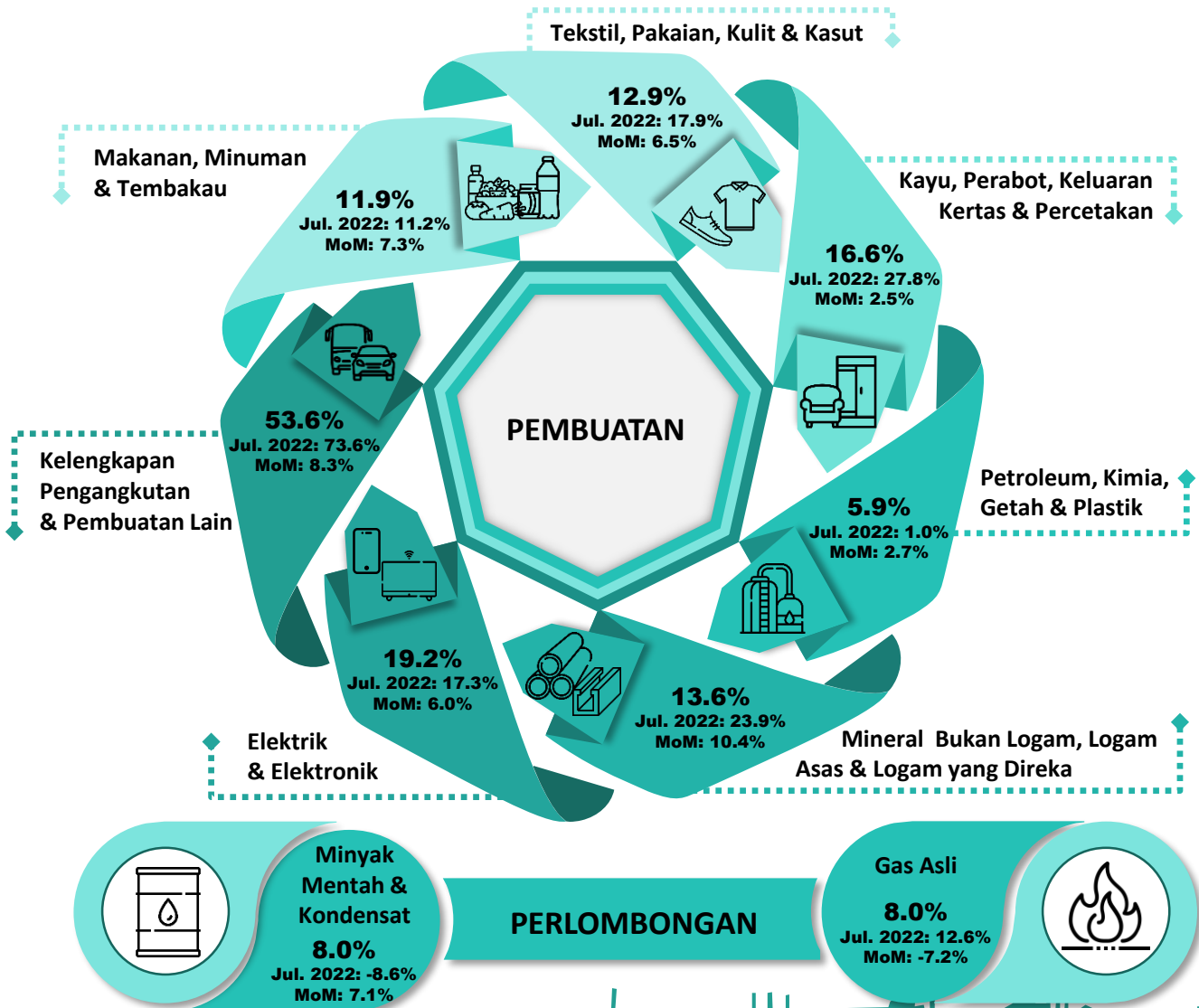
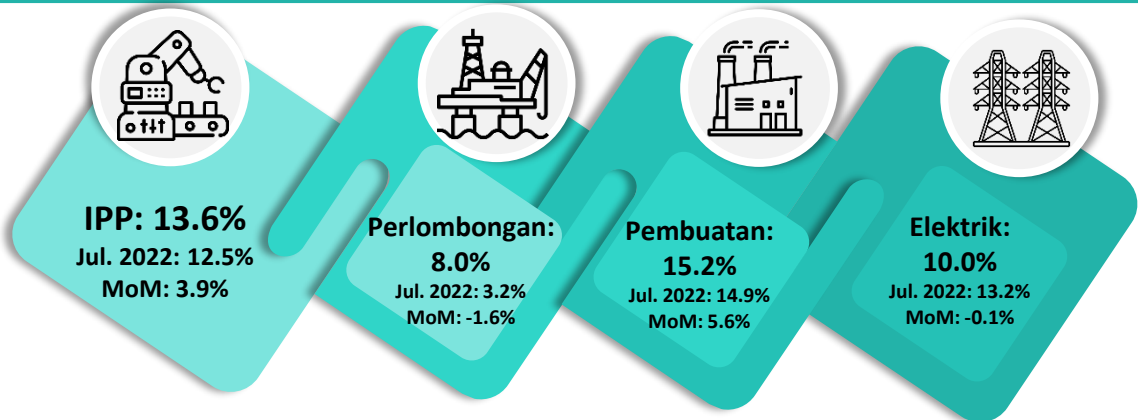
Nota/ Notes :

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

Indeks Pengeluaran Perindustrian (IPP) Malaysia melonjak 13.6 peratus pada Ogos 2022, dipacu oleh sektor Pembuatan





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#KELUARGA
MALAYSIA

Malaysia's Industrial Production Index (IPI) soared 13.6 per cent in August 2022, driven by Manufacturing sector



IPI: 13.6%
Jul. 2022: 12.5%
MoM: 3.9%



Mining: 8.0%
Jul. 2022: 3.2%
MoM: -1.6%



Manufacturing: 15.2%
Jul. 2022: 14.9%
MoM: 5.6%



Electricity: 10.0%
Jul. 2022: 13.2%
MoM: -0.1%

Textiles, Wearing Apparel, Leather & Footwear

12.9%
Jul. 2022: 17.9%
MoM: 6.5%

Food, Beverages & Tobacco

11.9%
Jul. 2022: 11.2%
MoM: 7.3%

Wood, Furniture, Paper Products & Printing

16.6%
Jul. 2022: 27.8%
MoM: 2.5%

MANUFACTURING

Transport Equipment & Other Manufactures

53.6%
Jul. 2022: 73.6%
MoM: 8.3%

Petroleum, Chemical, Rubber & Plastic

5.9%
Jul. 2022: 1.0%
MoM: 2.7%

Electrical & Electronics

19.2%
Jul. 2022: 17.3%
MoM: 6.0%

Non-metallic Mineral, Basic Metal & Fabricated Metal

13.6%
Jul. 2022: 23.9%
MoM: 10.4%

Crude Oil & Condensate

8.0%
Jul. 2022: -8.6%
MoM: 7.1%

MINING

Natural Gas

8.0%
Jul. 2022: 12.6%
MoM: -7.2%

Note:
Percentage refers to the change in
Month-on-month (MoM) and Year-on-year (YoY)

Source:
Index of Industrial Production Malaysia, August 2022
Department of Statistics Malaysia (DOSM)



Jadual Ringkas Indeks Pengeluaran Perindustrian

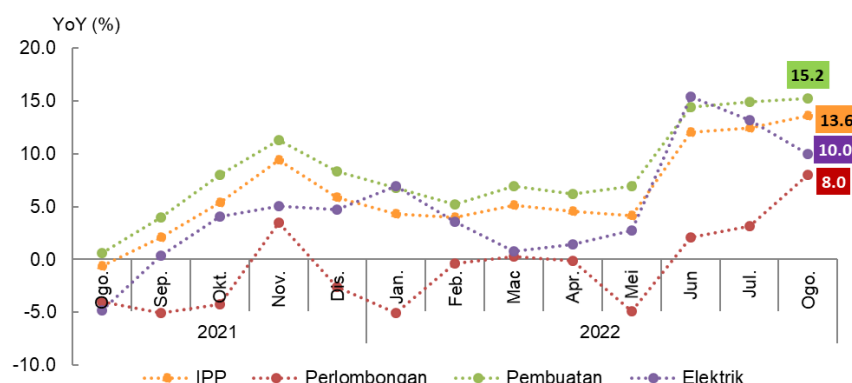
SEKTOR	INDEKS ASAL	PERTUMBUHAN ^[1] YoY (%)	INDEKS PM ^[2]	PERTUMBUHAN ^[3] MoM (%)
IPP	129.4	13.6	129.0	1.7
	89.4	8.0	94.7	0.2
	144.5	15.2	142.2	4.3
	126.4	10.0	123.2	0.2

1.0. Prestasi Ogos 2022

Indeks Pengeluaran Perindustrian (IPP) meningkat **13.6 peratus** pada bulan Ogos 2022 berbanding bulan yang sama pada tahun sebelumnya. Pengembangan IPP ini disumbangkan oleh sektor Pembuatan, Elektrik dan Perlombongan dengan masing-masing mencatatkan peningkatan **15.2 peratus**, **10.0 peratus** dan **8.0 peratus**. Data siri pertumbuhan tahun ke tahun bagi IPP dan indeks komponennya adalah seperti di Carta 1.

“IPP tumbuh **13.6%** pada Ogos 2022”

Carta 1: Indeks Pengeluaran Perindustrian - Pertumbuhan Tahun ke Tahun



Bagi terma pelarasan musim, IPP pada bulan Ogos 2022 merekodkan pertumbuhan **1.7 peratus**. Prestasi tersebut disokong oleh peningkatan dalam kesemua pecahan indeks; indeks Pembuatan (**4.3%**), indeks Perlombongan (**0.2%**) dan indeks Elektrik (**0.2%**).

Nota :

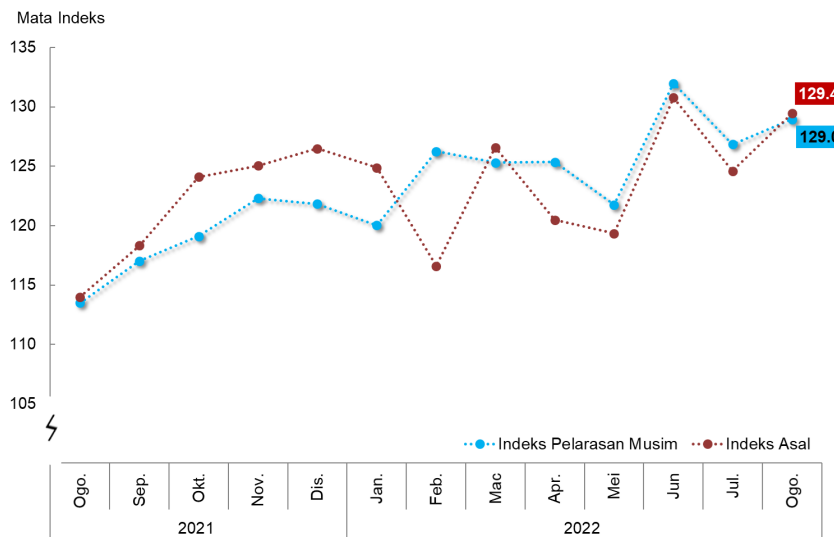
[1] Pertumbuhan Indeks Asal

[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 Ogos 2022 merupakan data sementara. Data ini akan dikemaskini berdasarkan data terkini yang diperoleh dan akan diterbitkan dalam penerbitan bulan September 2022.

Carta 2: IPP - Indeks Asal dan Indeks Pelarasan Bermusim

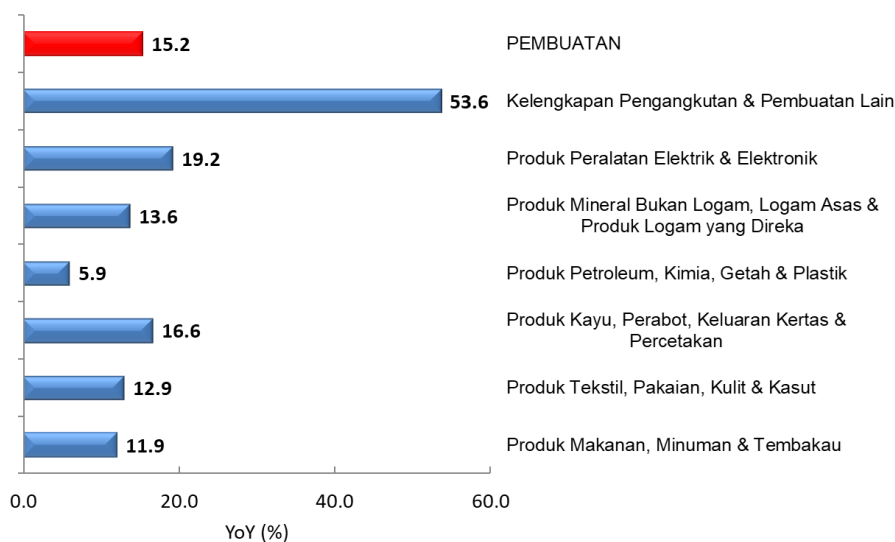


1.1. Prestasi Sektor Pembuatan

Berdasarkan pertumbuhan tahun ke tahun, output sektor Pembuatan meningkat **15.2 peratus** pada bulan Ogos 2022 selepas mencatatkan pertumbuhan 14.9 peratus pada bulan Julai 2022. Subsektor utama yang menyumbang kepada pertumbuhan sektor Pembuatan pada Ogos 2022 adalah Produk Peralatan Elektrik & Elektronik (**19.2%**), Produk Kelengkapan Pengangkutan & Pembuatan Lain (**53.6%**) dan Produk Mineral Bukan Logam, Logam Asas & Produk Logam yang Direka (**13.6%**). Butiran terperinci seperti dipaparkan di Carta 3.

“Sektor Pembuatan tumbuh **15.2%** pada bulan Ogos 2022”

Carta 3: Indeks Pembuatan dan Prestasi 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 meningkat **8.0 peratus** pada bulan Ogos 2022 berbanding tempoh yang sama pada tahun sebelumnya. Peningkatan tersebut disumbangkan oleh pengembangan **8.0 peratus** masing-masing dalam indeks Gas Asli dan indeks Minyak Mentah & Kondensat.

“Sektor Perlombongan dan Elektrik masing-masing meningkat **8.0%** dan **10.0%**”

1.3. Prestasi Sektor Elektrik

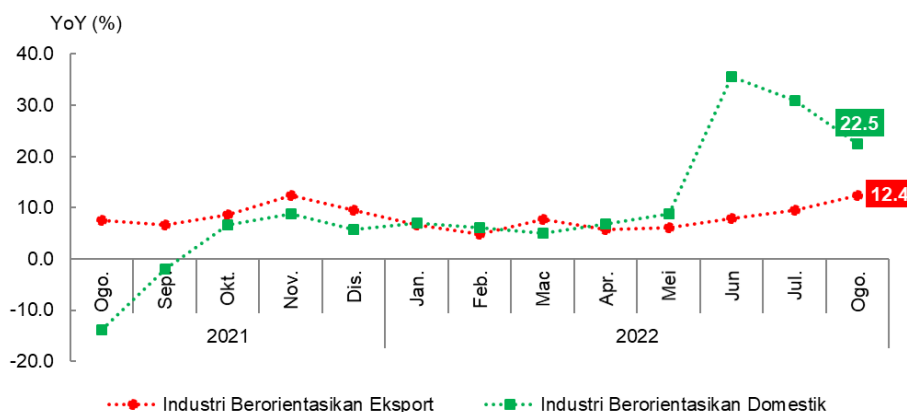
Output sektor Elektrik berkembang **10.0 peratus** pada bulan Ogos 2022 berbanding bulan yang sama pada tahun sebelumnya.

1.4. Prestasi Industri Berorientasikan Domestik dan Eksport Sektor Pembuatan

Industri berorientasikan domestik memacu kepada pertumbuhan sektor Pembuatan sebanyak **22.5 peratus** manakala industri berorientasikan eksport tumbuh **12.4 peratus** (Carta 4). Peningkatan bagi industri berorientasikan domestik disumbangkan terutamanya oleh pembuatan produk tembakau (**2,813.6%**), pembuatan kenderaan bermotor, treler & semi treler (**107.1%**) dan pembuatan produk galian bukan logam lain (**16.7%**). Pada masa yang sama, pertumbuhan industri berasaskan eksport dipacu oleh pembuatan komputer, produk elektronik & optikal (**21.5%**), pembuatan kok & produk petroleum bertapis (**14.1%**) dan pembuatan perabot (**40.9%**).

“Industri berasaskan domestik dan eksport masing-masing tumbuh **22.5%** dan **12.4%**”

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



Jadual Ringkas Indeks Pengeluaran Perindustrian Januari-Ogos 2022

SEKTOR	INDEKS JAN. - Ogo. 2022	YoY (%)	
		JAN. - Ogo. 2021	JAN. - Ogo. 2022
IPP	124.1	8.1	7.5
	92.8	2.5	0.2
	135.7	10.4	9.6
	123.2	1.7	6.5

“IPP meningkat **7.5%** bagi tempoh Januari hingga Ogos 2022”

2.1. Prestasi Indeks Pengeluaran Perindustrian Januari - Ogos 2022

IPP bagi tempoh Januari hingga Ogos 2022 merekodkan pengembangan **7.5 peratus** berbanding dengan tempoh yang sama tahun sebelumnya. Peningkatan tersebut disokong oleh indeks Pembuatan (**9.6%**), indeks Elektrik (**6.5%**) dan indeks Perlombongan (**0.2%**).



Summary Table of Industrial Production Index

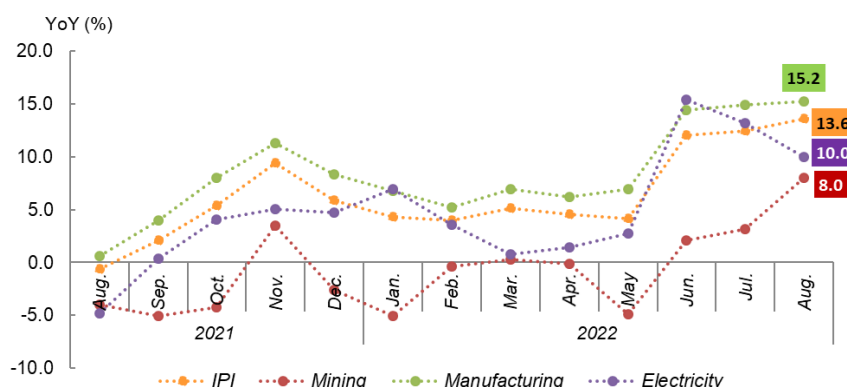
SECTOR	ORIGINAL INDEX	GROWTH ^[1] YoY (%)	INDEX SA ^[2]	GROWTH ^[3] MoM (%)
IPI	129.4	13.6	129.0	1.7
	89.4	8.0	94.7	0.2
	144.5	15.2	142.2	4.3
	126.4	10.0	123.2	0.2

1.0. Performance in August 2022

The Industrial Production Index (IPI) increased **13.6 per cent** in August 2022 as compared to the same month of the previous year. The expansion of IPI was contributed by the Manufacturing, Electricity and Mining sectors, with the increment of **15.2 per cent**, **10.0 per cent** and **8.0 per cent** respectively. The data series of year-on-year growth for IPI and its component indices are shown in Chart 1.

“IPI increased **13.6%** in August 2022”

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



In a seasonally adjusted terms, IPI in August 2022 recorded a growth of **1.7 per cent**. The performance was supported by the increase in all segment of indices; Manufacturing index (**4.3%**), Mining index (**0.2%**) and Electricity index (**0.2%**).

