



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

PERANGKAAN PEMBUATAN BULANAN

MONTHLY MANUFACTURING STATISTICS

APRIL 2024
APRIL

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PEMAKLUMAN / ANNOUNCEMENT

Jabatan Perangkaan Malaysia (DOSM) telah melancarkan OpenDOSM NextGen sebagai medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data dan boleh diakses melalui portal <https://open.dosm.gov.my>.

DOSM akan menjalankan Banci Pertanian pada tahun 2024. Mohon layari <https://www.myagricensus.gov.my> untuk maklumat lanjut. Tema adalah "Banci Pertanian, Kunci Kemajuan Pertanian".

Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Statistik Nadi Kehidupan".

The Department of Statistics Malaysia (DOSM) has launched OpenDOSM NextGen as a medium that provides a catalog of data and visualisations to facilitate users' analysis of various data and can be accessed through <https://open.dosm.gov.my>.

DOSM will conduct the Agricultural Census in 2024. Please visit <https://www.myagricensus.gov.my> for more information. The theme is "Agriculture Census, Key to Agricultural Development".

The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20th each year. MyStats Day theme is "Statistics is the Essence of Life".

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DEPARTMENT OF STATISTICS MALAYSIA

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Penerbitan ini memaparkan perangkaan nilai jualan, bilangan pekerja bergaji dan gaji & upah secara bulanan berdasarkan Survei Pembuatan Bulanan. Objektif utama penerbitan ini adalah untuk menyediakan data aliran terkini sektor Pembuatan bagi membantu pengguna dalam perancangan, penggubalan dasar dan membuat keputusan.

Ringkasan penemuan dan jadual perangkaan yang terperinci masing-masing dipaparkan pada bahagian pertama dan kedua penerbitan ini. Sementara itu, aspek-aspek teknikal yang digunakan seperti skop dan liputan dan konsep dan definisi juga disediakan pada Bahagian ketiga bagi membantu pengguna memahami statistik yang diterbitkan.

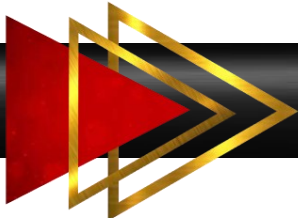
Jabatan Perangkaan Malaysia merakamkan penghargaan atas kerjasama yang diberikan oleh responden dan juga semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam menjayakan penerbitan ini. Sebarang maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat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

Dato' Sri Dr. Mohd Uzir Mahidin

Ketua Perangkawan Malaysia

Jun 2024





PREFACE

This publication presents monthly statistics on sales value, number of employees and salaries & wages based on the Monthly Manufacturing Survey. The main objective of this publication is to provide statistics on the latest trends of the Manufacturing sector to assist users in the planning, formulation of policies and decision making.

The summary findings and detailed statistical tables are highlighted in the first and second part of this publication respectively. Meanwhile, the technical aspects used such as scope and coverage and concepts and definitions are provided in the third part to assist users to understand the published statistics.

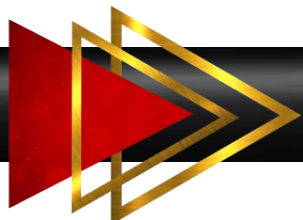
The Department of Statistics, Malaysia gratefully acknowledges the co-operation rendered by the respondents as well as all parties who have contributed directly and indirectly in making this publication a success. Any feedback and suggestion towards improving future publication is highly appreciated.