Note :

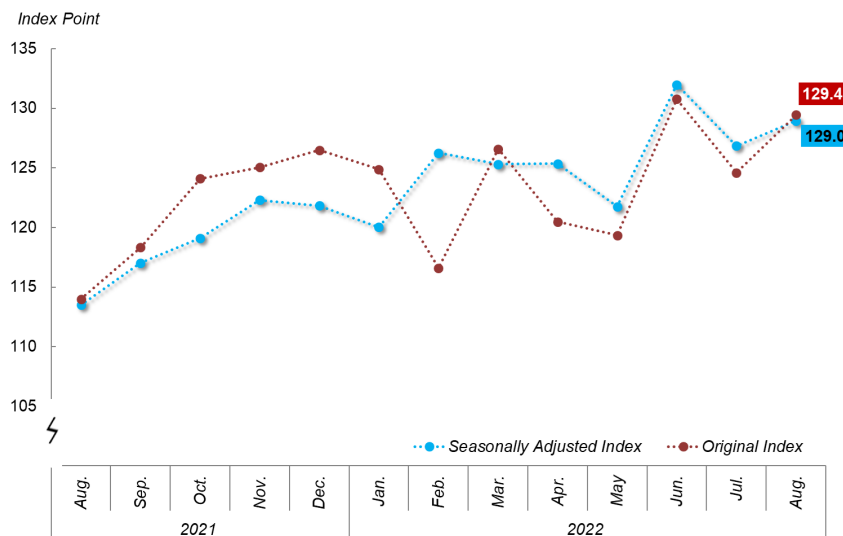
[1] Original Index Growth

[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 August 2022 is provisional. The data will be updated based on the latest available figures and subsequently published in September 2022 publication.

Chart 2: IPI - Original and Seasonally Adjusted Index

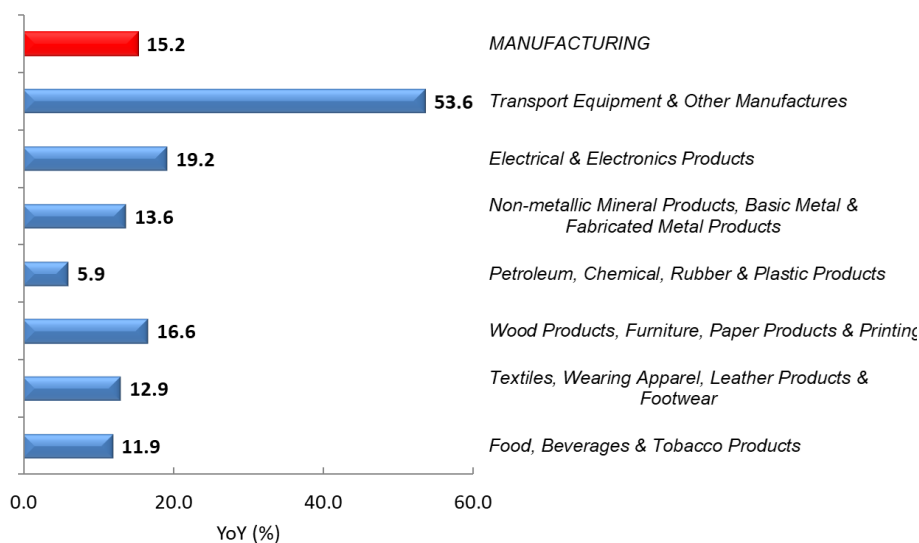


1.1. Performance of Manufacturing Sector

On year-on-year basis, the Manufacturing sector output increased by **15.2 per cent** in August 2022 after recording a growth of 14.9 per cent in July 2022. The main subsectors contributed to the growth in Manufacturing sector in August 2022 were Electrical & Electronics Products (**19.2%**), Transport Equipment & Other Manufactures Products (**53.6%**) and Non-metallic Mineral Products, Basic Metal & Fabricated Metal Products (**13.6%**). Detailed information as depicted in Chart 3.

“Manufacturing sector grew by **15.2%** in August 2022”

Chart 3: Manufacturing Index and Performance by Subsectors - 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 rose **8.0 per cent** in August 2022 as compared to the same period of the previous year. The growth was spearheaded by the increment of **8.0 per cent** in Natural Gas index and Crude Oil & Condensate index respectively.

“Mining and Electricity sector rose **8.0%** and **10.0%** respectively ”

1.3. Performance of Electricity Sector

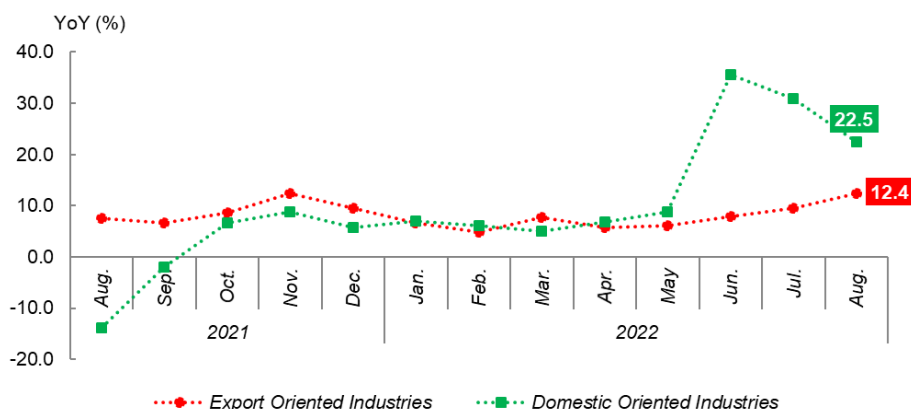
The Electricity sector output rose **10.0 per cent** in August 2022 as compared to the same month of the previous year.

1.4. Performance of Domestic and Export Oriented Industries in Manufacturing Sector

The domestic-oriented industries driven the growth of the Manufacturing sector by **22.5 per cent** while export-oriented industries grew by **12.4 per cent** (Chart 4). The increase in domestic-oriented industries was mainly supported by the manufacture of tobacco products (**2,813.6%**), manufacture of motor vehicles, trailers & semi-trailers (**107.1%**) and manufacture of other non-metallic mineral products (**16.7%**). Simultaneously, the growth in the export-based industry was contributed by the manufacture of computer, electronics & optical products (**21.5%**), manufacture of coke & refined petroleum products (**14.1%**) and manufacture of furniture (**40.9%**).

“Domestic and export-oriented industry grew **22.5%** and **12.4%** respectively ”

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



Summary Table of Industrial Production Index for January-August 2022

SECTOR	INDEX JAN. - AUG. 2022	YoY (%)	
		JAN. - AUG. 2021	JAN. - AUG. 2022
IPI	124.1	8.1	7.5
	92.8	2.5	0.2
	135.7	10.4	9.6
	123.2	1.7	6.5

“IPI increased **7.5%** for the period of January to August 2022 ”

2.1. Performance of Industrial Production Index January - August 2022

The IPI in the period of January to August 2022 recorded an expansion of **7.5 per cent** as compared to the same period of the previous year. This increment was supported by the Manufacturing index (**9.6%**), Electricity index (**6.5%**) and Mining index (**0.2%**).

JADUAL
TABLE

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

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

Tahun <i>Year</i>	Tempoh <i>Period</i>	IPP <i>IPI</i>	Perlombongan <i>Mining</i>	Pembuatan <i>Manufacturing</i>	Elektrik <i>Electricity</i>
Sektor/ <i>Sectors</i>		Jumlah/ <i>Total</i>	B	C	D
Wajaran/ <i>Weight 2015</i>		100.00	25.14	68.25	6.61
2020		110.1	90.5	116.9	114.8
2021		118.1	91.3	128.1	117.5
2021	Q1	117.4	96.4	125.3	115.9
	Q2	115.5	93.8	123.4	117.0
	Q3	114.4	83.8	125.6	114.5
	Q4	125.2	91.3	137.9	122.6
2022	Q1	122.7	94.7	133.2	120.2
	Q2	123.5	92.8	134.8	124.2
2021	(Jan.-Aug.)	115.5	92.7	123.8	115.7
2022	(Jan.-Aug.)	124.1	92.8	135.7	123.2
2021	Jan.	119.7	100.0	127.5	114.5
	Feb.	112.2	91.7	120.1	107.9
	Mar.	120.4	97.6	128.3	125.4
	Apr.	115.2	92.8	122.8	121.8
	May	114.6	96.9	120.4	122.1
	Jun.	116.7	91.6	126.9	107.0
	Jul.	110.8	88.0	119.1	111.8
	Aug.	114.0	82.7	125.4	114.9
	Sep.	118.3	80.7	132.3	116.8
	Oct.	124.1	86.9	137.6	125.8
	Nov.	125.1	92.1	137.7	119.4
	Dec.	126.5	95.0	138.5	122.6
2022	Jan.	124.9	95.0	136.1	122.4
	Feb.	116.6	91.3	126.4	111.8
	Mar.	126.6	97.9	137.2	126.4
	Apr.	120.5	92.7	130.4	123.6
	May	119.3	92.1	128.8	125.4
	Jun.	130.8	93.6	145.2	123.4
	Jul.	124.6	90.8	136.9	126.5
	Aug.	129.4	89.4	144.5	126.4

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 Year	Tempoh Period	% Perubahan tahun ke tahun <i>change year- on-year</i>	% Perubahan bulan ke bulan <i>change month- on-month</i>	% Perubahan tahun ke tahun <i>change year- on-year</i>	% Perubahan bulan ke bulan <i>change month- on-month</i>	% Perubahan tahun ke tahun <i>change year- on-year</i>	% Perubahan bulan ke bulan <i>change month- on-month</i>	% Perubahan tahun ke tahun <i>change year- on-year</i>	% Perubahan bulan ke bulan <i>change month- on-month</i>
Sektor/ Sectors		Jumlah/ Total		B		C		D	
Wajaran/ Weight 2015		100.00		25.14		68.25		6.61	
2020		-4.1		-8.9		-2.7		-3.7	
2021		7.2		0.9		9.5		2.4	
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	
2022	Q1	4.5		-1.8		6.3		3.7	
	Q2	6.9		-1.1		9.3		6.2	
2021	(Jan.-Aug.)	8.1		2.5		10.4		1.7	
2022	(Jan.-Aug.)	7.5		0.2		9.6		6.5	
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	-1.3	-5.1	-0.02	6.8	-1.7	6.9	-0.2
	Feb.	4.0	-6.6	-0.4	-3.8	5.2	-7.2	3.6	-8.7
	Mar.	5.1	8.6	0.3	7.2	6.9	8.5	0.8	13.0
	Apr.	4.6	-4.8	-0.1	-5.3	6.2	-4.9	1.5	-2.2
	May	4.1	-1.0	-4.9	-0.6	6.9	-1.3	2.8	1.5
	Jun.	12.1	9.6	2.1	1.6	14.4	12.8	15.4	-1.6
	Jul.	12.5	-4.7	3.2	-3.0	14.9	-5.7	13.2	2.5
	Aug.	13.6	3.9	8.0	-1.6	15.2	5.6	10.0	-0.1

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 <i>Year</i>	Tempoh <i>Period</i>	IPP/ IPI			Perlombongan/ Mining		
		Indeks Asal	Indeks Pelarasan Musim (PM)	% Perubahan bulan ke bulan (PM)	Indeks Asal	Indeks Pelarasan Musim (PM)	% Perubahan bulan ke bulan (PM)
		<i>Original Index</i>	<i>Seasonally Adjusted Index (SA)</i>	<i>% Change month- on-month (SA)</i>	<i>Original Index</i>	<i>Seasonally Adjusted Index (SA)</i>	<i>% Change month- on-month (SA)</i>
Sektor/ Sectors		Jumlah/ Total			B		
Wajaran/Weight 2015		100.00			25.14		
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	120.0	-1.5	95.0	87.7	-0.5
	Feb.	116.6	126.2	5.2	91.3	95.2	8.6
	Mar.	126.6	125.3	-0.7	97.9	93.2	-2.1
	Apr.	120.5	125.4	0.03	92.7	95.0	1.9
	May	119.3	121.8	-2.9	92.1	90.8	-4.4
	Jun.	130.8	132.0	8.4	93.6	97.2	7.1
	Jul.	124.6	126.9	-3.9	90.8	94.6	-2.7
	Aug.	129.4	129.0	1.7	89.4	94.7	0.2

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 Year	Tempoh Period	Pembuatan/ <i>Manufacturing</i>			Elektrik/ <i>Electricity</i>		
		Indeks Asal	Indeks Pelarasan Musim (PM)	% Perubahan bulan ke bulan (PM)	Indeks Asal	Indeks Pelarasan Musim (PM)	% Perubahan bulan ke bulan (PM)
		<i>Original Index</i>	<i>Seasonally Adjusted Index (SA)</i>	<i>% Change month- on-month (SA)</i>	<i>Original Index</i>	<i>Seasonally Adjusted Index (SA)</i>	<i>% Change month- on-month (SA)</i>
Sektor/ <i>Sectors</i>		C			D		
Wajaran/ <i>Weight 2015</i>		68.25			6.61		
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	122.4	120.7	-0.79
	Feb.	126.4	137.6	4.0	111.8	123.8	2.5
	Mar.	137.2	137.7	0.1	126.4	123.4	-0.3
	Apr.	130.4	137.3	-0.3	123.6	122.1	-1.1
	May	128.8	133.9	-2.5	125.4	122.7	0.5
	Jun.	145.2	145.6	8.8	123.4	128.4	4.6
	Jul.	136.9	136.3	-6.4	126.5	122.9	-4.2
	Aug.	144.5	142.2	4.3	126.4	123.2	0.2

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

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

		Pengekstrakan Petroleum Mentah dan Gas Asli		Pengekstrakan Minyak Petroleum Mentah & Kondensat		Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli)	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh Period	Pengekstrakan Petroleum Mentah dan Gas Asli		Pengekstrakan Minyak Petroleum Mentah & Kondensat		Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli)	
		<i>Extraction of Crude Petroleum and Natural Gas</i>		<i>Extraction of crude Petroleum Oils & Condensates</i>		<i>Production of Crude Gaseous Hydrocarbon (Natural Gas)</i>	
		Kod/ Codes	06	06101		06201	
		Wajaran/Weight 2015	25.14	12.22		12.92	
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
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
2022	Q1	94.7	-1.8	78.3	-8.5	110.3	3.3
	Q2	92.8	-1.1	78.4	-3.3	106.3	0.6
2021	(Jan.-Aug.)	92.7	2.5	81.6	-5.5	103.1	9.4
2022	(Jan.-Aug.)	92.8	0.2	77.7	-4.7	107.1	3.9
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
	Feb.	91.3	-0.4	77.1	-4.3	104.8	2.6
	Mar.	97.9	0.3	80.9	-6.8	114.0	5.7
	Apr.	92.7	-0.1	78.3	-0.8	106.3	0.3
	May.	92.1	-4.9	77.7	-6.7	105.7	-3.6
	Jun.	93.6	2.1	79.3	-2.4	107.0	5.5
	Jul.	90.8	3.2	73.3	-8.6	107.3	12.6
	Aug.	89.4	8.0	78.5	8.0	99.6	8.0

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

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

		Pembuatan minyak sawit mentah		Pembuatan minyak sawit bertapis		Pembuatan minyak isirong	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh Period	Pembuatan minyak sawit mentah		Pembuatan minyak sawit bertapis		Pembuatan minyak isirong	
		<i>Manufacture of crude palm oil</i>		<i>Manufacture of refined palm oil</i>		<i>Manufacture of palm kernel oil</i>	
Kod/ Codes		10401		10402		10403	
Wajaran/Weight 2015		1.94		1.37		0.17	
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
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
2022	Q1	76.2	3.9	83.8	-8.6	77.4	5.8
	Q2	89.5	-5.1	86.3	-18.3	88.3	-5.8
2021	(Jan.-Aug.)	87.1	-8.8	99.6	-24.7	86.5	-10.3
2022	(Jan.-Aug.)	86.9	-0.2	88.7	-10.9	86.6	0.1
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
	Feb	68.4	2.6	78.0	12.2	66.8	2.7
	Mar	84.8	-0.9	86.4	-14.3	84.7	-2.2
	Apr	87.9	-4.3	81.9	-17.9	88.6	-5.5
	May	87.8	-7.0	80.3	-7.9	83.5	-5.8
	Jun	92.9	-3.8	96.7	-25.5	92.6	-6.0
	Jul	94.6	3.3	96.4	-12.5	95.2	5.1
	Aug	103.7	0.9	103.1	9.1	100.9	-0.2

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

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

Tahun Year	Tempoh Period	Pembuatan minyak sayuran mentah dan bertapis		Pembuatan sebatian lemak masakan		Pembuatan aiskrim dan ais lain yang boleh dimakan seperti sorbet	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		<i>Manufacture of crude and refined vegetable oil</i>		<i>Manufacture of compound cooking fats</i>		<i>Manufacture of ice cream and other edible ice such as sorbet</i>	
		Kod/ Codes	10404	10406		10501	
		Wajaran/Weight 2015	0.04	0.18		0.03	
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
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
2022	Q1	120.7	7.8	141.2	26.1	151.7	9.0
	Q2	110.9	-3.6	129.9	11.2	124.7	9.2
2021	(Jan.-Aug.)	115.6	9.5	118.1	5.4	127.5	13.6
2022	(Jan.-Aug.)	111.7	-3.4	139.5	18.1	139.4	9.4
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
	Feb	110.0	2.1	122.1	21.6	131.4	9.4
	Mar	111.7	3.3	127.3	20.4	144.6	18.8
	Apr	119.3	0.9	120.7	26.7	127.1	11.8
	May	99.0	-10.0	131.2	2.8	109.5	6.2
	Jun	114.3	-2.1	137.9	7.9	137.6	9.3
	Jul	94.4	-14.2	157.6	21.6	143.4	17.4
	Aug	104.4	-22.2	145.3	12.5	142.2	3.6

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/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh Period	Pembuatan susu pekat, tepung dan sejat		Pengilangan beras		Pengilangan tepung	
		<i>Manufacture of condensed, powdered and evaporated milk</i>		<i>Rice milling</i>		<i>Flour milling</i>	
Kod/ Codes		10502		10611		10613	
Wajaran/Weight 2015		0.43		0.09		0.13	
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
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
2022	Q1	134.2	4.3	147.0	15.7	134.5	-2.3
	Q2	164.9	9.1	142.4	0.8	149.1	13.3
2021	(Jan.-Aug.)	142.9	6.2	128.9	1.0	134.8	20.1
2022	(Jan.-Aug.)	154.5	8.1	143.4	11.2	148.9	10.4
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
	Feb	110.2	-3.2	152.3	26.3	126.9	-2.6
	Mar	142.2	11.9	150.8	6.6	140.1	-5.0
	Apr	174.3	9.8	156.0	-0.7	149.5	-5.0
	May	168.9	16.0	122.2	-3.7	149.3	27.9
	Jun	151.5	1.6	149.1	6.5	148.6	22.9
	Jul	153.4	9.6	130.6	33.0	145.8	19.8
	Aug	185.5	13.4	148.0	15.4	194.4	30.5

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

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

		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year		
Tahun Year	Tempoh Period	Pembuatan biskut dan cookies		Pembuatan roti, kek dan produk bakeri lain		Pembuatan produk snek				
		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				
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			
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			
2022	Q1	113.1	6.5	158.4	-0.6	94.5	-9.0			
	Q2	104.5	-6.2	189.5	2.0	93.5	-9.4			
2021	(Jan.-Aug.)	106.4	-0.1	177.3	17.1	100.2	-18.0			
2022	(Jan.-Aug.)	107.1	0.6	184.3	4.0	93.9	-6.2			
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			
	Feb	111.6	-1.1	154.9	-4.3	94.2	-15.8			
	Mar	110.7	13.3	161.1	-8.6	92.9	-3.1			
	Apr	112.1	-7.8	181.1	-1.5	97.6	-12.7			
	May	100.0	-6.5	184.9	1.2	87.6	-13.9			
	Jun	101.5	-3.9	202.5	6.2	95.3	-0.7			
	Jul	95.8	2.4	218.5	13.1	95.6	9.7			
	Aug	108.1	3.1	212.2	12.0	91.9	-1.4			