Dato' Sri Dr. Mohd Uzir Mahidin

Chief Statistician Malaysia

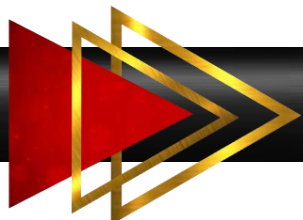
June 2024





KANDUNGAN / CONTENTS

	Muka Surat Page
Kata Pengantar / Preface	i - ii
Kandungan / Contents	iii - iv
Kalendar Awalan Keluaran 2024 / Advance Release Calendar 2024	v
Penemuan Utama / Main Findings	
Ringkasan Penemuan Perangkaan Pembuatan Bulanan (PPB), April 2024 <i>Summary of Findings Monthly Manufacturing Statistics (MMS), April 2024</i>	1 - 8
Jadual / Tables	
1 Perangkaan Utama Bagi Sektor Pembuatan <i>Principal Statistics of Manufacturing Sector</i>	9
1.1a Nilai Jualan Sektor Pembuatan Mengikut Subsektor <i>Sales Value of Manufacturing Sector by Sub-sector</i>	10 - 11
1.1b Nilai Jualan Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan <i>Sales Value of Manufacturing Sector by Sub-sector: Annual Percentage Change</i>	12 - 13
1.1c Nilai Jualan Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan <i>Sales Value of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change</i>	14 - 15
1.2a Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor <i>Number of Paid Employees of Manufacturing Sector by Sub-sector</i>	16 - 19
1.2b Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan <i>Number of Paid Employees of Manufacturing Sector by Sub-sector: Annual Percentage Change</i>	20 - 21
1.2c Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan <i>Number of Paid Employees of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change</i>	22 - 23
1.3a Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor <i>Salaries and Wages Paid of Manufacturing Sector by Sub-sector</i>	24 - 25
1.3b Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan <i>Salaries and Wages Paid of Manufacturing Sector by Sub-sector: Annual Percentage Change</i>	26 - 27



KANDUNGAN / CONTENTS

Muka Surat Page

Jadual / Tables

1.3c	Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan <i>Salaries and Wages Paid of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change</i>	28 - 29
1.4a	Nilai Jualan Sektor Pembuatan Mengikut Kumpulan <i>Sales Value of Manufacturing Sector by Group</i>	30 - 45
1.4b	Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan <i>Sales Value of Manufacturing Sector by Group: Annual Percentage Change</i>	46 - 53
1.4c	Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan <i>Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change</i>	54 - 61
1.5a	Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan <i>Number of Paid Employees of Manufacturing Sector by Group</i>	62 - 77
1.5b	Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan <i>Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change</i>	78 - 85
1.5c	Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan <i>Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change</i>	86 - 93
1.6a	Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan <i>Salaries and Wages Paid of Manufacturing Sector by Group</i>	94 - 109
1.6b	Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan <i>Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change</i>	110 - 117
1.6c	Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan <i>Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change</i>	118 - 125
2	Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih <i>Production of Major Products in Selected Manufacturing Industries</i>	126 - 134

Nota Teknikal / Technical Notes

135 - 148



KALENDAR KELUARAN AWALAN 2024 / ADVANCE RELEASE CALENDAR 2024

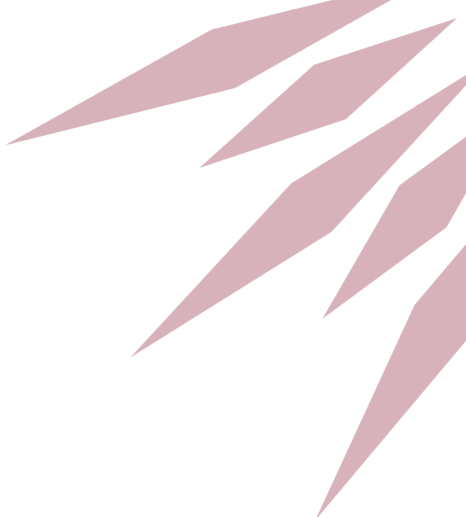
Bulan rujukan / <i>Reference month</i>	Tarikh / <i>Date</i>
Januari 2024 / <i>January 2024</i>	12.03.2024
Februari 2024 / <i>February 2024</i>	08.04.2024
Mac 2024 / <i>March 2024</i>	10.05.2024
April 2024 / <i>April 2024</i>	10.06.2024
Mei 2024 / <i>May 2024</i>	12.07.2024
Jun 2024 / <i>June 2024</i>	09.08.2024
Julai 2024 / <i>July 2024</i>	10.09.2024
Ogos 2024 / <i>August 2024</i>	11.10.2024
September 2024 / <i>September 2024</i>	08.11.2024
Oktober 2024 / <i>October 2024</i>	10.12.2024
November 2024 / <i>November 2024</i>	11.01.2025
Disember 2024 / <i>December 2024</i>	07.02.2025