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- 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			
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		
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		
2022	Q1	122.3	2.3	141.7	13.5	147.7	12.4		
	Q2	198.9	15.1	144.4	10.3	157.1	13.5		
2021	(Jan.-Aug.)	151.0	17.8	126.2	-1.1	134.2	6.3		
2022	(Jan.-Aug.)	171.1	13.3	144.5	14.5	154.6	15.2		
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		
	Feb	110.5	2.9	142.9	7.2	138.8	3.3		
	Mar	138.8	-4.8	138.5	12.7	141.1	16.6		
	Apr	166.2	-1.2	135.9	4.2	169.1	8.7		
	May	218.5	19.9	148.8	11.1	145.7	20.1		
	Jun	212.1	26.5	148.4	15.7	156.3	13.2		
	Jul	221.6	31.7	151.0	32.1	157.1	13.5		
	Aug	183.3	12.5	146.4	14.3	165.4	31.2		

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

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

Tahun Year	Tempoh Period	Indeks/ Index		Indeks/ Index		Indeks/ Index		
		% Perubahan tahun ke tahun/ change year-on- year		% Perubahan tahun ke tahun/ change year-on- year		% Perubahan tahun ke tahun/ change year-on- year		
		Pembuatan konfeksi gula		Pembuatan bihun, mi dan produk lain yang berkaitan		Pembuatan makanan dan hidangan tersedia		
		<i>Manufacture of sugar confectionery</i>		<i>Manufacture of meehoon, noodles and other related product</i>		<i>Manufacture of prepared meals and dishes</i>		
Kod/ Codes		10733		10741		10750		
Wajaran/Weight 2015		0.05		0.09		0.17		
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	
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	
2022	Q1	145.9	10.0	120.9	-8.4	177.3	19.4	
	Q2	130.4	-3.5	108.4	-11.2	127.9	14.0	
2021	(Jan.-Aug.)	130.3	-0.4	125.3	-4.2	142.0	14.5	
2022	(Jan.-Aug.)	138.4	6.2	114.7	-8.4	152.3	7.2	
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	
	Feb	144.8	12.4	118.1	-12.2	175.5	13.6	
	Mar	142.1	11.8	112.2	-5.6	163.5	27.5	
	Apr	132.4	-12.3	121.2	-6.1	136.9	30.0	
	May	119.7	1.1	95.8	-13.3	122.0	11.8	
	Jun	139.1	2.5	108.3	-14.4	125.0	2.1	
	Jul	132.7	16.7	111.0	-9.1	143.9	-23.6	
	Aug	145.2	15.7	118.7	0.6	158.4	-4.2	

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

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

		Pembuatan kopi		Pembuatan sos dan bahan perasa		Pembuatan rempah ratus dan serbuk kari	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh 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	
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
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
2022	Q1	134.6	25.6	127.8	1.7	184.5	14.0
	Q2	130.2	24.2	102.6	-12.7	201.4	21.5
2021	(Jan.-Aug.)	114.7	-11.6	119.2	2.4	165.4	25.4
2022	(Jan.-Aug.)	128.4	12.0	112.5	-5.6	194.8	17.8
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
	Feb	124.0	15.9	118.3	1.0	180.9	10.9
	Mar	145.8	36.4	126.2	-4.1	187.7	15.9
	Apr	146.1	36.0	120.6	12.7	209.3	24.7
	May	129.9	14.6	83.8	-32.7	195.8	26.4
	Jun	114.7	22.3	103.3	-14.7	199.2	14.0
	Jul	116.1	-18.5	93.4	-10.7	194.5	14.0
	Aug	116.7	-15.8	115.3	-3.1	206.0	21.3

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

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

		Pembuatan produk makanan lain t.t.t.l.		Pembuatan minuman keras malt dan malt		Pembuatan minuman ringan	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
Tahun Year	Tempoh Period	Manufacture of other food products n.e.c.		Manufacture of malt liquors and malt		Manufacture of soft drinks	
Kod/ Codes		10799		11030		11041	
Wajaran/Weight 2015		0.15		0.18		0.38	
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
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
2022	Q1	118.0	-2.5	134.1	8.6	123.3	10.1
	Q2	118.2	8.6	139.8	54.0	142.2	11.9
2021	(Jan.-Aug.)	112.2	-9.6	89.6	5.8	124.8	12.5
2022	(Jan.-Aug.)	118.9	6.0	133.7	49.2	136.7	9.5
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
	Feb	115.1	-9.1	124.3	9.2	119.0	9.6
	Mar	118.1	5.8	131.3	-1.6	124.2	13.0
	Apr	115.7	7.3	152.3	1.0	158.6	15.2
	May	116.4	6.6	129.4	6.7	133.7	9.1
	Jun	122.4	11.9	137.8	40692.3	134.4	11.0
	Jul	116.0	13.5	133.3	28776.5	141.3	6.2
	Aug	126.9	19.9	114.3	55.4	155.9	5.3

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

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

		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year				
Tahun Year	Tempoh Period	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan		Pembuatan produk tembakau		Penyediaan dan pemintalan gentian tekstil					
		<i>Production of natural mineral waters and other bottled waters</i>		<i>Manufacture of tobacco products</i>		<i>Preparation and spinning of textile fibres</i>					
Kod/ Codes		11042		12000		13110					
Wajaran/Weight 2015		0.06		0.52		0.07					
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				
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				
2022	Q1	135.0	0.9	127.6	4.1	116.6	15.7				
	Q2	138.5	16.4	104.2	49.8	115.0	5.7				
2021	(Jan.-Aug.)	122.0	10.0	72.6	-15.4	106.7	19.4				
2022	(Jan.-Aug.)	155.6	27.5	104.1	43.3	115.7	8.4				
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				
	Feb	144.3	7.6	137.1	9.2	114.3	21.6				
	Mar	139.4	9.4	122.2	1.7	124.9	1.2				
	Apr	135.0	12.7	118.6	11.8	103.9	-1.9				
	May	138.4	27.3	104.0	4.6	123.5	19.1				
	Jun	142.1	10.7	90.0	2765.0	117.7	0.6				
	Jul	123.5	28.0	67.8	2699.2	102.4	-5.1				
	Aug	300.7	148.0	69.5	2813.6	128.3	9.8				

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

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

		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year					
		Tahun Year		Tempoh Period		Penenunan tekstil		Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik		Pembuatan pakaian							
						Weaving of textiles		Dyeing, bleaching, printing and finishing of yarns and fabrics		Manufacture of clothings							
Kod/ Codes		13120		13132		14102											
Wajaran/Weight 2015		0.22		0.11		0.46											
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										
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										
2022	Q1	151.7	12.4	86.9	-18.9	137.2	-0.4										
	Q2	117.2	6.2	90.6	-8.4	96.6	3.7										
2021	(Jan.-Aug.)	117.3	25.5	97.6	12.9	110.7	5.9										
2022	(Jan.-Aug.)	132.0	12.5	87.6	-10.2	113.6	2.6										
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										
	Feb	149.3	4.3	86.0	-9.4	131.6	-2.6										
	Mar	152.4	18.5	102.6	-22.5	143.0	2.3										
	Apr	109.6	9.4	91.3	-16.2	106.0	1.8										
	May	110.9	-0.1	85.9	-6.0	91.3	2.7										
	Jun	131.1	9.4	94.5	-1.8	92.5	7.1										
	Jul	127.1	34.3	84.6	-4.0	98.4	11.2										
	Aug	121.9	12.7	83.9	12.4	108.9	4.2										

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

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

Tahun Year	Tempoh Period	Pembuatan bagasi, beg tangan dan seumpamanya, pelana dan abah- abah		Pembuatan kasut kulit		Pembuatan kasut getah	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		<i>Manufacture of luggage, handbags 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
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
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
2022	Q1	212.4	9.8	88.6	-13.2	109.2	7.0
	Q2	227.8	29.1	91.1	-2.9	104.4	18.9
2021	(Jan.-Aug.)	157.4	40.6	92.0	7.4	87.4	2.2
2022	(Jan.-Aug.)	215.0	36.6	90.4	-1.7	105.0	20.2
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
	Feb	199.6	10.8	86.6	-14.0	106.0	12.6
	Mar	227.1	10.9	89.7	-16.8	113.7	0.3
	Apr	220.2	2.0	89.4	-13.4	107.4	6.5
	May	247.0	16.2	91.1	-9.4	104.1	6.6
	Jun	216.2	114.3	92.9	19.2	101.7	56.6
	Jul	183.7	168.4	91.9	26.5	103.6	73.6
	Aug	215.9	165.4	92.1	21.9	95.8	36.6

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

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

Tahun Year	Tempoh Period	Pengilangan dan pengetaman kayu		Pembuatan kepingan venier dan papan lapis		Pembuatan papan partikel dan papan gentian	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ 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	16212		
		Wajaran/Weight 2015	0.35	0.57	0.25		
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
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
2022	Q1	138.8	9.0	106.2	-0.9	153.3	33.3
	Q2	114.5	25.7	124.5	3.7	91.3	13.0
2021	(Jan.-Aug.)	112.2	8.4	97.3	26.1	102.2	-1.1
2022	(Jan.-Aug.)	130.0	15.9	108.6	11.6	119.9	17.3
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
	Feb	142.9	5.5	100.0	1.4	140.7	27.4
	Mar	139.7	10.7	117.5	-3.3	138.6	38.8
	Apr	106.7	15.2	122.2	-9.8	100.9	47.5
	May	114.6	33.1	128.2	-1.1	87.7	5.2
	Jun	122.2	29.3	123.2	29.5	85.3	-6.0
	Jul	117.9	43.2	106.3	117.7	104.2	-7.4
	Aug	162.5	1.5	70.3	46.7	121.3	3.2

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

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

		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year			
Tahun Year	Tempoh Period	Pertukangan kayu untuk jurubina		Pembuatan bekas kayu		Pembuatan pulpa, kertas dan kertas tebal				
		<i>Manufacture of builders' carpentry</i>		<i>Manufacture of wooden containers</i>		<i>Manufacture of pulp, paper and paperboard</i>				
Kod/ Codes		16221		16230		17010				
Wajaran/Weight 2015		0.14		0.06		0.24				
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			
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			
2022	Q1	88.8	-5.2	347.6	19.4	118.8	0.9			
	Q2	74.0	12.2	327.7	20.2	116.8	-5.7			
2021	(Jan.-Aug.)	77.1	-12.5	269.3	15.0	121.1	20.5			
2022	(Jan.-Aug.)	78.4	1.6	333.9	24.0	114.6	-5.3			
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			
	Feb	91.7	-15.9	366.5	13.5	115.0	-1.1			
	Mar	86.3	18.0	325.0	19.3	119.8	-3.6			
	Apr	75.8	21.0	337.1	29.9	121.5	-4.8			
	May	70.4	9.0	320.2	27.3	112.5	-7.8			
	Jun	75.8	7.4	325.7	6.1	116.4	-4.7			
	Jul	67.7	-0.9	315.6	50.1	102.7	-18.3			
	Aug	70.8	1.7	330.1	30.8	107.6	-8.8			

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

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

Tahun Year	Tempoh Period	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal		Pembuatan sampul surat dan kad surat		Pembuatan kertas kegunaan rumah dan pembersih peribadi	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		<i>Manufacture of corrugated paper and paperboard and of containers of paper and paperboard</i>		<i>Manufacture of envelopes and letter-card</i>		<i>Manufacture of household and personal hygiene paper</i>	
		Kod/ Codes	17020	17091	17092		
		Wajaran/Weight 2015	0.45	0.04	0.22		
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
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
2022	Q1	163.5	21.8	72.5	-16.0	123.4	-13.2
	Q2	156.2	8.1	52.9	-3.2	121.8	19.8
2021	(Jan.-Aug.)	143.0	16.8	65.6	-15.7	115.7	9.9
2022	(Jan.-Aug.)	164.1	14.7	58.6	-10.6	124.9	8.0
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
	Feb	154.4	17.9	74.7	-6.6	125.4	-15.3
	Mar	160.0	9.5	73.9	-17.7	111.5	-10.8
	Apr	153.3	5.5	66.7	11.7	119.1	17.4
	May	140.7	6.0	42.0	-11.7	114.5	22.1
	Jun	174.4	12.4	50.1	-11.7	131.8	20.0
	Jul	170.4	20.5	43.4	-12.8	134.1	28.7
	Aug	183.2	10.0	49.4	-5.1	129.8	45.0

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding		Percetakan		Aktiviti perkhidmatan berkaitan percetakan	
		<i>Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper</i>		<i>Printing</i>		<i>Service activities related to printing</i>	
		Kod/ Codes	17093	18110		18120	
		Wajaran/Weight 2015	0.11	0.73		0.19	
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
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
2022	Q1	152.4	13.1	117.9	2.1	136.4	1.4
	Q2	125.9	13.5	114.6	11.6	139.5	12.5
2021	(Jan.-Aug.)	122.8	5.6	108.3	6.2	121.8	-0.3
2022	(Jan.-Aug.)	144.6	17.8	115.7	6.8	132.5	8.7
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
	Feb	153.4	2.9	117.0	1.2	135.6	0.0
	Mar	157.6	23.6	112.2	3.1	133.6	4.8
	Apr	134.5	19.7	122.1	9.1	142.8	6.7
	May	117.1	12.9	116.1	10.0	136.6	4.5
	Jun	126.2	8.2	105.6	16.6	139.2	29.4
	Jul	164.7	34.5	107.4	8.2	114.4	18.2
	Aug	157.0	28.1	120.5	6.9	117.6	14.9

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

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

		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year		
		Pembuatan produk petroleum bertapis		Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat		Pembuatan kimia organik asas								
Tahun Year		Tempoh 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								
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							
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							
2022	Q1	118.5	4.1	156.8	20.3	126.8	2.2							
	Q2	110.4	4.3	129.1	25.1	123.8	4.7							
2021	(Jan.-Aug.)	112.2	13.3	115.5	22.0	121.7	5.7							
2022	(Jan.-Aug.)	118.7	5.7	140.2	21.4	123.8	1.7							
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							
	Feb	114.0	-1.7	164.2	24.2	127.4	3.5							
	Mar	129.8	12.1	164.3	20.1	126.8	-4.0							
	Apr	91.8	-1.2	125.0	39.3	114.1	6.7							
	May	108.8	1.8	114.0	30.5	114.9	5.0							
	Jun	130.5	10.9	148.3	12.0	142.5	3.0							
	Jul	129.7	5.8	121.1	14.0	116.8	-3.9							
	Aug	133.0	14.4	142.5	21.7	121.3	-2.8							

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

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

		Pembuatan sebatian bukan organik		Pembuatan baja		Pembuatan plastik dalam bentuk primer	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh 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	
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
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
2022	Q1	137.1	2.0	118.4	-8.1	112.1	-4.4
	Q2	141.3	3.1	139.3	6.6	108.4	6.0
2021	(Jan.-Aug.)	136.0	8.7	131.4	18.9	109.6	9.4
2022	(Jan.-Aug.)	139.7	2.7	138.1	5.2	113.2	3.2
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
	Feb	131.5	-0.8	122.1	-1.3	112.5	-5.0
	Mar	137.9	0.3	125.3	-7.7	110.9	-12.0
	Apr	142.7	7.3	160.0	26.7	101.8	-2.5
	May	138.9	2.4	116.0	3.2	104.2	12.4
	Jun	142.3	-0.1	141.8	-7.4	119.2	8.7
	Jul	137.7	2.3	162.0	19.8	118.8	12.3
	Aug	144.5	4.3	170.1	23.9	124.9	11.0

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

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

		Pembuatan racun perosak dan produk agrokimia lain		Pembuatan cat, varnis dan penyadur dan mastik		Pembuatan dakwat cetak	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh Period	Pembuatan racun perosak dan produk agrokimia lain		Pembuatan cat, varnis dan penyadur dan mastik		Pembuatan dakwat cetak	
		<i>Manufacture of pesticides and other agrochemical products</i>		<i>Manufacture of paints, varnishes and similar coatings ink and mastics</i>		<i>Manufacture of printing ink</i>	
Kod/ Codes		20210		20221		20222	
Wajaran/Weight 2015		0.14		0.33		0.10	
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
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
2022	Q1	75.7	-11.0	139.3	8.8	75.7	4.6
	Q2	71.5	-22.4	131.3	-1.9	66.2	-19.9
2021	(Jan.-Aug.)	85.7	-21.1	133.9	30.4	82.2	-29.0
2022	(Jan.-Aug.)	68.8	-19.7	135.6	1.3	69.7	-15.3
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
	Feb	72.6	-12.6	127.1	2.3	61.9	-14.5
	Mar	75.2	-13.8	143.2	11.5	77.0	8.8
	Apr	75.1	-30.5	132.4	2.2	60.9	-13.0
	May	67.4	-16.3	126.0	-2.4	73.2	-11.2
	Jun	71.9	-17.8	135.4	-5.3	64.4	-32.5
	Jul	50.2	-32.8	131.9	4.2	59.6	-34.2
	Aug	58.8	-26.0	141.2	-11.3	72.4	-29.3

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat		Pembuatan pewangi dan penyediaan dandanan diri		Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	
		Manufacture of soap and detergents, cleaning and polishing preparations		Manufacture of perfumes and toilet preparations		Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials	
Kod/ Codes		20231		20232		20291	
Wajaran/Weight 2015		0.23		0.15		0.01	
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
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
2022	Q1	99.3	11.6	95.8	12.9	234.3	24.7
	Q2	84.7	-1.8	92.9	-7.8	237.5	14.1
2021	(Jan.-Aug.)	88.8	-5.8	95.3	3.7	204.7	65.8
2022	(Jan.-Aug.)	93.6	5.5	92.7	-2.7	237.6	16.0
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
	Feb	98.0	9.0	93.5	12.2	234.4	24.9
	Mar	103.5	9.5	104.3	9.4	237.5	22.4
	Apr	81.4	-1.6	95.9	2.2	235.7	16.4
	May	81.6	0.2	90.8	-8.9	238.6	14.9
	Jun	91.2	-3.7	91.9	-15.3	238.3	11.1
	Jul	90.9	0.9	89.5	-10.8	240.6	8.7
	Aug	105.8	12.3	86.1	-18.2	244.6	7.2

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

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

		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year		
		Pembuatan produk kimia lain t.t.t.l.		Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan		Pembuatan tayar getah untuk kenderaan				
		Manufacture of other chemical products n.e.c.		Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments		Manufacture of rubber tyres for vehicles				
Kod/ Codes		20299		21001		22111				
Wajaran/Weight 2015		0.43		0.30		0.17				
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			
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			
2022	Q1	123.0	1.5	159.0	11.8	125.6	2.4			
	Q2	126.8	2.4	168.5	5.5	116.6	-13.9			
2021	(Jan.-Aug.)	122.8	6.9	157.3	17.5	123.5	26.6			
2022	(Jan.-Aug.)	126.0	2.7	171.5	9.1	120.3	-2.6			
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			
	Feb	120.3	-1.6	158.9	7.7	122.3	3.8			
	Mar	123.9	6.3	166.4	7.6	129.4	-6.2			
	Apr	128.7	6.3	164.8	6.4	124.9	-14.2			
	May	124.6	3.7	159.5	3.9	105.8	-8.9			
	Jun	127.3	-2.3	181.3	6.0	119.2	-17.7			
	Jul	130.5	6.4	191.9	11.9	121.5	-1.9			
	Aug	128.1	3.1	197.8	9.5	114.7	27.1			