Nota / *Notes:*

Kenyataan akhbar dihantar kepada pihak media pada tarikh pengeluaran dengan masa embargo ditetapkan bagi penyiaran. Kenyataan akhbar tersebut disiarkan selepas masa embargo di portal Jabatan Perangkaan Malaysia (<http://www.dosm.gov.my>)

A press statement is issued to the media on the date of release with a specified embargo time for release. The press statement is posted after the embargo time on the portal of Department of Statistics Malaysia (<http://www.dosm.gov.my>)

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RINGKASAN PENEMUAN

Summary of Findings



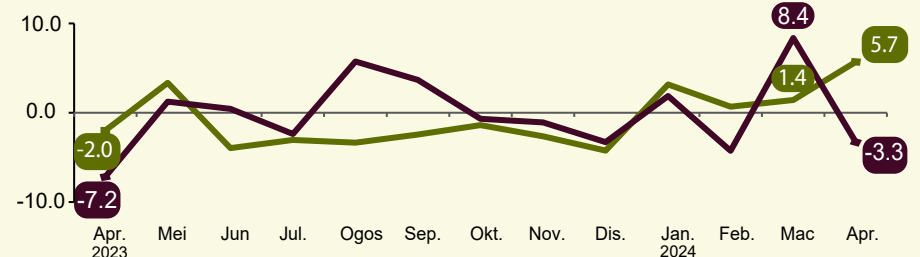
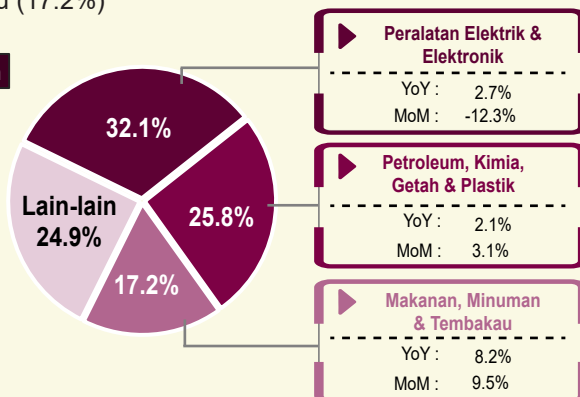
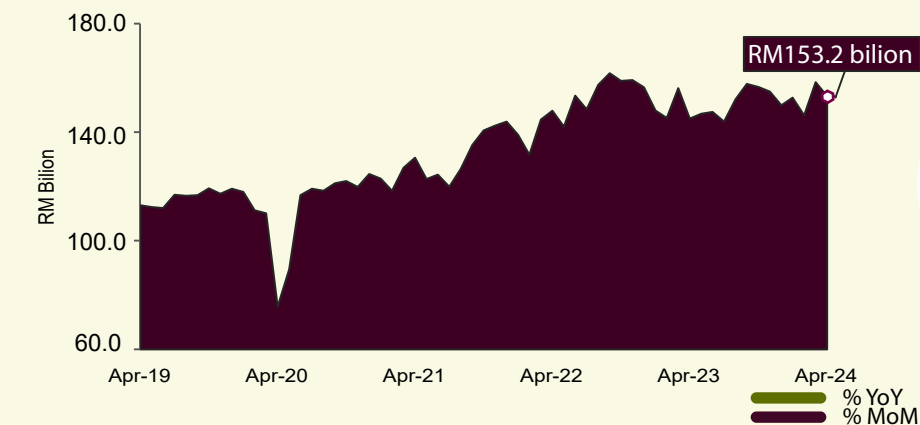
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PERANGKAAAN PEMBUATAN APRIL 2024

Nilai Jualan Sektor Pembuatan, April 2024

Nilai jualan sektor Pembuatan meningkat sebanyak **5.7 peratus**, mencapai nilai **RM153.2 billion** pada April 2024