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

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

		Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup		Pembuatan sarung tangan getah		Pengilangan semula getah dan prosesan susu getah	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh Period	Manufacture of interchangeable tyre treads and retreading rubber tyres		Manufacture of rubber gloves		Rubber remilling and latex processing	
Kod/ Codes		22112		22192		22193	
Wajaran/Weight 2015		0.04		1.16		0.24	
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
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
2022	Q1	113.9	7.4	237.2	-28.2	119.8	-8.1
	Q2	109.3	6.6	249.3	-31.8	124.2	2.1
2021	(Jan.-Aug.)	105.2	-14.8	338.4	61.1	126.7	11.5
2022	(Jan.-Aug.)	115.6	9.9	240.8	-28.8	132.5	4.5
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
	Feb	117.9	16.9	208.9	-27.6	114.7	-4.8
	Mar	121.9	8.5	269.7	-29.7	129.2	-8.9
	Apr	114.7	3.7	272.9	-26.1	118.8	-5.0
	May	103.0	-4.7	235.6	-33.0	124.0	5.4
	Jun	110.1	24.0	239.5	-36.4	129.9	6.1
	Jul	121.7	21.2	236.3	-27.0	141.2	19.0
	Aug	133.8	15.7	231.0	-21.6	186.6	34.1

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

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

		Pembuatan produk getah lain yang t.t.t.l.		Pembuatan produk plastik separa siap		Pembuatan produk plastik siap	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh Period	Manufacture of other rubber products n.e.c.		Manufacture of semi-manufactures of plastic products		Manufacture of finished plastic products	
Kod/ Codes		22199		22201		22202	
Wajaran/Weight 2015		0.37		0.36		0.17	
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
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
2022	Q1	137.0	3.9	174.7	10.6	111.8	14.5
	Q2	132.4	1.5	176.0	19.8	89.9	-5.3
2021	(Jan.-Aug.)	130.9	-6.1	153.9	41.6	98.3	-2.0
2022	(Jan.-Aug.)	135.5	3.4	180.4	17.2	96.5	-1.8
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
	Feb	135.8	2.6	194.3	18.1	117.3	4.3
	Mar	139.0	1.5	152.4	5.2	111.9	19.8
	Apr	146.3	2.8	166.4	21.5	87.7	1.9
	May	124.0	-2.0	155.6	13.6	88.9	0.9
	Jun	126.8	3.6	205.9	23.3	93.1	-15.8
	Jul	134.8	2.3	207.6	24.6	83.3	-17.6
	Aug	140.9	8.9	183.9	22.4	83.5	-22.4

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

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

		Pembuatan artikel plastik untuk pembungkusan barangan		Pembuatan barangan plastik jurubina		Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh Period	Pembuatan artikel plastik untuk pembungkusan barangan		Pembuatan barangan plastik jurubina		Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	
		<i>Manufacture of plastic articles for the packing of goods</i>		<i>Manufacture of builders' plastics ware</i>		<i>Manufacture of plastic tableware, kitchenware and toilet articles</i>	
Kod/ Codes		22203		22204		22205	
Wajaran/Weight 2015		0.62		0.07		0.17	
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
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
2022	Q1	135.0	7.5	131.5	-1.3	77.1	-2.2
	Q2	141.9	11.0	120.1	-7.2	83.4	-8.9
2021	(Jan.-Aug.)	133.7	11.8	131.0	24.6	88.1	-8.6
2022	(Jan.-Aug.)	145.0	8.5	125.9	-3.9	85.0	-3.6
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
	Feb	132.5	6.2	121.4	-12.0	77.5	-0.2
	Mar	134.1	5.9	127.9	-2.6	72.9	-8.4
	Apr	135.8	15.7	121.7	-12.3	75.5	-15.3
	May	127.2	6.8	117.6	7.2	77.1	-6.3
	Jun	162.5	10.7	121.0	-13.3	97.7	-5.5
	Jul	165.8	10.2	117.7	-9.5	103.4	1.9
	Aug	163.6	3.1	135.0	3.9	94.8	2.7

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

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

Tahun Year	Tempoh 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/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ 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>	
Kod/ Codes		22209		23101		23109	
Wajaran/Weight 2015		0.86		0.15		0.23	
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
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
2022	Q1	120.3	1.0	123.7	5.6	104.1	21.5
	Q2	114.9	-3.7	113.9	14.9	96.2	27.2
2021	(Jan.-Aug.)	123.0	11.9	110.6	-8.8	81.6	-25.5
2022	(Jan.-Aug.)	122.4	-0.5	121.1	9.5	101.1	24.0
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
	Feb	119.5	-1.1	118.0	10.9	95.9	18.6
	Mar	115.2	1.8	128.4	7.8	115.7	28.2
	Apr	105.9	3.1	111.0	10.1	100.9	17.7
	May	104.7	-5.8	110.0	18.9	95.7	19.0
	Jun	134.0	-7.0	120.5	16.1	91.9	51.2
	Jul	133.3	-1.1	126.1	8.1	103.4	57.8
	Aug	140.6	4.8	130.3	8.9	104.8	1.8

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

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

		Indeks/ Index		Indeks/ Index		Indeks/ Index	
		% Perubahan tahun ke tahun/ change year-on-year		% Perubahan tahun ke tahun/ change year-on-year		% Perubahan tahun ke tahun/ change year-on-year	
Tahun Year	Tempoh Period	Pembuatan seramik bukan refraktori		Pembuatan produk porselin dan seramik lain		Pembuatan simen hidrolik	
		Manufacture of non-refractory ceramic		Manufacture of other porcelain and ceramic products		Manufacture of hydraulic cement	
Kod/ Codes		23921		23930		23941	
Wajaran/Weight 2015		0.23		0.07		0.74	
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
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
2022	Q1	65.5	-19.3	103.4	-0.6	171.9	21.0
	Q2	57.6	-15.1	110.3	3.8	85.5	22.5
2021	(Jan.-Aug.)	72.5	-25.6	103.3	15.5	95.8	2.4
2022	(Jan.-Aug.)	61.9	-14.6	109.6	6.1	113.9	18.9
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
	Feb	55.8	-21.1	105.5	-1.4	167.7	14.0
	Mar	74.6	-10.2	98.4	-13.8	158.9	35.6
	Apr	53.7	-27.0	117.6	-0.4	130.8	24.6
	May	57.6	-23.3	105.2	7.7	66.2	12.9
	Jun	61.4	11.9	107.9	5.1	59.6	29.9
	Jul	59.2	4.6	117.0	19.6	52.5	16.4
	Aug	67.2	-12.2	119.2	21.2	86.7	1.4

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		
		Pembuatan kapur dan plaster		Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering		Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan				
		Manufacture of lime and plaster		Manufacture of ready-mix and dry- mix concrete and mortars		Manufacture of precast concrete, cement or artificial stone articles for use in construction				
Kod/ Codes		23942		23951		23952				
Wajaran/Weight 2015		0.09		0.36		0.38				
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			
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			
2022	Q1	94.6	-17.6	151.1	8.2	88.6	0.2			
	Q2	86.9	5.1	165.1	22.9	86.0	19.2			
2021	(Jan.-Aug.)	95.4	5.0	133.1	25.3	76.6	-8.0			
2022	(Jan.-Aug.)	92.4	-3.2	166.6	25.1	89.7	17.1			
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			
	Feb	93.2	-12.8	127.3	5.0	90.5	10.5			
	Mar	89.6	-17.4	158.9	-7.8	89.3	-1.6			
	Apr	78.6	-6.7	154.1	-1.4	85.8	10.7			
	May	89.9	5.4	166.2	12.7	81.8	11.6			
	Jun	92.1	17.4	174.9	76.5	90.3	37.8			
	Jul	93.7	21.3	178.1	75.7	95.0	61.2			
	Aug	101.0	7.3	205.7	45.1	98.6	36.7			

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan		Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.		Pembuatan produk mineral bukan logam lain t.t.t.l.	
		<i>Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone</i>		<i>Manufacture of other articles of concrete, cement and plaster n.e.c.</i>		<i>Manufacture of other non-metallic mineral products n.e.c.</i>	
		Kod/ Codes	23953	23959		23990	
		Wajaran/Weight 2015	0.18	0.19		0.21	
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
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
2022	Q1	98.0	-15.9	135.2	3.5	100.9	-14.6
	Q2	90.8	-1.6	91.6	28.5	83.6	-18.1
2021	(Jan.-Aug.)	97.4	9.6	91.4	13.1	104.2	25.1
2022	(Jan.-Aug.)	91.7	-5.9	106.5	16.5	91.3	-12.4
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
	Feb	107.9	-14.5	146.0	5.4	96.2	3.5
	Mar	100.7	-12.6	114.0	9.7	104.7	-17.7
	Apr	98.5	-7.5	98.3	17.4	103.6	-8.8
	May	84.9	-14.5	83.4	21.0	72.3	-25.8
	Jun	89.1	24.9	93.0	52.2	74.8	-21.4
	Jul	88.0	23.9	85.6	49.2	77.7	-7.4
	Aug	78.9	-3.1	85.8	25.8	99.2	11.8

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	
		Pengeluaran jongkong besi dan spiegeleisen dalam bentuk jongkong, blok atau dalam bentuk asal lain		Pembuatan batang dan rod keluli tahan karat atau keluli aloi lain		Pembuatan tiub tidak berkelim, dengan penggelekan, picitan atau tempaan panas, atau dengan tempaan atau penggelekan sejuk		
		<i>Production of pig iron and spiegeleisen in pigs, blocks or other primary forms</i>		<i>Production of bars and rods of stainless steel or other alloy steel</i>		<i>Manufacture of seamless tubes, by hot rolling, hot extrusion or hot drawing, or by cold drawing or cold rolling</i>		
Kod/ Codes		24101		24102		24103		
Wajaran/Weight 2015		0.23		0.79		0.11		
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	
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	
2022	Q1	122.6	13.5	131.6	4.1	91.8	-9.2	
	Q2	83.0	-8.0	133.5	10.4	73.1	6.2	
2021	(Jan.-Aug.)	99.8	-3.7	122.4	-2.4	79.9	-15.5	
2022	(Jan.-Aug.)	102.6	2.8	134.6	10.0	79.0	-1.1	
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	
	Feb	125.7	1.1	122.2	2.9	90.0	-8.9	
	Mar	119.7	21.4	138.8	4.3	85.8	-11.0	
	Apr	81.4	-9.7	147.5	5.0	68.7	-10.7	
	May	82.9	-15.5	128.4	6.2	79.4	20.5	
	Jun	84.7	2.9	124.5	22.9	71.4	11.6	
	Jul	94.8	4.9	127.1	25.7	68.1	8.7	
	Aug	109.3	-3.5	154.6	13.5	68.9	3.8	

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		Pembuatan produk besi asas dan keluli lain t.t.t.l.		Peleburan timah; Pengeluaran aluminium daripada alumina; & Pembuatan logam asas berharga dan logam bukan ferus lain t.t.t.l.		Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	
		<i>Manufacture of other basic iron and steel products n.e.c.</i>		<i>Tin smelting; Production of aluminium from alumina; & Manufacture of other basic precious and other non-ferrous metal n.e.c.</i>		<i>Manufacture of metal doors, windows and their frames, shutters and gates</i>	
Kod/ Codes		24109		24201, 24202 & 24209		25113	
Wajaran/Weight 2015		0.33		0.71		0.32	
2020		97.6	-14.4	106.5	-8.2	113.3	-0.9
2021		94.3	-3.3	112.7	5.8	107.5	-5.1
2021	Q1	96.4	-14.8	116.3	9.9	120.8	3.0
	Q2	82.8	72.5	104.3	42.2	97.2	5.9
	Q3	88.8	-20.7	102.0	-14.6	97.3	-27.9
	Q4	109.3	-6.8	128.4	0.7	114.8	5.0
2022	Q1	107.7	11.7	127.7	9.8	118.4	-2.0
	Q2	102.5	23.8	117.3	12.5	94.3	-3.0
2021	(Jan.-Aug.)	87.6	3.5	106.2	9.2	105.7	-6.9
2022	(Jan.-Aug.)	102.3	16.8	120.9	13.8	101.8	-3.7
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
	Feb	104.1	6.5	128.4	9.8	121.4	-8.8
	Mar	108.9	18.0	125.2	14.8	113.3	0.9
	Apr	110.3	23.2	118.8	6.7	92.1	-7.4
	May	98.3	20.3	117.0	10.2	92.9	-13.5
	Jun	98.9	28.3	115.9	21.8	98.0	15.3
	Jul	96.0	28.3	112.3	30.4	83.2	-8.7
	Aug	92.0	3.7	120.2	17.7	93.0	-7.5

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

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

		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year				
Tahun Year	Tempoh Period	Pembuatan produk struktur logam lain		Pembuatan tangki, takungan dan kontena daripada logam		Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi		Rawatan dan penyalutan logam; menggunakan mesin					
		Manufacture of other structural metal products		Manufacture of tanks, reservoirs and containers of metal		Forging, pressing, stamping and roll-forming of metal; powder metallurgy		Treatment and coating of metals; machining					
Kod/ Codes		25119		25120		25910		25920					
Wajaran/Weight 2015		0.54		0.31		0.32		0.25					
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				
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				
2022	Q1	125.6	11.6	141.7	5.2	111.4	5.5	147.3	35.6				
	Q2	107.1	10.4	115.6	27.2	97.9	-7.7	103.6	21.8				
2021	(Jan.-Aug.)	104.6	-6.3	104.5	23.4	97.2	10.6	113.8	-4.5				
2022	(Jan.-Aug.)	117.8	12.6	124.3	18.9	101.1	4.1	120.3	5.7				
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				
	Feb	112.5	6.5	121.0	-12.4	105.9	24.0	138.9	43.6				
	Mar	126.2	9.9	132.4	11.1	102.5	-6.6	105.2	41.5				
	Apr	109.2	8.0	113.0	15.1	96.7	-13.9	97.3	17.6				
	May	103.7	7.5	116.8	19.1	98.3	-15.7	104.9	9.5				
	Jun	108.5	16.0	117.1	53.0	98.9	10.5	108.7	41.7				
	Jul	114.0	11.9	108.7	33.0	86.5	25.2	94.5	66.3				
	Aug	129.7	22.4	113.2	46.6	94.5	29.0	112.6	-5.3				

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

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

Tahun Year	Tempoh 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/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ 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>		
Kod/ Codes		25991		25992		25993		
Wajaran/Weight 2015		0.41		0.35		0.31		
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	
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	
2022	Q1	99.2	-8.3	90.5	4.5	108.9	-3.5	
	Q2	88.5	8.4	87.0	20.6	97.4	-6.3	
2021	(Jan.-Aug.)	90.4	9.7	80.8	-9.0	108.0	20.0	
2022	(Jan.-Aug.)	90.9	0.5	90.8	12.4	101.2	-6.3	
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	
	Feb	96.6	-11.1	78.2	8.1	93.9	-0.2	
	Mar	94.1	-2.0	92.4	9.4	108.8	-6.5	
	Apr	85.0	2.3	82.0	7.0	97.6	-11.6	
	May	90.5	10.9	87.2	25.8	96.6	-15.0	
	Jun	90.1	12.0	91.8	30.4	98.2	11.8	
	Jul	80.1	10.0	96.8	22.0	97.9	-3.3	
	Aug	84.1	3.8	96.8	6.9	92.5	-17.6	

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

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

Tahun Year	Tempoh Period	Pembuatan produk lain yang direka daripada logam t.t.t.l.		Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya		Pembuatan litar elektronik bersepadu dengan pemasangan mikro	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		<i>Manufacture of any other fabricated metal products n.e.c.</i>		<i>Manufacture of diodes, transistors and similar semiconductor devices</i>		<i>Manufacture of electronic integrated circuits micro assemblies</i>	
Kod/ Codes		25999		26101		26102	
Wajaran/Weight 2015		0.45		3.25		1.76	
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
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
2022	Q1	137.6	1.9	157.8	19.3	154.8	0.3
	Q2	134.6	17.4	171.9	13.3	233.1	13.8
2021	(Jan.-Aug.)	117.0	14.3	145.1	12.9	178.8	23.9
2022	(Jan.-Aug.)	133.3	13.9	168.5	16.1	203.6	13.9
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
	Feb	128.6	13.5	141.9	12.7	125.1	0.5
	Mar	138.8	-5.8	169.1	20.8	172.1	5.5
	Apr	144.6	9.1	159.8	14.2	200.2	6.9
	May	128.1	6.5	162.3	15.7	219.9	14.7
	Jun	131.1	43.9	193.6	10.7	279.2	18.6
	Jul	123.2	31.5	175.0	14.4	227.4	30.0
	Aug	126.3	34.8	183.8	17.8	237.7	33.6

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

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

		Pembuatan kapasitor dan perintang elektrik		Pembuatan papan litar bercetak		Pembuatan komponen paparan	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh Period	Pembuatan kapasitor dan perintang elektrik		Pembuatan papan litar bercetak		Pembuatan komponen paparan	
		<i>Manufacture of electrical capacitors and resistors</i>		<i>Manufacture of printed circuit boards</i>		<i>Manufacture of display components</i>	
Kod/ Codes		26103		26104		26105	
Wajaran/Weight 2015		0.29		2.19		0.01	
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
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
2022	Q1	178.8	15.4	198.0	40.2	118.7	-7.0
	Q2	153.2	-7.0	229.2	35.6	118.5	0.7
2021	(Jan.-Aug.)	166.1	10.6	161.8	18.3	120.5	-4.1
2022	(Jan.-Aug.)	157.7	-5.1	220.7	36.4	117.3	-2.7
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
	Feb	171.1	20.6	187.0	37.3	111.7	-8.2
	Mar	182.6	26.4	204.4	44.9	117.2	-2.4
	Apr	166.5	15.2	193.3	23.5	116.8	1.8
	May	127.7	-33.5	209.1	36.3	118.7	-2.0
	Jun	165.5	5.1	285.2	44.8	120.1	2.3
	Jul	153.5	-31.1	233.9	39.2	112.7	0.9
	Aug	111.9	-24.3	249.7	28.0	113.7	-1.8

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

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

		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year	
		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year	
Tahun Year	Tempoh Period	Pembuatan komponen lain untuk aplikasi elektronik		Pembuatan komputer		Pembuatan kelengkapan peranti			
		Manufacture of other components for electronic applications		Manufacture of computers		Manufacture of peripheral equipment			
Kod/ Codes		26109		26201		26202			
Wajaran/Weight 2015		0.19		0.66		1.16			
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		
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		
2022	Q1	111.3	3.8	118.4	9.7	113.9	10.0		
	Q2	108.6	2.9	131.9	26.8	137.0	1.8		
2021	(Jan.-Aug.)	105.0	-16.8	110.9	1.0	122.3	26.9		
2022	(Jan.-Aug.)	109.1	3.9	129.9	17.2	129.8	6.1		
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		
	Feb	108.9	-1.0	112.0	12.4	102.0	8.8		
	Mar	112.0	2.3	121.3	12.5	120.8	3.0		
	Apr	107.4	0.3	127.3	34.1	138.0	3.2		
	May	105.3	-4.6	118.9	30.9	112.7	-4.8		
	Jun	113.0	14.1	149.5	18.4	160.3	5.7		
	Jul	107.9	8.2	138.6	2.4	145.4	12.8		
	Aug	105.2	3.1	149.8	29.2	140.0	3.3		