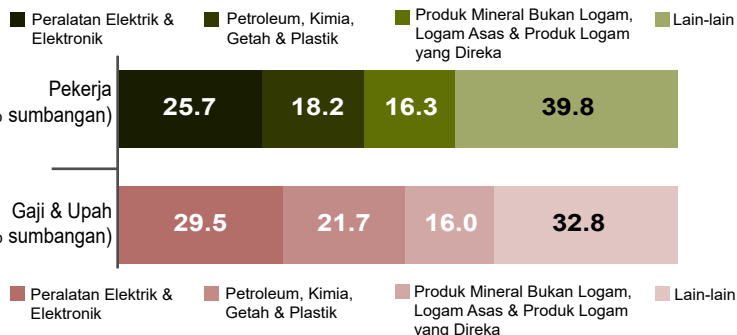
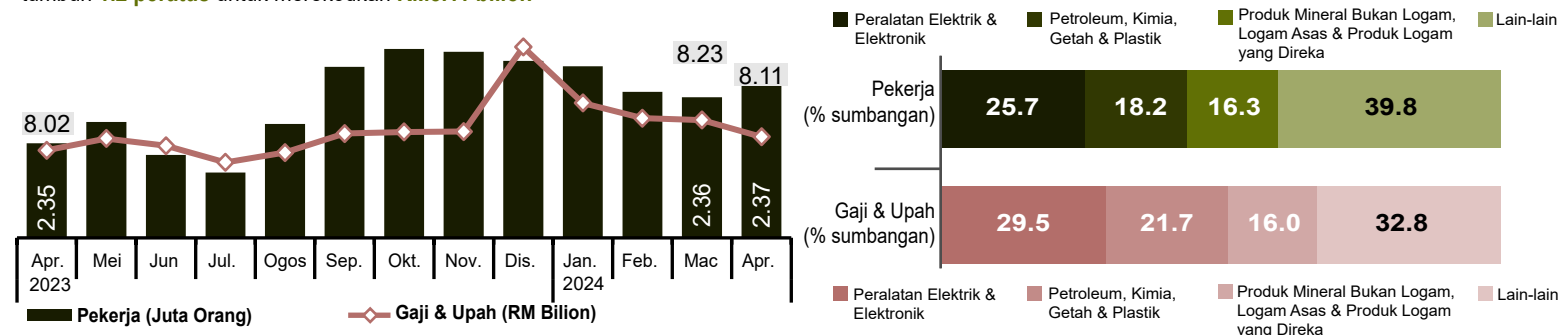
Lebih dua pertiga daripada nilai jualan Pembuatan disumbangkan oleh subsektor Peralatan Elektrik & Elektronik (32.1%); Petroleum, Kimia, Getah & Plastik (25.8%); dan Makanan, Minuman & Tembakau (17.2%)



Subsektor dengan pertumbuhan tahun ke tahun tertinggi bagi nilai jualan, April 2024		
Kelengkapan Pengangkutan & Pembuatan Lain	Produk Mineral Bukan Logam, Logam Asas & Produk Logam yang Direka	Makanan, Minuman & Tembakau
YoY : 16.9%	YoY : 12.8%	YoY : 8.2%
MoM : -1.4%	MoM : -3.3%	MoM : 9.5%

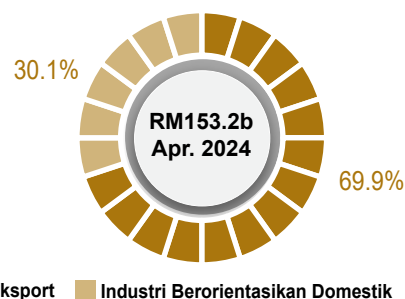
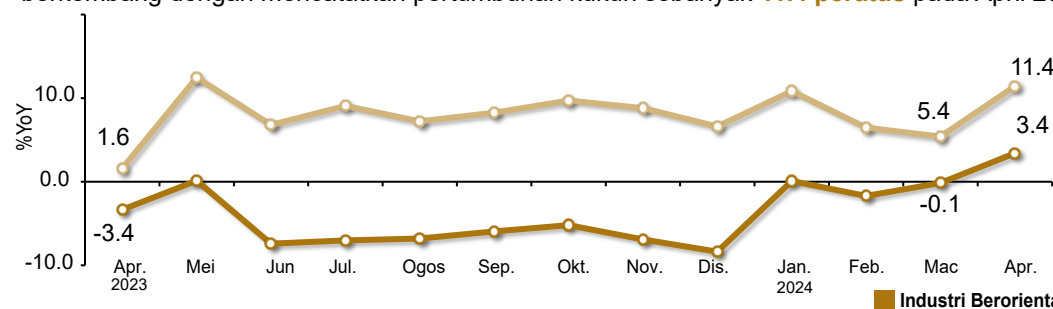
Bilangan Pekerja dan Gaji & Upah, April 2024