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

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

		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year				
Tahun Year	Tempoh Period	Pembuatan peralatan komunikasi		Pembuatan elektronik pengguna		Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan					
		Manufacture of communication equipment		Manufacture of consumer electronics		Manufacture of measuring, testing, navigating and control equipment					
Kod/ Codes		26300		26400		26511					
Wajaran/Weight 2015		0.91		2.43		0.39					
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				
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				
2022	Q1	98.2	-8.6	169.3	22.1	140.7	20.3				
	Q2	88.6	9.1	157.2	30.7	159.3	22.0				
2021	(Jan.-Aug.)	94.7	-9.8	135.9	22.9	127.9	23.8				
2022	(Jan.-Aug.)	94.9	0.3	168.9	24.3	157.9	23.4				
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				
	Feb	95.1	-12.9	146.9	16.3	134.7	15.3				
	Mar	91.7	8.5	153.9	30.4	142.6	18.2				
	Apr	83.4	14.3	149.9	35.0	137.0	24.8				
	May	90.4	16.2	152.8	35.7	149.3	21.9				
	Jun	92.1	-0.8	168.8	23.2	191.5	20.0				
	Jul	97.7	-9.3	168.0	18.5	167.7	21.6				
	Aug	101.2	20.8	204.1	20.9	195.6	36.7				

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

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

Tahun Year	Tempoh Period	Pembuatan jam tangan dan jam dan bahagiannya		Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik		Pembuatan instrumen dan kelengkapan optikal		
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	
		<i>Manufacture of watches and clocks and parts</i>		<i>Manufacture of irradiation, electro medical and electrotherapeutic equipment</i>		<i>Manufacture of optical instruments and equipment</i>		
Kod/ Codes		26520		26600		26701		
Wajaran/Weight 2015		0.13		0.40		0.04		
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	
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	
2022	Q1	82.0	-34.6	130.4	5.3	117.0	9.7	
	Q2	90.6	-12.8	135.0	-3.4	122.0	14.3	
2021	(Jan.-Aug.)	111.5	-7.1	132.7	5.5	112.3	3.5	
2022	(Jan.-Aug.)	88.3	-20.8	139.7	5.2	118.8	5.8	
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	
	Feb	84.7	-31.5	128.8	8.1	111.6	16.0	
	Mar	83.2	-31.8	134.6	-1.8	116.3	30.5	
	Apr	95.1	-7.0	117.8	-11.0	129.2	21.9	
	May	95.3	-5.0	126.0	-3.6	117.6	4.9	
	Jun	81.5	-25.4	161.2	3.1	119.2	17.0	
	Jul	91.6	-19.0	156.9	14.6	120.0	-3.9	
	Aug	97.1	7.1	164.2	22.4	113.3	-15.1	

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		
		Pembuatan peralatan fotografi		Pembuatan motor elektrik, penjana dan transformer		Pembuatan perkakasan pengagihan dan pengawalan elektrik				
		Manufacture of photographic equipment		Manufacture of electric motors, generators and transformers		Manufacture of electricity distribution and control apparatus				
Kod/ Codes		26702		27101		27102				
Wajaran/Weight 2015		0.05		0.21		0.44				
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			
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			
2022	Q1	46.7	-28.4	162.9	26.7	96.6	-5.9			
	Q2	44.6	-27.7	155.0	18.4	108.4	-8.0			
2021	(Jan.-Aug.)	65.2	-17.9	132.1	-1.8	107.1	7.9			
2022	(Jan.-Aug.)	47.0	-27.9	156.8	18.7	99.0	-7.6			
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			
	Feb	48.7	-37.7	148.8	20.9	85.7	-2.7			
	Mar	51.9	-7.1	168.6	34.4	105.9	4.6			
	Apr	40.4	-27.0	164.6	27.8	108.7	-6.0			
	May	52.1	-15.5	137.4	10.2	99.6	-12.3			
	Jun	41.2	-39.3	163.0	17.1	116.7	-5.9			
	Jul	45.0	-27.3	157.3	20.2	88.6	-13.4			
	Aug	57.6	-27.6	143.2	-2.7	88.4	-5.5			

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

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

		Pembuatan kabel gentian optikal		Pembuatan wayar dan kabel elektronik dan elektrik lain		Pembuatan perkakasan domestik	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh Period	Pembuatan kabel gentian optikal		Pembuatan wayar dan kabel elektronik dan elektrik lain		Pembuatan perkakasan domestik	
		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	
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
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
2022	Q1	120.5	12.8	161.3	19.1	136.6	20.6
	Q2	129.1	26.7	165.9	25.7	149.5	17.1
2021	(Jan.-Aug.)	109.2	6.8	135.8	9.0	127.1	3.3
2022	(Jan.-Aug.)	126.6	15.8	165.2	21.6	143.1	12.6
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
	Feb	110.9	2.9	156.1	17.8	125.4	15.1
	Mar	125.5	54.4	167.6	29.7	124.9	23.3
	Apr	131.2	36.5	173.9	38.5	141.5	23.9
	May	127.7	27.2	156.1	27.8	148.9	19.9
	Jun	128.4	17.6	167.8	13.1	158.1	9.3
	Jul	130.4	5.7	165.4	15.6	135.9	5.1
	Aug	133.1	7.0	174.1	23.5	151.1	-8.2

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

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

		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/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh Period	Pembuatan alat-alat kuasa bendalir		Pembuatan pam, pemampat, kepala paip dan injap lain		Pembuatan penggalas, gear, elemen gear dan pemanduan	
		<i>Manufacture of fluid power equipment</i>		<i>Manufacture of other pumps, compressors, taps and valves</i>		<i>Manufacture of bearings, gears, gearing and driving elements</i>	
Kod/ Codes		28120		28130		28140	
Wajaran/Weight 2015		0.00		0.14		0.05	
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
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
2022	Q1	142.2	5.3	117.1	-4.8	59.1	-31.4
	Q2	144.4	5.7	119.4	-8.6	64.6	-16.5
2021	(Jan.-Aug.)	136.2	1.0	125.2	-2.1	76.2	-19.6
2022	(Jan.-Aug.)	144.0	5.8	116.4	-7.1	61.6	-19.2
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
	Feb	142.3	5.9	110.6	-14.5	67.0	-36.4
	Mar	142.8	5.9	124.2	11.5	50.4	-29.0
	Apr	143.8	5.8	115.2	0.3	66.7	-7.8
	May	144.3	5.8	119.7	-18.0	62.2	-20.4
	Jun	145.1	5.5	123.4	-5.9	64.9	-20.4
	Jul	145.8	6.6	105.8	-8.0	60.3	-12.6
	Aug	146.3	6.4	115.6	-8.1	61.2	21.1

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		Pembuatan kelengkapan mengangkat dan mengendali		Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik		Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	
		<i>Manufacture of lifting and handling equipment</i>		<i>Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives</i>		<i>Manufacture of air-conditioning machines, including for motor vehicles</i>	
Kod/ Codes		28160		28180		28192	
Wajaran/Weight 2015		0.08		0.06		0.66	
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
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
2022	Q1	146.9	-3.0	88.8	-21.5	143.1	7.0
	Q2	227.1	13.6	106.6	23.6	199.8	1.2
2021	(Jan.-Aug.)	176.6	19.4	101.6	-4.0	167.3	29.2
2022	(Jan.-Aug.)	197.4	11.8	98.7	-2.8	184.9	10.5
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
	Feb	156.8	-8.4	102.9	-24.9	142.8	17.6
	Mar	149.9	-8.2	83.9	-7.5	153.8	-0.7
	Apr	185.7	8.0	117.4	15.3	199.4	3.1
	May	240.9	3.4	102.8	33.9	168.1	-2.0
	Jun	254.8	30.8	99.7	24.2	232.0	2.1
	Jul	233.6	22.4	109.8	9.1	217.4	33.1
	Aug	224.0	33.8	93.4	-17.7	232.9	28.1

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

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

		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/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh Period	Pembuatan jentera pembentukan logam dan alatan mesin		Pembuatan lain-lain mesin bertujuan khas t.t.t.l.		Pembuatan kereta penumpang	
		<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>	
Kod/ Codes		28220		28290		29101	
Wajaran/Weight 2015		0.33		0.26		1.58	
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
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
2022	Q1	108.7	10.9	130.1	-6.1	126.7	5.0
	Q2	106.2	3.9	132.9	-10.6	155.9	54.9
2021	(Jan.-Aug.)	102.9	-13.1	144.0	8.8	87.4	2.0
2022	(Jan.-Aug.)	106.6	3.7	132.0	-8.3	136.1	55.8
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
	Feb	107.5	12.2	137.3	-17.4	121.4	13.7
	Mar	107.1	4.1	129.1	-3.2	130.9	-4.2
	Apr	103.7	2.7	128.2	-10.3	169.5	1.5
	May	106.9	2.1	139.6	-9.5	147.8	11.0
	Jun	108.0	7.1	131.0	-12.0	150.4	8367.3
	Jul	101.6	-8.6	129.7	-8.6	110.2	1880.8
	Aug	106.8	-3.8	136.9	-7.4	131.0	344.4

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

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

		Pembuatan alat ganti dan aksesori untuk kenderaan bermotor		Pembinaan kapal dan struktur terapung		Pembuatan pesawat dan kapal angkasa dan jentera berkaitan	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
Tahun Year	Tempoh Period	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor		Pembinaan kapal dan struktur terapung		Pembuatan pesawat dan kapal angkasa dan jentera berkaitan	
		<i>Manufacture of parts and accessories for motor vehicles</i>		<i>Building of ships and floating structures</i>		<i>Manufacture of air and spacecraft and related machinery</i>	
Kod/ Codes		29300		30110		30300	
Wajaran/Weight 2015		1.42		0.44		0.28	
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
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
2022	Q1	164.9	3.9	98.0	8.5	115.4	-3.4
	Q2	158.6	20.9	84.4	7.9	90.0	1.0
2021	(Jan.-Aug.)	138.3	3.3	86.5	8.6	98.3	-8.1
2022	(Jan.-Aug.)	162.1	17.2	91.5	5.7	96.9	-1.4
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
	Feb	160.9	7.7	94.7	10.9	111.7	-3.6
	Mar	177.6	1.9	98.9	11.8	110.9	-8.7
	Apr	157.8	9.2	80.2	9.3	109.1	0.9
	May	152.9	16.9	83.9	8.3	82.4	4.5
	Jun	165.1	39.8	89.1	6.4	78.6	-2.2
	Jul	161.0	36.3	78.2	14.0	68.9	5.2
	Aug	165.0	39.5	106.8	-9.7	89.6	-5.4

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

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

		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on-year	
Tahun Year	Tempoh Period	Pembuatan motosikal		Pembuatan perabot kayu dan rotan		Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal			
		Manufacture of motorcycles		Manufacture of wooden and cane furniture		Repair and maintenance of transport equipment except motorcycles and bicycles			
Kod/ Codes		30910		31001		33150			
Wajaran/Weight 2015		0.26		0.72		0.24			
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		
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		
2022	Q1	97.9	-2.6	138.7	4.0	153.5	-8.2		
	Q2	88.6	21.0	118.5	8.3	160.5	11.1		
2021	(Jan.-Aug.)	78.1	-1.3	111.9	1.9	149.6	-6.6		
2022	(Jan.-Aug.)	92.2	18.0	123.7	10.6	159.0	6.2		
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		
	Feb	91.0	-0.5	132.0	-0.9	144.7	-9.4		
	Mar	101.2	-6.6	143.3	6.9	165.1	-1.0		
	Apr	90.5	3.0	124.0	10.0	167.5	4.9		
	May	87.4	14.2	115.5	7.2	149.6	0.6		
	Jun	87.7	59.1	116.0	7.6	164.5	31.4		
	Jul	80.3	81.8	111.3	35.1	166.6	31.1		
	Aug	97.6	64.0	107.0	26.4	163.0	20.8		

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		Pembuatan minyak dan lemak daripada sayuran dan haiwan		Pembuatan produk tenusu		Pembuatan produk bijian, kanji dan produk berkanji	
		Manufacture of vegetable and animal oils and fats		Manufacture of dairy products		Manufacture of grain mill products, starches and starch products	
Kod/Codes		104		105		106	
Wajaran/Weight 2015		3.71		0.47		0.23	
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
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
2022	Q1	83.1	0.4	135.4	4.9	138.0	4.3
	Q2	90.8	-9.2	162.5	9.5	143.6	7.4
2021	(Jan.-Aug.)	93.8	-14.9	141.6	6.4	131.1	11.7
2022	(Jan.-Aug.)	90.7	-3.3	153.9	8.6	144.5	10.2
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
	Feb.	75.3	7.6	112.4	-1.7	136.2	8.4
	Mar.	88.1	-4.9	142.1	12.4	142.2	-0.3
	Apr.	87.9	-7.8	171.0	10.2	149.4	-3.2
	May	87.4	-6.7	165.7	16.1	135.8	13.3
	Jun.	97.0	-12.5	151.0	2.6	145.8	14.9
	Jul.	98.6	-2.3	153.8	10.5	137.0	23.2
	Aug.	105.6	4.0	183.4	13.5	174.0	24.5

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

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

		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year	
Tahun Year	Tempoh Period	Pembuatan produk makanan lain		Pembuatan minuman ringan		Pembuatan produk tembakau			
		Manufacture of other food products		Manufacture of beverages		Manufacture of tobacco products			
Kod/Codes		107		110		120			
Wajaran/Weight 2015		1.85		0.65		0.52			
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		
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		
2022	Q1	140.5	5.9	125.1	7.6	127.6	4.1		
	Q2	144.7	5.7	137.7	22.5	104.2	49.8		
2021	(Jan.-Aug.)	136.6	4.6	111.7	9.4	72.6	-15.4		
2022	(Jan.-Aug.)	145.0	6.1	134.2	20.2	104.1	43.3		
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		
	Feb.	136.3	1.3	121.0	8.1	137.1	9.2		
	Mar.	140.2	5.4	125.0	7.1	122.2	1.7		
	Apr.	145.7	5.6	150.6	10.7	118.6	11.8		
	May	141.0	4.2	129.6	9.9	104.0	4.6		
	Jun.	147.3	7.3	132.7	60.0	90.0	2765.0		
	Jul.	151.0	6.3	132.8	50.9	67.8	2699.2		
	Aug.	153.2	8.0	152.8	27.3	69.5	2813.6		

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		Pemintalan, penenunan dan penyiapan tekstil		Pembuatan pakaian, kecuali pakaian berbulu		Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	
		<i>Spinning, weaving and finishing of textiles</i>		<i>Manufacture of wearing apparel, except fur apparel</i>		<i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	
		Kod/Codes	131	141		151	
		Wajaran/Weight 2015	0.40	0.58		0.06	
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
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
2022	Q1	128.4	5.6	137.6	4.1	199.3	8.3
	Q2	110.1	2.1	99.0	6.3	211.9	27.7
2021	(Jan.-Aug.)	110.8	22.2	109.2	2.9	148.1	31.0
2022	(Jan.-Aug.)	117.6	6.1	114.8	5.1	200.7	35.5
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
	Feb.	126.5	3.8	132.6	3.3	189.3	10.1
	Mar.	134.3	4.1	143.0	6.5	213.1	9.3
	Apr.	103.9	0.0	108.3	6.8	205.1	1.0
	May	107.3	1.5	93.9	5.4	229.1	11.9
	Jun.	119.1	4.8	94.8	6.6	201.5	124.3
	Jul.	111.8	15.8	98.9	9.3	172.4	180.9
	Aug.	113.6	11.8	109.8	2.0	199.7	170.7

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

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

Tahun Year	Tempoh Period	% Perubahan tahun ke tahun/ change year-on- year		% Perubahan tahun ke tahun/ change year-on- year		% Perubahan tahun ke tahun/ change year-on- year	
		Indeks/ Index		Indeks/ Index		Indeks/ Index	
		Pembuatan kasut		Pengilangan dan pengetaman kayu		Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	
		Manufacture of footwear		Sawmilling and planning of wood		Manufacture of products of wood, cork, straw and plaiting materials	
Kod/Codes		152		161		162	
Wajaran/Weight 2015		0.09		0.35		1.09	
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
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
2022	Q1	104.9	-4.2	138.8	9.0	127.6	9.4
	Q2	110.6	14.4	114.5	25.7	119.0	7.8
2021	(Jan.-Aug.)	95.9	6.9	112.2	8.4	105.0	12.0
2022	(Jan.-Aug.)	108.5	13.1	130.0	15.9	118.5	12.9
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
	Feb.	101.6	-2.6	142.9	5.5	123.5	7.2
	Mar.	108.0	-7.3	139.7	10.7	128.3	9.7
	Apr.	111.7	-0.4	106.7	15.2	121.2	5.9
	May	110.2	3.6	114.6	33.1	118.9	3.8
	Jun.	110.0	53.7	122.2	29.3	116.8	14.3
	Jul.	113.2	59.8	117.9	43.2	111.2	42.1
	Aug.	108.5	39.3	162.5	1.5	97.4	20.5

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year			
		Pembuatan kertas dan produk kertas				Percetakan dan aktiviti perkhidmatan berkaitan percetakan				Pembuatan produk petroleum bertapis					
		Manufacture of paper and paper products				Printing and service activities related to printing				Manufacture of refined petroleum products					
		Kod/Codes				170				181				192	
Wajaran/Weight 2015		1.15				0.92				9.36					
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								
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								
2022	Q1	142.0	8.6	121.8	1.9	118.6	4.3								
	Q2	132.5	8.7	119.8	11.8	110.7	4.5								
2021	(Jan.-Aug.)	126.3	14.4	111.1	4.7	112.2	13.1								
2022	(Jan.-Aug.)	138.6	9.7	119.2	7.2	118.8	5.8								
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								
	Feb.	138.8	6.2	120.9	1.0	114.1	-1.4								
	Mar.	138.1	4.9	116.7	3.5	129.9	12.3								
	Apr.	132.3	8.0	126.4	8.5	92.4	-1.0								
	May	122.6	7.4	120.3	8.6	109.1	2.0								
	Jun.	142.6	10.5	112.6	19.6	130.5	11.0								
	Jul.	139.9	14.0	108.9	10.3	129.6	5.7								
	Aug.	145.6	12.2	119.9	8.4	132.7	14.1								

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- 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	
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
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
2022	Q1	129.6	3.9	112.2	5.3	156.2	9.9
	Q2	123.7	9.2	107.6	-3.5	162.7	4.9
2021	(Jan.-Aug.)	119.3	10.6	110.4	4.7	153.4	14.3
2022	(Jan.-Aug.)	127.0	6.4	109.9	-0.5	165.3	7.8
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
	Feb.	131.2	5.4	106.7	0.9	155.2	5.4
	Mar.	131.6	-0.3	115.1	7.2	162.7	6.0
	Apr.	119.2	13.0	108.2	-0.7	159.9	6.7
	May	114.1	11.1	105.0	-2.0	154.9	3.7
	Jun.	137.8	4.6	109.6	-7.5	173.4	4.4
	Jul.	123.2	5.5	107.0	-1.8	180.8	9.5
	Aug.	132.5	7.6	112.3	-6.2	184.9	8.6

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- 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			
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		
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		
2022	Q1	187.7	-21.9	129.5	5.4	111.8	14.0		
	Q2	204.7	-22.0	128.0	4.5	103.1	21.5		
2021	(Jan.-Aug.)	245.4	43.4	126.7	14.6	93.0	-18.6		
2022	(Jan.-Aug.)	195.9	-20.1	133.3	5.2	109.0	17.2		
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		
	Feb.	169.8	-20.6	131.8	5.0	104.6	15.1		
	Mar.	209.1	-24.7	123.4	4.1	120.7	18.8		
	Apr.	217.6	-19.2	120.7	8.6	104.9	14.4		
	May	193.2	-23.0	116.2	2.4	101.3	19.0		
	Jun.	203.2	-23.9	147.1	3.1	103.2	32.8		
	Jul.	195.9	-17.5	147.6	6.2	112.4	31.2		
	Aug.	194.5	-10.6	145.9	5.6	114.8	4.9		

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		Pembuatan pengeluaran galian bukan logam t.t.t.l.		Pembuatan besi dan keluli asas		Pembuatan logam asas berharga dan logam bukan ferus lain	
		Manufacture of non-metallic mineral products n.e.c.		Manufacture of basic iron and steel		Manufacture of basic precious and other non-ferrous metals	
Kod/Codes		239		241		242	
Wajaran/Weight 2015		2.60		1.47		0.71	
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
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
2022	Q1	126.2	5.1	121.8	5.9	127.7	9.8
	Q2	98.0	12.7	114.0	10.1	117.3	12.5
2021	(Jan.-Aug.)	97.5	6.1	107.9	-2.1	106.2	9.2
2022	(Jan.-Aug.)	109.1	11.8	118.1	9.5	120.9	13.8
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
	Feb.	122.1	5.0	116.3	2.4	128.4	9.8
	Mar.	123.5	5.0	125.0	8.0	125.2	14.8
	Apr.	111.6	6.7	122.6	5.6	118.8	6.7
	May	90.2	4.3	110.9	6.3	117.0	10.2
	Jun.	92.2	32.1	108.6	20.2	115.9	21.8
	Jul.	91.3	35.4	110.4	21.7	112.3	30.4
	Aug.	108.5	18.7	126.9	9.0	120.2	17.7

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		Pembuatan produk struktur logam, tangki, takungan dan penjana wap; Pembuatan senjata dan peluru		Pembuatan produk lain yang direka daripada logam; aktiviti perkhidmatan kerja logam		Pembuatan komponen dan papan elektronik	
		Manufacture of structural metal products, tanks, reservoirs and steam generators; Manufacture of weapons and ammunition		Manufacture of other fabricated metal products; metal working service activities		Manufacture of electronic components and boards	
		Kod/Codes	251 & 252	259	261		
Wajaran/Weight 2015		1.39	2.40	7.68			
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
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
2022	Q1	79.9	-35.5	113.8	3.5	168.2	20.0
	Q2	42.5	-57.5	102.4	7.4	199.9	18.9
2021	(Jan.-Aug.)	108.6	4.3	98.4	7.6	157.3	16.3
2022	(Jan.-Aug.)	56.6	-47.9	105.9	7.6	189.5	20.4
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
	Feb.	45.4	-62.7	104.4	9.3	151.2	17.4
	Mar.	48.7	-59.7	107.9	-0.7	178.9	23.4
	Apr.	42.4	-59.5	101.6	-0.5	177.5	14.7
	May	41.8	-59.6	101.7	0.8	186.0	18.5
	Jun.	43.2	-53.0	104.0	25.1	236.2	22.7
	Jul.	41.6	-56.9	97.0	21.4	201.2	23.0
	Aug.	44.0	-56.2	101.6	11.1	210.1	23.3

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year	
		Pembuatan komputer dan kelengkapan peranti		Pembuatan peralatan komunikasi		Pembuatan peralatan elektronik pengguna			
		Manufacture of computers and peripheral equipment		Manufacture of communication equipment		Manufacture of consumer electronics			
Kod/Codes		262		263		264			
Wajaran/Weight 2015		1.82		0.91		2.43			
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		
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		
2022	Q1	115.5	9.9	98.2	-8.6	169.3	22.1		
	Q2	135.2	9.4	88.6	9.1	157.2	30.7		
2021	(Jan.-Aug.)	118.2	16.7	94.7	-9.8	135.9	22.9		
2022	(Jan.-Aug.)	129.8	9.8	94.9	0.3	168.9	24.3		
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		
	Feb.	105.6	10.2	95.1	-12.9	146.9	16.3		
	Mar.	121.0	6.3	91.7	8.5	153.9	30.4		
	Apr.	134.1	12.1	83.4	14.3	149.9	35.0		
	May	115.0	6.0	90.4	16.2	152.8	35.7		
	Jun.	156.4	9.8	92.1	-0.8	168.8	23.2		
	Jul.	142.9	8.9	97.7	-9.3	168.0	18.5		
	Aug.	143.5	11.8	101.2	20.8	204.1	20.9		

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam		Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik		Pembuatan instrumen optikal dan kelengkapan fotografi	
		Manufacture of measuring, testing, navigating and control equipment; watches and clocks		Manufacture of irradiation, electromedical and electrotherapeutic equipment		Manufacture of optical instruments and photographic equipment	
		Kod/Codes	265	266	267		
Wajaran/Weight 2015		0.55	0.40	0.09			
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
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
2022	Q1	128.2	6.0	130.4	5.3	77.4	-7.1
	Q2	143.5	14.7	135.0	-3.4	78.4	-3.6
2021	(Jan.-Aug.)	125.3	16.4	132.7	5.5	85.8	-6.9
2022	(Jan.-Aug.)	141.9	13.3	139.7	5.2	78.4	-8.6
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
	Feb.	124.6	3.5	128.8	8.1	76.2	-11.5
	Mar.	129.5	6.7	134.6	-1.8	80.0	13.7
	Apr.	128.4	17.1	117.8	-11.0	79.2	2.2
	May	137.9	17.2	126.0	-3.6	80.7	-1.3
	Jun.	164.3	11.0	161.2	3.1	75.3	-9.0
	Jul.	149.2	12.6	156.9	14.6	77.8	-13.0
	Aug.	170.9	30.2	164.2	22.4	81.9	-20.5

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

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

Tahun Year	Tempoh Period	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on- year
		Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik		Pembuatan pendawaian dan peranti pendawaian		Pembuatan perkakasan domestik	
		<i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>		<i>Manufacture of wiring and wiring devices</i>		<i>Manufacture of domestic appliances</i>	
		Kod/Codes	271	273	275		
		Wajaran/Weight 2015	0.65	0.50	0.47		
2020			112.7	128.3	127.2		2.9
2021			118.6	143.2	136.1		7.0
2021	Q1		111.0	133.9	113.2		4.1
	Q2		122.0	130.1	127.7		13.5
	Q3		116.6	148.2	150.9		-3.4
	Q4		124.8	160.8	152.7		16.2
2022	Q1		118.0	157.6	136.6		20.6
	Q2		123.4	161.8	149.5		17.1
2021	(Jan.-Aug.)		115.2	133.9	127.1		3.3
2022	(Jan.-Aug.)		117.6	161.0	143.1		12.6
2021	Jan.		124.5	145.5	129.5		2.4
	Feb.		99.4	130.8	108.9		14.5
	Mar.		109.1	125.5	101.3		-3.3
	Apr.		119.9	123.7	114.2		52.1
	May		117.2	120.6	124.1		15.6
	Jun.		129.0	146.0	144.7		-6.7
	Jul.		111.6	140.7	129.3		-12.5
	Aug.		110.9	138.5	164.6		-4.4
	Sep.		127.4	165.4	158.6		7.0
	Oct.		129.0	173.5	149.3		11.0
	Nov.		117.0	150.8	144.7		21.4
	Dec.		128.5	157.9	164.0		16.8
2022	Jan.		121.7	157.8	159.5		23.2
	Feb.		106.1	152.1	125.4		15.1
	Mar.		126.2	163.1	124.9		23.3
	Apr.		126.8	169.2	141.5		23.9
	May		111.8	152.6	148.9		19.9
	Jun.		131.7	163.5	158.1		9.3
	Jul.		110.8	160.9	135.9		5.1
	Aug.		106.1	168.5	151.1		-8.2

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year	
		Pembuatan jentera kegunaan umum		Pembuatan jentera kegunaan khas		Pembuatan kenderaan bermotor			
		Manufacture of general-purpose machinery		Manufacture of special-purpose machinery		Manufacture of motor vehicles			
Kod/Codes		281		282		291			
Wajaran/Weight 2015		1.27		0.87		1.66			
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		
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		
2022	Q1	132.1	2.2	127.4	7.6	125.5	5.0		
	Q2	168.9	2.2	141.4	8.0	154.6	56.2		
2021	(Jan.-Aug.)	148.3	16.9	125.9	-0.5	86.3	2.7		
2022	(Jan.-Aug.)	158.3	6.8	135.5	7.6	135.0	56.4		
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		
	Feb.	132.7	4.8	125.7	3.6	121.3	12.8		
	Mar.	138.3	0.8	127.0	6.0	129.1	-3.7		
	Apr.	165.2	3.2	136.6	3.2	167.1	1.8		
	May	153.5	-1.3	147.8	9.0	146.9	12.3		
	Jun.	188.0	4.5	139.9	12.0	149.7	8389.5		
	Jul.	177.5	20.6	134.1	7.6	109.1	1824.7		
	Aug.	186.2	19.5	143.6	6.5	130.5	345.6		

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year	
		Pembuatan alat ganti dan aksesori untuk kenderaan bermotor		Pembinaan kapal dan bot		Pembuatan kapal angkasa dan udara dan jentera berkaitan			
		Manufacture of parts and accessories for motor vehicles		Building of ships and boats		Manufacture of air and spacecraft and related machinery			
Kod/Codes		293		301		303			
Wajaran/Weight 2015		1.42		0.45		0.28			
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		
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		
2022	Q1	164.9	3.9	98.7	8.6	115.4	-3.4		
	Q2	158.6	20.9	84.9	8.3	90.0	1.0		
2021	(Jan.-Aug.)	138.3	3.3	86.8	8.7	98.3	-8.1		
2022	(Jan.-Aug.)	162.1	17.2	92.2	6.3	96.9	-1.4		
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		
	Feb.	160.9	7.7	95.1	10.9	111.7	-3.6		
	Mar.	177.6	1.9	99.6	12.5	110.9	-8.7		
	Apr.	157.8	9.2	80.5	9.6	109.1	0.9		
	May	152.9	16.9	84.2	8.3	82.4	4.5		
	Jun.	165.1	39.8	90.0	7.1	78.6	-2.2		
	Jul.	161.0	36.3	79.1	15.5	68.9	5.2		
	Aug.	165.0	39.5	107.6	-8.4	89.6	-5.4		

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year	
		Pembuatan kelengkapan pengangkutan t.t.t.l.		Pembuatan perabot		Pembaikan pemasangan produk logam, jentera dan kelengkapan			
		Manufacture of transport equipment n.e.c.		Manufacture of furniture		Repair of fabricated metal products, machinery and equipment			
Kod/Codes		309		310		331			
Wajaran/Weight 2015		0.34		1.04		0.69			
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	
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	
2022	Q1	104.3	1.1	151.7	6.3	134.7		5.7	
	Q2	93.2	19.4	129.5	16.6	130.8		13.4	
2021	(Jan.-Aug.)	86.2	-0.1	114.5	0.9	118.5		0.8	
2022	(Jan.-Aug.)	97.7	13.3	133.7	16.8	132.8		12.1	
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	
	Feb.	97.8	0.5	144.6	4.0	125.4		5.4	
	Mar.	110.0	-1.4	158.5	9.7	144.4		8.1	
	Apr.	95.5	6.1	137.6	16.7	135.6		11.0	
	May	91.4	12.0	126.4	9.6	125.6		7.6	
	Jun.	92.5	48.2	124.5	24.6	131.1		22.5	
	Jul.	85.6	43.4	114.8	52.2	133.3		22.7	
	Aug.	103.5	20.3	111.5	40.9	133.1		19.6	

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year	
		Pemprosesan dan pengawetan daging		Pemprosesan dan pengawetan ikan, krustasea dan moluska		Pemprosesan dan pengawetan buah-buahan dan sayur- sayuran		Pembuatan makanan haiwan tersedia					
		Processing and preserving of meat		Processing and preserving of fish, crustaceans and molluscs		Processing and preserving of fruit and vegetables		Manufacture of prepared animal feeds					
Kod/ Codes		101		102		103		108					
Wajaran/Weight 2015		0.34		0.20		0.10		0.47					
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				
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				
2022	Q1	177.9	20.6	113.4	-12.5	128.5	6.1	200.7	23.9				
	Q2	238.0	23.4	117.5	-2.3	120.6	1.9	206.5	22.1				
2021	(Jan.-Aug.)	178.6	19.4	121.6	-9.6	118.3	8.0	180.5	24.9				
2022	(Jan.-Aug.)	215.0	20.4	114.6	-5.7	124.5	5.2	213.6	18.4				
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				
	Feb.	158.3	19.2	113.4	-17.4	132.3	16.8	187.7	22.2				
	Mar.	197.8	25.0	106.2	-7.7	118.8	-0.3	197.0	24.6				
	Apr.	258.9	25.3	114.9	-0.7	122.6	2.7	205.6	22.5				
	May	236.3	28.8	122.2	-1.2	116.8	5.1	209.0	20.0				
	Jun.	218.7	16.1	115.3	-5.0	122.6	-1.6	204.9	23.9				
	Jul.	234.9	24.4	105.2	-5.6	118.1	3.6	234.8	12.2				
	Aug.	237.5	8.4	119.0	7.2	130.2	13.9	252.9	4.8				

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year	
		Pembuatan tekstil lain		Pembuatan artikel daripada kulit bulu		Pembuatan pakaian yang dikait dan dikrusye							
		Manufacture of other textiles		Manufacture of articles of fur		Manufacture of knitted and crocheted apparel							
Kod/ Codes		139		142		143							
Wajaran/Weight 2015		0.17		0.00		0.01							
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						
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						
2022	Q1	131.9	9.1	125.7	9.7	147.9	11.4						
	Q2	107.9	7.9	137.7	12.0	150.8	7.2						
2021	(Jan.-Aug.)	110.1	3.2	112.5	-11.2	136.4	10.2						
2022	(Jan.-Aug.)	117.9	7.1	132.3	17.6	150.4	10.3						
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						
	Feb.	130.4	12.9	118.5	11.7	147.9	10.6						
	Mar.	139.6	7.8	124.1	4.2	149.0	9.7						
	Apr.	111.7	14.2	129.6	12.2	149.4	8.1						
	May	103.3	9.0	141.7	-4.2	150.7	7.8						
	Jun.	108.8	1.1	141.9	34.4	152.3	5.7						
	Jul.	108.9	0.1	133.2	35.9	153.1	17.3						
	Aug.	114.9	5.1	134.7	51.7	154.1	10.0						

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

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

Tahun Year	Tempoh Period	Penerbitan semula media rakaman		Pembuatan serat buatan manusia		Penuangan logam	
		Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year	Indeks/ Index	% Perubahan tahun ke tahun/ change year-on-year
		<i>Reproduction of recorded media</i>		<i>Manufacture of man-made fibres</i>		<i>Casting of metals</i>	
		Kod/ Codes	182	203		243	
		Wajaran/Weight 2015	0.00	0.02		0.17	
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
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
2022	Q1	101.4	-21.0	100.1	8.1	126.1	6.9
	Q2	110.7	-7.9	101.1	7.2	117.8	9.8
2021	(Jan.-Aug.)	121.3	10.5	95.5	24.1	113.6	8.8
2022	(Jan.-Aug.)	106.5	-12.2	101.1	5.8	121.6	7.0
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
	Feb.	101.4	-28.2	100.1	4.3	125.3	10.5
	Mar.	99.3	-10.5	100.7	1.8	130.1	6.5
	Apr.	122.6	2.2	100.7	21.1	122.0	19.2
	May	106.5	-6.6	102.6	5.1	116.0	11.9
	Jun.	103.2	-18.5	100.0	-2.1	115.5	-0.5
	Jul.	109.7	-3.7	101.6	2.5	119.0	-1.5
	Aug.	105.7	-4.8	103.6	-0.9	121.6	8.7

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- 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			
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		
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		
2022	Q1	141.1	16.8	163.3	25.1	82.1	-32.6		
	Q2	142.1	8.7	161.7	22.5	88.3	-15.6		
2021	(Jan.-Aug.)	129.2	50.7	132.9	25.5	104.0	-1.8		
2022	(Jan.-Aug.)	142.3	10.1	155.1	16.6	77.3	-25.7		
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		
	Feb.	141.1	14.8	166.1	20.2	87.1	-35.2		
	Mar.	142.4	16.5	160.6	32.1	82.9	-32.5		
	Apr.	141.1	11.2	172.6	29.7	91.5	-7.1		
	May	143.5	11.9	140.5	8.4	91.2	-13.0		
	Jun.	141.5	3.3	172.0	29.1	82.2	-25.7		
	Jul.	143.1	3.8	140.6	13.2	50.1	-30.9		
	Aug.	145.6	3.0	124.9	-17.7	56.8	-29.1		

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

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

Tahun Year	Tempoh Period	Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year		Indeks/ Index		% Perubahan tahun ke tahun/ change year-on- year	
		Pembuatan kelengkapan elektrik lain		Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler		Pembuatan lokomotif keretapi dan rolling stock , Pembuatan kenderaan tempur ketenteraan			
		Manufacture of other electrical equipment		Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers		Manufacture of railway locomotives and rolling stock, Manufacture of military fighting vehicles			
Kod/ Codes		279		292		302&304			
Wajaran/Weight 2015		0.34		0.09		0.13			
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		
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		
2022	Q1	174.1	28.7	60.8	10.9	75.3	-39.3		
	Q2	204.8	-2.1	62.8	26.0	47.7	-56.5		
2021	(Jan.-Aug.)	166.3	35.0	50.0	-18.0	117.5	21.2		
2022	(Jan.-Aug.)	193.0	16.0	63.0	26.1	58.8	-49.9		
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		
	Feb.	169.1	40.5	57.5	1.0	46.6	-59.8		
	Mar.	199.1	25.5	66.3	20.2	50.2	-57.1		
	Apr.	176.0	-19.9	58.2	21.1	47.7	-56.9		
	May	186.3	0.3	63.0	19.4	46.1	-56.0		
	Jun.	251.9	13.6	67.3	37.9	49.2	-56.5		
	Jul.	224.4	29.4	65.3	63.4	49.8	-50.1		
	Aug.	182.6	47.6	67.8	49.2	51.9	-62.9		

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

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

		% Perubahan tahun ke tahun/ change year-on- year		% Perubahan tahun ke tahun/ change year-on- year		% Perubahan tahun ke tahun/ change year-on- year	
		Indeks/ Index		Indeks/ Index		Indeks/ Index	
Tahun Year	Tempoh Period	Pembuatan barang kemas, bijouterie dan artikel berkaitan		Pembuatan instrumen muzik		Pembuatan barangan sukan	
		Manufacture of jewellery, bijouterie and related articles		Manufacture of musical instruments		Manufacture of sports goods	
Kod/ Codes		321		322		323	
Wajaran/Weight 2015		0.22		0.00		0.02	
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
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
2022	Q1	156.5	4.7	68.5	-34.3	91.5	-14.5
	Q2	165.1	15.5	78.5	-16.5	93.6	-2.3
2021	(Jan.-Aug.)	132.6	19.4	94.4	-3.7	103.0	9.8
2022	(Jan.-Aug.)	149.6	12.9	73.8	-21.8	91.4	-11.2
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
	Feb.	153.9	7.9	68.4	-34.2	82.5	-25.3
	Mar.	147.8	0.1	65.7	-37.5	89.7	-12.7
	Apr.	153.5	-13.6	90.2	-15.0	102.0	3.3
	May	187.1	19.4	71.3	-33.3	87.0	-5.8
	Jun.	154.6	63.7	73.9	7.0	91.9	-4.7
	Jul.	138.7	55.5	78.1	-5.4	94.0	-5.6
	Aug.	93.6	-0.4	71.6	-7.9	81.8	-29.0