Seramai **2.37 juta orang pekerja** terlibat dalam sektor Pembuatan pada April 2024, yang meningkat **1.0 peratus** tahun ke tahun dengan gaji & upah yang dibayar tumbuh **1.2 peratus** untuk merekodkan **RM8.11 billion**



Industri Berorientasikan Eksport and Domestik

Nilai jualan industri berorientasikan eksport meningkat sebanyak **3.4 peratus** manakala industri berorientasikan domestik terus berkembang dengan mencatatkan pertumbuhan kukuh sebanyak **11.4 peratus** pada April 2024



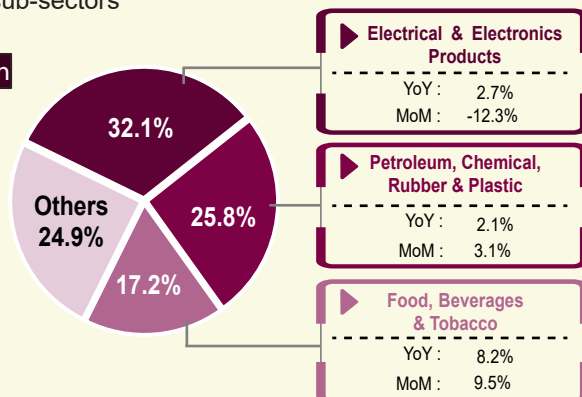
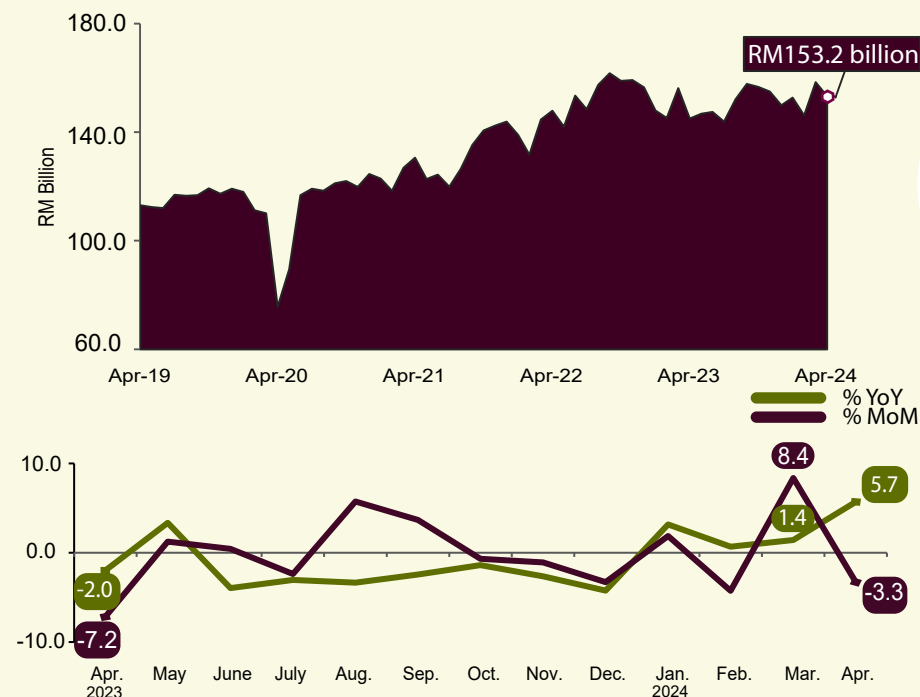