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

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

		% Perubahan tahun ke tahun/ change year-on-year		% Perubahan tahun ke tahun/ change year-on-year		% Perubahan tahun ke tahun/ change year-on-year		% Perubahan tahun ke tahun/ change year-on-year	
		Indeks/ Index	Indeks/ Index	Indeks/ Index	Indeks/ Index	Indeks/ Index	Indeks/ Index	Indeks/ Index	Indeks/ Index
Tahun Year	Tempoh Period	Pembuatan permainan dan mainan		Pembuatan bekalan dan instrumen pergigian dan perubatan		Pembuatan lain t.t.t.l.		Pemasangan jentera perindustrian dan kelengkapan	
		Manufacture of games and toys		Manufacture of medical and dental instruments and supplies		Other manufacturing n.e.c.		Installation of industrial machinery and equipment	
Kod/ Codes		324		325		329		332	
Wajaran/Weight 2015		0.07		0.13		0.31		0.08	
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
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
2022	Q1	73.9	-26.0	139.9	29.5	97.7	-0.1	102.6	32.9
	Q2	76.2	-4.9	118.2	27.1	89.0	16.1	104.2	10.9
2021	(Jan.-Aug.)	84.6	2.9	100.8	-14.9	81.0	-0.7	89.9	-14.6
2022	(Jan.-Aug.)	74.5	-12.0	132.7	31.7	92.9	14.7	101.1	12.5
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
	Feb.	70.1	-33.4	137.6	35.7	95.2	5.1	86.9	28.3
	Mar.	72.5	-30.7	144.0	28.6	100.6	6.2	112.3	24.3
	Apr.	79.3	-6.2	103.2	23.9	97.0	19.2	108.1	19.8
	May	72.1	-15.1	123.2	15.3	87.5	4.1	101.5	10.8
	Jun.	77.2	8.9	128.2	44.3	82.5	28.0	103.0	3.0
	Jul.	75.6	7.5	142.3	57.2	89.5	46.5	102.1	-3.6
	Aug.	70.3	5.0	145.0	29.0	93.4	47.7	86.3	-13.2

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

Bil. / No.	Wajaran/ Weights 2015	Kod/ Codes	Keterangan/Tempoh	Jun. 2021	Jul. 2021	Aug. 2021	Jun. 2022	Jul. 2022	Aug. 2022	Q4 2020	Q1 2021	Q2 2021	Q4 2021	Q1 2022	Q2 2022	Jan.- Aug. 2020	Jan.- Aug. 2021	Jan.- Aug. 2022	Description/ Period
79	68.25	C	PEMBUATAN	126.9	119.1	125.4	145.2	136.9	144.5	126.3	125.3	123.4	137.9	133.2	134.8	112.1	123.8	135.7	MANUFACTURING
	8.55		Makanan, Minuman dan Tembakau	116.9	115.2	122.8	126.1	128.1	137.5	115.5	111.0	118.9	127.9	117.3	125.5	118.0	115.9	124.3	Food, Beverages and Tobacco
	1.1	7.39	10 Pembuatan produk makanan	127.9	125.5	131.5	128.0	132.0	140.9	114.9	109.7	122.9	127.6	115.9	125.9	121.7	119.3	124.8	Manufacture of food products
	1.2	0.65	11 Pembuatan minuman	83.0	88.0	120.0	132.7	132.8	152.8	122.8	116.3	112.3	137.5	125.1	137.7	102.1	111.7	134.2	Manufacture of beverages
	1.3	0.52	12 Pembuatan produk tembakau	3.1	2.4	2.4	90.0	67.8	69.5	113.7	122.6	69.5	121.1	127.6	104.2	85.9	72.6	104.1	Manufacture of tobacco products
	2.	1.33	Produk Tekstil, Pakaian, Kulit dan Kasut	98.4	92.5	102.8	110.6	109.1	116.1	132.0	128.3	102.6	137.9	134.7	110.1	101.0	111.0	120.0	Textiles, Wearing Apparel, Leather Products and Footwear
	2.1	0.58	13 Pembuatan tekstil	111.9	100.2	104.0	116.0	110.9	114.0	115.6	121.4	105.5	125.9	129.5	109.5	95.5	110.6	117.7	Manufacture of textiles
	2.2	0.60	14 Pembuatan pakaian	90.3	91.5	108.3	96.5	100.4	111.0	151.6	132.0	94.5	153.7	137.7	100.5	106.7	109.9	115.7	Manufacture of wearing apparel
	2.3	0.15	15 Pembuatan produk kulit dan barangan berkaitan	79.0	67.0	76.2	147.0	137.1	145.4	116.1	139.7	124.7	120.0	143.1	151.6	99.2	117.0	145.8	Manufacture of leather and related products
	3.	4.56	Produk Kayu, Perabot, Keluaran Kertas, Percetakan	106.3	93.3	104.9	124.6	119.3	122.3	128.8	127.6	111.3	136.4	136.4	124.6	105.7	114.4	128.1	Wood Products, Furniture, Paper Products, Printing
	3.1	1.44	16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman	100.3	79.2	100.0	118.1	112.8	113.1	121.2	119.2	105.7	131.9	130.3	117.9	96.1	106.7	121.3	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	129.0	122.8	129.8	142.6	139.9	145.6	128.2	130.8	121.9	149.0	142.0	132.5	110.5	126.3	138.6	Manufacture of paper and paper products
	3.3	0.93	18 Percetakan dan penerbitan semula media rakaman	94.2	98.8	110.6	112.5	108.9	119.8	128.5	119.5	107.2	130.5	121.7	119.7	106.2	111.2	119.1	Printing and reproduction of recorded media
	3.4	1.04	31 Pembuatan perabot	99.9	75.5	79.1	124.5	114.8	111.5	140.4	142.7	111.1	133.7	151.7	129.5	113.4	114.5	133.7	Manufacture of furniture
	4.	20.60	Produk Petroleum, Kimia, Getah dan Plastik	140.8	135.2	132.5	141.3	136.6	140.3	123.4	131.0	127.7	130.3	130.2	126.6	111.4	130.5	130.9	Petroleum, Chemical, Rubber and Plastic Products
	4.1	9.36	19 Pembuatan kok dan produk petroleum bertapis	117.6	122.6	116.3	130.5	129.6	132.7	107.1	113.7	105.9	116.3	118.6	110.7	99.3	112.2	118.8	Manufacture of coke and refined petroleum products
	4.2	6.37	20 Pembuatan kimia dan produk kimia	128.7	115.1	122.3	131.6	119.6	128.0	113.1	120.7	112.9	125.0	125.7	120.1	107.2	117.2	123.1	Manufacture of chemicals and chemical products
	4.3	0.38	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani	166.1	165.1	170.3	173.4	180.8	184.9	141.5	142.1	155.1	169.1	156.2	162.7	134.2	153.4	165.3	Manufacture of basic pharmaceuticals, medicinal chemical and botanical products
	4.4	4.49	22 Pembuatan produk getah dan plastik	204.3	187.7	177.5	174.9	171.5	170.0	170.5	181.0	191.8	163.6	158.3	166.0	140.5	185.4	164.3	Manufacture of rubber and plastics products
	5.	9.11	Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka	83.2	82.1	98.8	104.0	101.7	112.2	117.5	115.9	95.5	123.9	122.6	105.9	98.2	101.9	112.4	Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products
	5.1	2.97	23 Pembuatan produk galian bukan logam lain	70.8	69.8	93.7	93.6	94.0	109.3	122.6	117.3	86.7	124.7	124.4	98.7	94.7	96.9	109.0	Manufacture of other non-metallic mineral products
	5.2	2.35	24 Pembuatan logam asas	93.6	91.5	111.8	111.3	111.6	124.5	120.7	115.6	104.1	127.7	123.9	115.3	105.9	107.8	119.2	Manufacture of basic metals
	5.3	3.79	25 Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan	86.3	86.0	94.7	107.7	101.6	107.0	111.5	115.0	97.1	121.0	120.3	105.9	96.1	102.1	110.9	Manufacture of fabricated metal products, except machinery and equipment
	6.	18.23	Produk Peralatan Elektrik dan Elektronik	163.2	145.9	152.2	190.8	171.1	181.3	139.8	129.6	145.1	162.8	149.5	167.8	122.6	140.3	163.0	Electrical and Electronics Products
	6.1	13.89	26 Pembuatan komputer, produk elektronik dan optikal	166.2	149.4	155.9	198.4	176.9	189.5	146.1	131.5	145.1	170.6	153.7	171.8	122.8	141.9	167.8	Manufacture of computer, electronics and optical products
	6.2	2.20	27 Pembuatan kelengkapan elektrik	150.2	131.4	133.1	164.8	145.6	141.8	123.9	122.3	138.6	142.8	142.2	152.3	117.5	130.9	146.4	Manufacture of electrical equipment
	6.3	2.14	28 Pembuatan jentera dan peralatan t.t.t.l.	157.5	138.0	147.3	168.4	159.8	168.9	115.0	124.8	151.3	133.4	130.2	157.7	126.7	139.2	149.1	Manufacture of machinery and equipment n.e.c.
	7.	5.87	Kelengkapan Pengangkutan dan Pembuatan Lain	69.9	68.5	83.8	132.8	118.9	128.8	120.8	124.8	104.9	125.0	130.4	133.1	102.7	105.2	129.8	Transport Equipment and Other Manufactures
	7.1	3.17	29 Pembuatan kenderaan bermotor, treler dan semi treler	55.2	57.0	69.6	154.1	131.1	144.1	127.5	135.2	111.9	130.4	141.2	153.7	105.7	108.5	145.0	Manufacture of motor vehicles, trailers and semi-trailers
	7.2	1.19	30 Pembuatan kelengkapan pengangkutan lain	80.2	68.7	105.7	92.3	83.8	106.2	103.9	104.6	84.1	106.8	107.3	92.8	89.8	92.6	98.8	Manufacture of other transport equipment
	7.3	0.74	32 Pembuatan lain	78.9	76.3	82.6	111.3	112.0	100.2	116.4	115.1	99.6	122.5	119.9	115.2	97.1	100.4	114.7	Other manufacturing
	7.4	0.76	33 Membaiki dan pemasangan jentera dan kelengkapan	106.3	108.4	110.1	128.3	130.2	128.4	123.7	122.3	113.2	133.2	131.4	128.1	116.3	115.6	129.7	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. / No.	Wajaran/ Weights 2015	Kod/ Codes	Keterangan/ Tempoh	% Perubahan tahun ke tahun/ Change year-on-year								% Perubahan bulan ke bulan/ Change month-on-month				% Perubahan suku tahun ke suku tahun/ Change quarter-on-quarter				Description/ Period		
				Jul. 2021	Aug. 2021	Jul. 2022	Aug. 2022	Q1 2021	Q2 2021	Q1 2022	Q2 2022	Jan.- Aug. 2021	Jan.- Aug. 2022	Jul. 2021	Aug. 2021	Jul. 2022	Aug. 2022	Q1 2021	Q2 2021		Q1 2022	Q2 2022
1.	68.25 8.55	C	PEMBUATAN Makanan, Minuman dan Tembakau	-6.5	0.6	14.9	15.2	6.8	26.3	6.3	9.3	10.4	9.6	-6.1	5.3	-5.7	5.6	-0.8	-1.5	-3.4	1.2	MANUFACTURING Food, Beverages and Tobacco
	1.1 7.39	10	Pembuatan produk makanan	-10.9	-6.6	11.2	11.9	-0.1	1.9	5.7	5.6	-1.8	7.2	-1.5	6.6	1.6	7.3	-3.9	7.1	-8.3	6.9	Manufacture of food products
	1.2 0.65	11	Pembuatan minuman	-4.7	-1.5	5.2	7.1	-0.8	-2.0	5.7	2.4	-1.9	4.6	-1.9	4.8	3.1	6.8	-4.6	12.0	-9.1	8.6	Manufacture of beverages
	1.3 0.52	12	Pembuatan produk tembakau	-20.7	-0.1	50.9	27.3	1.8	38.6	7.6	22.5	9.4	20.2	6.0	36.4	0.0	15.1	-5.3	-3.4	-9.0	10.0	Manufacture of tobacco products
2.	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut	-97.9	-98.0	2699.2	2813.6	6.7	94.4	4.1	49.8	-15.4	43.3	-23.0	-1.5	-24.7	2.5	7.8	-43.3	5.4	-18.4	Textiles, Wearing Apparel, Leather Products and Footwear
	2.1 0.58	13	Pembuatan tekstil	-11.5	-3.7	17.9	12.9	2.3	39.6	5.0	7.3	9.9	8.1	-6.0	11.1	-1.4	6.5	-2.8	-20.0	-2.3	-18.3	Manufacture of textiles
	2.2 0.60	14	Pembuatan pakaian	2.5	1.1	10.7	9.7	4.7	46.8	6.6	3.8	15.8	6.4	-10.4	3.8	-4.4	2.8	5.1	-13.1	2.8	-15.4	Manufacture of wearing apparel
	2.3 0.15	15	Pembuatan produk kulit dan barangan berkaitan	-20.1	-6.0	9.8	2.5	-0.4	25.2	4.4	6.4	3.0	5.3	1.3	18.4	4.1	10.5	-12.9	-28.4	-10.4	-27.1	Manufacture of leather and related products
3.	4.56		Produk Kayu, Perabot, Keluaran Kertas, Percetakan	-25.9	-13.7	104.7	90.7	5.2	72.7	2.4	21.6	18.0	24.6	-15.2	13.8	-6.7	6.0	20.3	-10.7	19.3	5.9	Wood Products, Furniture, Paper Products, Printing
	3.1 1.44	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman	-23.7	-11.0	27.8	16.6	4.6	39.2	6.9	11.9	8.1	12.0	-12.2	12.4	-4.3	2.5	-1.0	-12.7	0.0	-8.6	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	-23.0	-2.2	42.4	13.1	-0.7	55.9	9.3	11.5	11.1	13.7	-21.1	26.2	-4.5	0.3	-1.7	-11.3	-1.2	-9.5	Manufacture of paper and paper products
	3.3 0.93	18	Percetakan dan penerbitan semula media rakaman	-2.4	13.7	14.0	12.2	10.7	26.4	8.6	8.7	14.4	9.7	-4.9	5.7	-1.8	4.1	2.1	-6.8	-4.7	-6.7	Printing and reproduction of recorded media
4.	1.04	31	Pembuatan perabot	-25.0	-10.7	10.2	8.4	4.2	28.6	1.8	11.7	4.7	7.1	4.8	11.9	-3.2	10.1	-7.0	-10.3	-6.8	-1.6	Manufacture of furniture
	20.60		Produk Petroleum, Kimia, Getah dan Plastik	-45.0	-42.8	52.2	40.9	5.7	46.9	6.3	16.6	0.9	16.8	-24.5	4.9	-7.8	-2.9	1.6	-22.2	13.4	-14.6	Petroleum, Chemical, Rubber and Plastic Products
	4.1 9.36	19	Pembuatan kok dan produk petroleum bertapis	14.3	14.0	1.0	5.9	9.2	29.3	-0.7	-0.8	17.2	0.3	-4.0	-2.0	-3.3	2.7	6.2	-2.6	-0.1	-2.7	Manufacture of coke and refined petroleum products
	4.2 6.37	20	Pembuatan kimia dan produk kimia	24.6	20.0	5.7	14.1	-5.9	34.5	4.3	4.5	13.1	5.8	4.3	-5.2	-0.7	2.4	6.1	-6.8	2.0	-6.7	Manufacture of chemicals and chemical products
5.	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani	3.8	11.1	4.0	4.6	4.5	16.6	4.2	6.5	9.3	5.0	-10.6	6.3	-9.1	7.0	6.7	-6.5	0.5	-4.4	Manufacture of basic pharmaceuticals, medicinal chemical and botanical products
	4.49	22	Pembuatan produk getah dan plastik	8.9	13.0	9.5	8.6	21.5	10.8	9.9	4.9	14.3	7.8	-0.6	3.1	4.3	2.2	0.5	9.1	-7.6	4.1	Manufacture of rubber and plastics products
	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka	12.0	9.3	-8.6	-4.2	44.8	37.2	-12.5	-13.5	32.0	-11.4	-8.1	-5.4	-1.9	-0.9	6.2	5.9	-3.2	4.8	Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products
	5.1 2.97	23	Pembuatan produk galian bukan logam lain	-27.6	-13.0	23.9	13.6	1.2	33.4	5.7	10.9	3.8	10.3	-1.3	20.3	-2.2	10.4	-1.3	-17.6	-1.1	-13.6	Manufacture of other non-metallic mineral products
6.	2.35	24	Pembuatan logam asas	-37.1	-17.6	34.7	16.7	2.5	37.1	6.0	13.8	2.4	12.5	-1.4	34.3	0.4	16.3	-4.3	-26.1	-0.2	-20.7	Manufacture of basic metals
	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan	-30.7	-9.4	22.0	11.4	3.7	21.4	7.2	10.8	1.8	10.6	-2.3	22.2	0.3	11.5	-4.2	-10.0	-2.9	-7.0	Manufacture of fabricated metal products, except machinery and equipment
	18.23		Produk Peralatan Elektrik dan Elektronik	-17.2	-11.7	18.2	13.0	-1.3	39.9	4.6	9.0	6.3	8.6	-0.4	10.1	-5.7	5.3	3.2	-15.6	-0.5	-12.0	Electrical and Electronics Products
	6.1 13.89	26	Pembuatan komputer, produk elektronik dan optikal	-1.7	9.7	17.3	19.2	10.5	27.2	15.3	15.7	14.4	16.2	-10.6	4.3	-10.3	6.0	-7.3	11.9	-8.2	12.2	Manufacture of computer, electronics and optical products
7.	2.20	27	Pembuatan kelengkapan elektrik	-1.6	10.0	18.4	21.5	11.9	29.4	16.8	18.4	15.5	18.3	-10.1	4.4	-10.9	7.1	-10.0	10.3	-9.9	11.8	Manufacture of electrical equipment
	2.14	28	Pembuatan jentera dan peralatan t.t.t.l.	-0.9	4.7	10.9	6.5	7.0	23.2	16.3	9.8	11.4	11.8	-12.5	1.3	-11.6	-2.6	-1.3	13.3	-0.4	7.1	Manufacture of machinery and equipment n.e.c.
	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain	-3.4	13.0	15.8	14.6	5.0	18.2	4.3	4.3	9.9	7.1	-12.4	6.7	-5.1	5.6	8.5	21.2	-2.4	21.2	Transport Equipment and Other Manufactures
	7.1 3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler	-43.8	-34.3	73.6	53.6	7.6	40.0	4.5	26.9	2.4	23.4	-2.0	22.4	-10.4	8.3	3.2	-15.9	4.3	2.1	Manufacture of motor vehicles, trailers and semi-trailers
8.	1.19	30	Pembuatan kelengkapan pengangkutan lain	-55.9	-46.1	129.9	107.1	13.4	46.3	4.5	37.3	2.7	33.6	3.3	22.0	-15.0	9.9	6.0	-17.2	8.3	8.8	Manufacture of other transport equipment
	0.74	32	Pembuatan lain	-23.4	-9.9	22.1	0.4	-0.5	28.9	2.6	10.3	3.1	6.7	-14.4	54.0	-9.2	26.7	0.7	-19.6	0.5	-13.5	Other manufacturing
	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan	-36.8	-33.9	46.7	21.3	1.2	57.5	4.1	15.6	3.4	14.2	-3.3	8.2	0.6	-10.5	-1.1	-13.5	-2.2	-3.9	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. / No.	Wajaran/ Weights 2015	Kod/ Codes	Keterangan/Tempoh	Jun. 2021	Jul. 2021	Aug. 2021	Jun. 2022	Jul. 2022	Aug. 2022	Q4 2020	Q1 2021	Q2 2021	Q4 2021	Q1 2022	Q2 2022	Jan.- Aug. 2020	Jan.- Aug. 2021	Jan.- Aug. 2022	Description/ Period
	68.25	C	PEMBUATAN	126.9	119.1	125.4	145.2	136.9	144.5	126.3	125.3	123.4	137.9	133.2	134.8	112.1	123.8	135.7	MANUFACTURING
1.	45.82		Industri Berorientasikan Eksport	143.9	132.3	134.6	155.1	144.8	151.2	128.3	126.3	130.3	141.4	134.4	139.0	114.9	129.6	139.5	Export Oriented Industries
1.1	3.71	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	110.9	100.9	101.5	97.0	98.6	105.6	97.7	82.8	100.0	106.6	83.1	90.8	110.2	93.8	90.7	Manufacture of vegetable and animal oils and fats
1.2	0.58	13	Pembuatan tekstil	111.9	100.2	104.0	116.0	110.9	114.0	115.6	121.4	105.5	125.9	129.5	109.5	95.5	110.6	117.7	Manufacture of textiles
1.3	0.60	14	Pembuatan pakaian	90.3	91.5	108.3	96.5	100.4	111.0	151.6	132.0	94.5	153.7	137.7	100.5	106.7	109.9	115.7	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	100.3	79.2	100.0	118.1	112.8	113.1	121.2	119.2	105.7	131.9	130.3	117.9	96.1	106.7	121.3	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	117.6	122.6	116.3	130.5	129.6	132.7	107.1	113.7	105.9	116.3	118.6	110.7	99.3	112.2	118.8	Manufacture of coke and refined petroleum products
1.6	6.37	20	Pembuatan kimia dan produk kimia	128.7	115.1	122.3	131.6	119.6	128.0	113.1	120.7	112.9	125.0	125.7	120.1	107.2	117.2	123.1	Manufacture of chemicals and chemical products
1.7	2.22	221	Pembuatan produk getah	267.0	237.3	217.5	203.2	195.9	194.5	212.7	240.3	262.4	188.6	187.7	204.7	171.1	245.4	195.9	Manufacture of rubber products
1.8	2.26	222	Pembuatan produk plastik	142.7	139.0	138.2	147.1	147.6	145.9	129.2	122.9	122.5	139.1	129.5	128.0	110.5	126.7	133.3	Manufacture of plastics products
1.9	13.89	26	Pembuatan komputer, produk elektronik dan optikal	166.2	149.4	155.9	198.4	176.9	189.5	146.1	131.5	145.1	170.6	153.7	171.8	122.8	141.9	167.8	Manufacture of computer, electronics and optical products
1.10	2.20	27	Pembuatan kelengkapan elektrik	150.2	131.4	133.1	164.8	145.6	141.8	123.9	122.3	138.6	142.8	142.2	152.3	117.5	130.9	146.4	Manufacture of electrical equipment
1.11	2.14	28	Pembuatan jentera dan peralatan t.t.t.l.	157.5	138.0	147.3	168.4	159.8	168.9	115.0	124.8	151.3	133.4	130.2	157.7	126.7	139.2	149.1	Manufacture of machinery and equipment n.e.c.
1.12	1.04	31	Pembuatan perabot	99.9	75.5	79.1	124.5	114.8	111.5	140.4	142.7	111.1	133.7	151.7	129.5	113.4	114.5	133.7	Manufacture of furniture
2.	22.44		Industri Berorientasikan Domestik	92.2	92.2	106.7	124.9	120.7	130.8	122.3	123.4	109.2	130.9	130.8	126.2	106.5	112.1	127.8	Domestic Oriented Industries
2.1	3.68	10 (Kecuali 104)	Pembuatan produk prosesan makanan	145.0	150.3	161.8	159.3	165.6	176.6	132.4	136.9	146.1	148.7	149.1	161.4	133.2	145.1	159.2	Manufacture of food processing products
2.2	0.65	11	Pembuatan minuman	83.0	88.0	120.0	132.7	132.8	152.8	122.8	116.3	112.3	137.5	125.1	137.7	102.1	111.7	134.2	Manufacture of beverages
2.3	0.52	12	Pembuatan produk tembakau	3.1	2.4	2.4	90.0	67.8	69.5	113.7	122.6	69.5	121.1	127.6	104.2	85.9	72.6	104.1	Manufacture of tobacco products
2.4	0.15	15	Pembuatan produk kulit dan barangan berkaitan	79.0	67.0	76.2	147.0	137.1	145.4	116.1	139.7	124.7	120.0	143.1	151.6	99.2	117.0	145.8	Manufacture of leather and related products
2.5	1.15	17	Pembuatan kertas dan produk kertas	129.0	122.8	129.8	142.6	139.9	145.6	128.2	130.8	121.9	149.0	142.0	132.5	110.5	126.3	138.6	Manufacture of paper and paper products
2.6	0.93	18	Percetakan dan penerbitan semula media rakaman	94.2	98.8	110.6	112.5	108.9	119.8	128.5	119.5	107.2	130.5	121.7	119.7	106.2	111.2	119.1	Printing and reproduction of recorded media
2.7	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani	166.1	165.1	170.3	173.4	180.8	184.9	141.5	142.1	155.1	169.1	156.2	162.7	134.2	153.4	165.3	Manufacture of basic pharmaceuticals, medicinal chemical and botanical products
2.8	2.97	23	Pembuatan produk galian bukan logam lain	70.8	69.8	93.7	93.6	94.0	109.3	122.6	117.3	86.7	124.7	124.4	98.7	94.7	96.9	109.0	Manufacture of other non-metallic mineral products
2.9	2.35	24	Pembuatan logam asas	93.6	91.5	111.8	111.3	111.6	124.5	120.7	115.6	104.1	127.7	123.9	115.3	105.9	107.8	119.2	Manufacture of basic metals
2.10	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan	86.3	86.0	94.7	107.7	101.6	107.0	111.5	115.0	97.1	121.0	120.3	105.9	96.1	102.1	110.9	Manufacture of fabricated metal products, except machinery and equipment
2.11	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler	55.2	57.0	69.6	154.1	131.1	144.1	127.5	135.2	111.9	130.4	141.2	153.7	105.7	108.5	145.0	Manufacture of motor vehicles, trailers and semi-trailers
2.12	1.19	30	Pembuatan kelengkapan pengangkutan lain	80.2	68.7	105.7	92.3	83.8	106.2	103.9	104.6	84.1	106.8	107.3	92.8	89.8	92.6	98.8	Manufacture of other transport equipment
2.13	0.74	32	Pembuatan lain	78.9	76.3	82.6	111.3	112.0	100.2	116.4	115.1	99.6	122.5	119.9	115.2	97.1	100.4	114.7	Other manufacturing
1.13	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan	106.3	108.4	110.1	128.3	130.2	128.4	123.7	122.3	113.2	133.2	131.4	128.1	116.3	115.6	129.7	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. / No.	Wajaran/ Weights 2015	Kod/ Codes	Keterangan/Tempoh	% Perubahan tahun ke tahun/ Change year-on-year								% Perubahan bulan ke bulan/ Change month-on-month				% Perubahan suku tahun ke suku tahun/ Change quarter-on-quarter				Description/ Period			
				Jul. 2021	Aug. 2021	Jul. 2022	Aug. 2022	Q1 2021	Q2 2021	Q1 2022	Q2 2022	Jan.- Aug. 2021	Jan.- Aug. 2022	Jul. 2021	Aug. 2021	Jul. 2022	Aug. 2022	Q1 2021	Q2 2021		Q1 2022	Q2 2022	
82	1.	68.25 45.82	C	PEMBUATAN Industri Berorientasikan Eksport	-6.5 1.9	0.6 7.6	14.9 9.5	15.2 12.4	6.8 7.5	26.3 25.4	6.3 6.5	9.3 6.7	10.4 12.8	9.6 7.7	-6.1 -8.0	5.3 1.7	-5.7 -6.6	5.6 4.4	-0.8 -1.6	-1.5 3.2	-3.4 -4.9	1.2 3.4	MANUFACTURING Export Oriented Industries
	1.1	3.71	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-16.1	-15.8	-2.3	4.0	-13.2	-15.5	0.4	-9.2	-14.9	-3.3	-9.0	0.6	1.7	7.1	-15.3	20.8	-22.1	9.2	Manufacture of vegetable and animal oils and fats
	1.2	0.58	13	Pembuatan tekstil	2.5	1.1	10.7	9.7	4.7	46.8	6.6	3.8	15.8	6.4	-10.4	3.8	-4.4	2.8	5.1	-13.1	2.8	-15.4	Manufacture of textiles
	1.3	0.60	14	Pembuatan pakaian	-20.1	-6.0	9.8	2.5	-0.4	25.2	4.4	6.4	3.0	5.3	1.3	18.4	4.1	10.5	-12.9	-28.4	-10.4	-27.1	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	-23.0	-2.2	42.4	13.1	-0.7	55.9	9.3	11.5	11.1	13.7	-21.1	26.2	-4.5	0.3	-1.7	-11.3	-1.2	-9.5	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	24.6	20.0	5.7	14.1	-5.9	34.5	4.3	4.5	13.1	5.8	4.3	-5.2	-0.7	2.4	6.1	-6.8	2.0	-6.7	Manufacture of coke and refined petroleum products
	1.6	6.37	20	Pembuatan kimia dan produk kimia	3.8	11.1	4.0	4.6	4.5	16.6	4.2	6.5	9.3	5.0	-10.6	6.3	-9.1	7.0	6.7	-6.5	0.5	-4.4	Manufacture of chemicals and chemical products
	1.7	2.22	221	Pembuatan produk getah	14.6	8.6	-17.5	-10.6	69.7	46.6	-21.9	-22.0	43.4	-20.1	-11.1	-8.3	-3.6	-0.7	13.0	9.2	-0.5	9.1	Manufacture of rubber products
	1.8	2.26	222	Pembuatan produk plastik	7.9	10.5	6.2	5.6	13.0	20.9	5.4	4.5	14.6	5.2	-2.6	-0.6	0.3	-1.1	-4.8	-0.4	-6.9	-1.2	Manufacture of plastics products
	1.9	13.89	26	Pembuatan komputer, produk elektronik dan optikal	-1.6	10.0	18.4	21.5	11.9	29.4	16.8	18.4	15.5	18.3	-10.1	4.4	-10.9	7.1	-10.0	10.3	-9.9	11.8	Manufacture of computer, electronics and optical products
	1.10	2.20	27	Pembuatan kelengkapan elektrik	-0.9	4.7	10.9	6.5	7.0	23.2	16.3	9.8	11.4	11.8	-12.5	1.3	-11.6	-2.6	-1.3	13.3	-0.4	7.1	Manufacture of electrical equipment
	1.11	2.14	28	Pembuatan jentera dan peralatan t.t.t.l.	-3.4	13.0	15.8	14.6	5.0	18.2	4.3	4.3	9.9	7.1	-12.4	6.7	-5.1	5.6	8.5	21.2	-2.4	21.2	Manufacture of machinery and equipment n.e.c.
	1.12	1.04	31	Pembuatan perabot	-45.0	-42.8	52.2	40.9	5.7	46.9	6.3	16.6	0.9	16.8	-24.5	4.9	-7.8	-2.9	1.6	-22.2	13.4	-14.6	Manufacture of furniture
2.	22.44		Industri Berorientasikan Domestik	-24.7	-13.8	30.9	22.5	5.3	28.7	6.1	15.6	5.2	14.1	-0.04	15.8	-3.4	8.4	0.9	-11.5	0.0	-3.5	Domestic Oriented Industries	
2.1	3.68	10 (Kecuali 104)	Pembuatan produk prosesan makanan	4.9	10.3	10.2	9.1	8.6	10.1	8.9	10.5	8.9	9.7	3.6	7.6	4.0	6.6	3.4	6.7	0.3	8.2	Manufacture of food processing products	
2.2	0.65	11	Pembuatan minuman	-20.7	-0.1	50.9	27.3	1.8	38.6	7.6	22.5	9.4	20.2	6.0	36.4	0.01	15.1	-5.3	-3.4	-9.0	10.0	Manufacture of beverages	
2.3	0.52	12	Pembuatan produk tembakau	-97.9	-98.0	2699.2	2813.6	6.7	94.4	4.1	49.8	-15.4	43.3	-23.0	-1.5	-24.7	2.5	7.8	-43.3	5.4	-18.4	Manufacture of tobacco products	
2.4	0.15	15	Pembuatan produk kulit dan barangan berkaitan	-25.9	-13.7	104.7	90.7	5.2	72.7	2.4	21.6	18.0	24.6	-15.2	13.8	-6.7	6.0	20.3	-10.7	19.3	5.9	Manufacture of leather and related products	
2.5	1.15	17	Pembuatan kertas dan produk kertas	-2.4	13.7	14.0	12.2	10.7	26.4	8.6	8.7	14.4	9.7	-4.9	5.7	-1.8	4.1	2.1	-6.8	-4.7	-6.7	Manufacture of paper and paper products	
2.6	0.93	18	Percetakan dan penerbitan semula media rakaman	-25.0	-10.7	10.2	8.4	4.2	28.6	1.8	11.7	4.7	7.1	4.8	11.9	-3.2	10.1	-7.0	-10.3	-6.8	-1.6	Printing and reproduction of recorded media	
2.7	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani	8.9	13.0	9.5	8.6	21.5	10.8	9.9	4.9	14.3	7.8	-0.6	3.1	4.3	2.2	0.5	9.1	-7.6	4.1	Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	
2.8	2.97	23	Pembuatan produk galian bukan logam lain	-37.1	-17.6	34.7	16.7	2.5	37.1	6.0	13.8	2.4	12.5	-1.4	34.3	0.4	16.3	-4.3	-26.1	-0.2	-20.7	Manufacture of other non-metallic mineral products	
2.9	2.35	24	Pembuatan logam asas	-30.7	-9.4	22.0	11.4	3.7	21.4	7.2	10.8	1.8	10.6	-2.3	22.2	0.3	11.5	-4.2	-10.0	-2.9	-7.0	Manufacture of basic metals	
2.10	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan	-17.2	-11.7	18.2	13.0	-1.3	39.9	4.6	9.0	6.3	8.6	-0.4	10.1	-5.7	5.3	3.2	-15.6	-0.5	-12.0	Manufacture of fabricated metal products, except machinery and equipment	
2.11	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler	-55.9	-46.1	129.9	107.1	13.4	46.3	4.5	37.3	2.7	33.6	3.3	22.0	-15.0	9.9	6.0	-17.2	8.3	8.8	Manufacture of motor vehicles, trailers and semi-trailers	
2.12	1.19	30	Pembuatan kelengkapan pengangkutan lain	-23.4	-9.9	22.1	0.4	-0.5	28.9	2.6	10.3	3.1	6.7	-14.4	54.0	-9.2	26.7	0.7	-19.6	0.5	-13.5	Manufacture of other transport equipment	
2.13	0.74	32	Pembuatan lain	-36.8	-33.9	46.7	21.3	1.2	57.5	4.1	15.6	3.4	14.2	-3.3	8.2	0.6	-10.5	-1.1	-13.5	-2.2	-3.9	Other manufacturing	
1.13	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan	-23.6	-21.6	20.1	16.6	1.0	19.4	7.5	13.2	-0.6	12.1	1.9	1.6	1.4	-1.3	-1.1	-7.5	-1.3	-2.5	Repair and installation of machinery and equipment	

A blue rounded rectangular box with a slight 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_i ialah indeks untuk item 'i'

R_i ialah relatif produk untuk item 'i' bagi bulan berkenaan

W_i 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 melaras 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 used to update the IPI weights for the electricity sector.
- 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 Energy Berhad (SEB).

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_i is the index for item 'i'

R_i is the product relative for item 'i' for the reference month

W_i 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/ MSIC 2008	Keterangan/ Description
1	104	10401 Pembuatan minyak sawit mentah <i>Manufacture of crude palm oil</i>
		10402 Pembuatan minyak sawit bertapis <i>Manufacture of refined palm oil</i>
		10403 Pembuatan minyak isirong <i>Manufacture of palm kernel oil</i>
		10404 Pembuatan minyak sayuran mentah dan bertapis <i>Manufacture of crude and refined vegetable oil</i>
		10406 Pembuatan sebatian lemak masakan <i>Manufacture of compound cooking fats</i>
2	105	10501 Pembuatan aiskrim dan ais lain yang boleh dimakan seperti sorbet <i>Manufacture of ice cream and other edible ice such as sorbet</i>
		10502 Pembuatan susu pekat, tepung dan sejat <i>Manufacture of condensed, powdered and evaporated milk</i>
3	106	10611 Pengilangan beras <i>Rice milling</i>
		10613 Pengilangan tepung <i>Flour milling</i>
4	107	10711 Pembuatan biskut dan cookies <i>Manufacture of biscuits and cookies</i>
		10712 Pembuatan roti, kek dan produk bakeri lain <i>Manufacture of bread, cakes and other bakery products</i>
		10713 Pembuatan produk snek <i>Manufacture of snack products</i>
		10721 Pembuatan gula <i>Manufacture of sugar</i>
		10731 Pembuatan produk koko <i>Manufacture of cocoa products</i>
		10732 Pembuatan coklat dan produk coklat <i>Manufacture of chocolate and chocolate products</i>
		10733 Pembuatan konfeksi gula <i>Manufacture of sugar confectionery</i>
		10741 Pembuatan bihun, mi dan produk lain yang berkaitan <i>Manufacture of meehoon, noodles and other related product</i>
		10750 Pembuatan makanan dan hidangan tersedia <i>Manufacture of prepared meals and dishes</i>
		10791 Pembuatan kopi <i>Manufacture of coffee</i>

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



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



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



Bil/ No. Kumpulan/ MSIC 2008 Group			Keterangan/ Description
		23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l. <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. <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 <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 <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 <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. <i>Manufacture of other basic iron and steel products n.e.c.</i>
24	242	24201	Peleburan timah <i>Tin smelting</i>
		24202	Pengeluaran aluminium daripada alumina <i>Production of aluminium from alumina</i>
		24209	Pembuatan logam asas berharga dan logam bukan ferus lain t.t.t.l. <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 <i>Manufacture of metal doors, windows and their frames, shutters and gates</i>
		25119	Pembuatan produk struktur logam lain <i>Manufacture of other structural metal products</i>
		25120	Pembuatan tangki, takungan dan kontena daripada logam <i>Manufacture of tanks, reservoirs and containers of metal</i>
26	259	25910	Tempaan, tekanan, hentakan dan bentuk gelek logam; serbuk metalurgi <i>Forging, pressing, stamping and roll-forming of metal; powder metallurgy</i>
		25920	Rawatan dan penyalutan logam; menggunakan mesin <i>Treatment and coating of metals; machining</i>
		25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat <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 <i>Manufacture of metal cable, plaited bands and similar articles</i>
		25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya <i>Manufacture of bolts, screws, nuts and similar threaded products</i>
		25999	Pembuatan produk lain yang direka daripada logam t.t.t.l. <i>Manufacture of any other fabricated metal products n.e.c.</i>
27	261	26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya <i>Manufacture of diodes, transistors and similar semiconductor devices</i>



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



		28160	Pembuatan kelengkapan mengangkat dan mengendali <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 <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 <i>Manufacture of air-conditioning machines, including for motor vehicles</i>
38	282	28220	Pembuatan jentera pembentukan logam dan alatan mesin <i>Manufacture of metal-forming machinery and machine tools</i>
		28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. <i>Manufacture of other special-purpose machinery n.e.c.</i>
39	291	29101	Pembuatan kereta penumpang <i>Manufacture of passenger cars</i>
40	293	29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>
41	301	30110	Pembinaan kapal dan struktur terapung <i>Building of ships and floating structures</i>
42	303	30300	Pembuatan pesawat dan kapal angkasa dan jentera berkaitan <i>Manufacture of air and spacecraft and related machinery</i>
43	309	30910	Pembuatan motosikal <i>Manufacture of motorcycles</i>
44	310	31001	Pembuatan perabot kayu dan rotan <i>Manufacture of wooden and cane furniture</i>
45	331	33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal <i>Repair and maintenance of transport equipment except motorcycles and</i>