MANUFACTURING STATISTICS APRIL 2024

Sales Value of the Manufacturing Sector, April 2024

The sales value of the Manufacturing sector rose by **5.7 per cent**, reaching a value of **RM153.2 billion** in April 2024

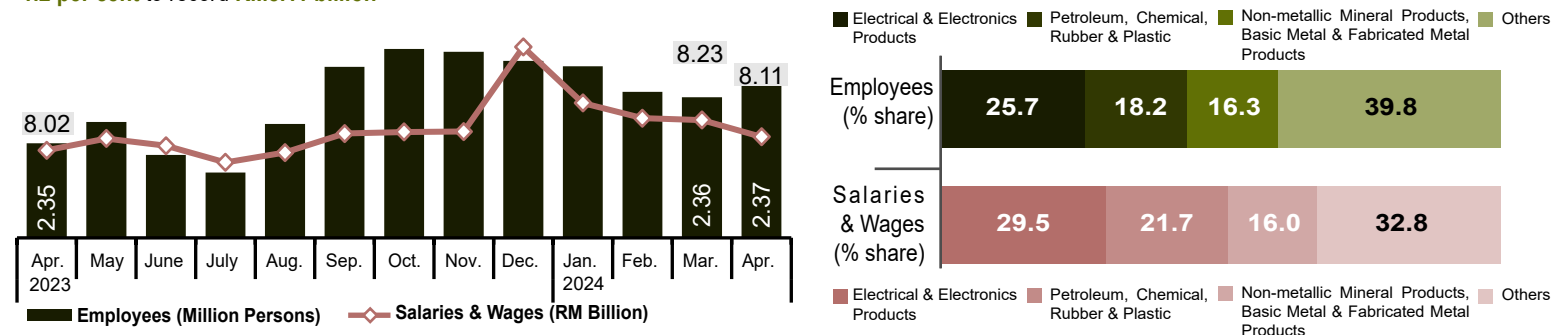
More than two-thirds of Manufacturing sales value was contributed by Electrical & Electronics Products (32.1%); Petroleum, Chemical, Rubber & Plastic (25.8%); and Food, Beverages & Tobacco (17.2%) sub-sectors



Sub-sectors with the highest year-on-year growth, April 2024		
Transport Equipment & Other Manufactures	Non-metallic Mineral Products, Basic Metal & Fabricated Metal Products	Food, Beverages & Tobacco
YoY : 16.9%	YoY : 12.8%	YoY : 8.2%
MoM : -1.4%	MoM : -3.3%	MoM : 9.5%

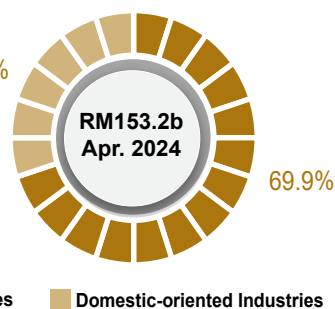
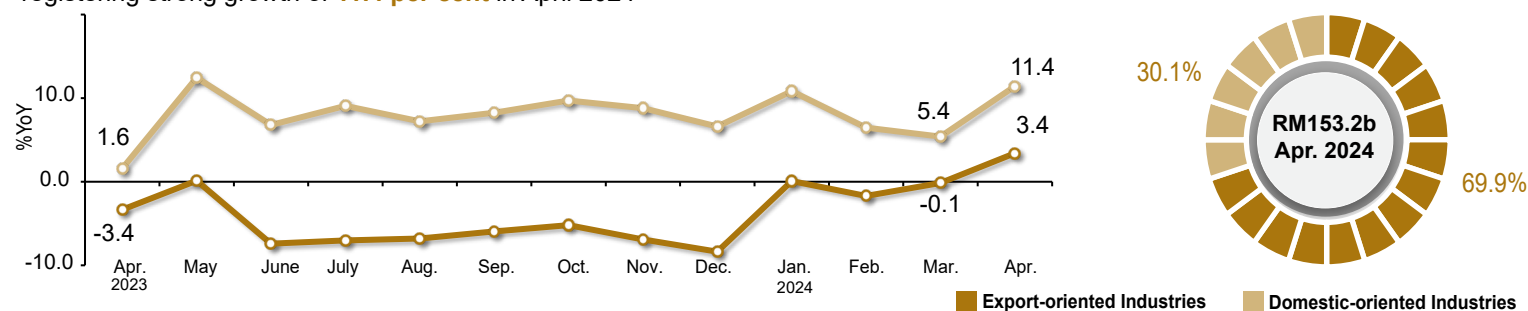
Number of Employees and Salaries & Wages, April 2024

There were **2.37 million persons** engaged in the Manufacturing sector in April 2024, which rose by **1.0 per cent** year-on-year with salaries & wages paid grew by **1.2 per cent** to record **RM8.11 billion**



Export and Domestic-oriented Industries

The sales value of export-oriented industries turned upward by **3.4 per cent** while the domestic-oriented industries strengthened further by registering strong growth of **11.4 per cent** in April 2024

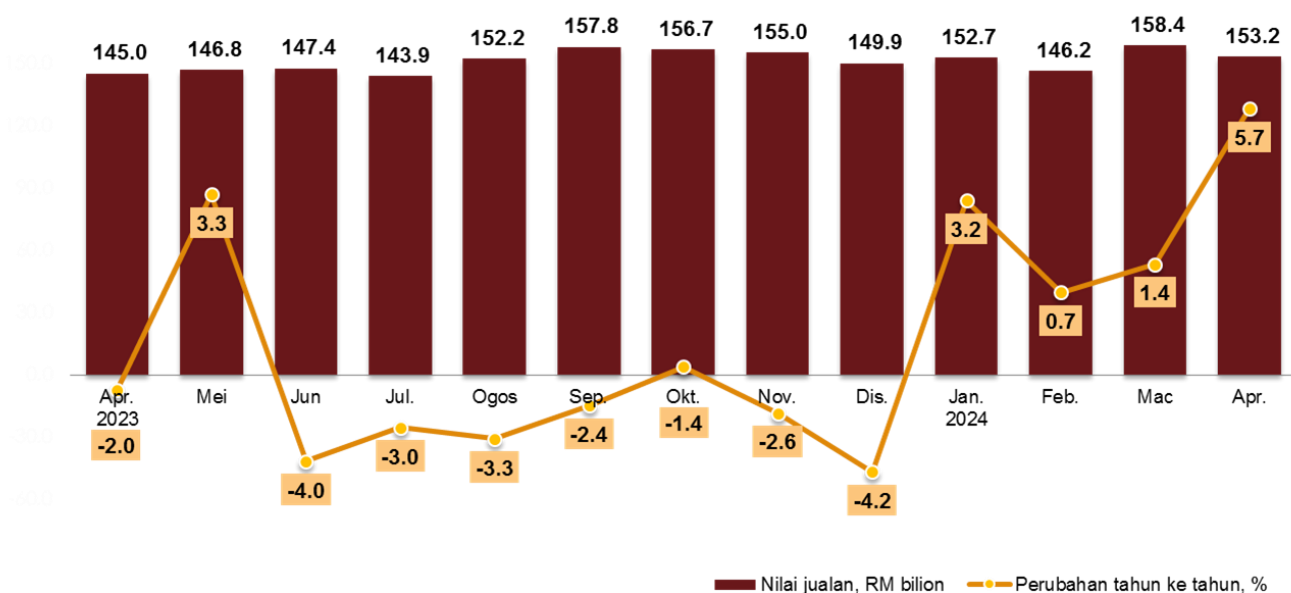


1.0 NILAI JUALAN SEKTOR PEMBUATAN

Nilai jualan sektor Pembuatan meningkat sebanyak 5.7 peratus kepada RM153.2 bilion pada April 2024, mencatatkan pertumbuhan tertinggi dalam tempoh 13 bulan berikutan kesan nilai asas yang lebih rendah seperti di Carta 1. Namun begitu, nilai jualan sektor Pembuatan menguncup 3.3 peratus daripada RM158.4 bilion yang dicatatkan pada bulan sebelumnya. Sebaliknya, nilai jualan pelarasan bermusim meningkat 1.1 peratus berbanding bulan sebelumnya.

Kenaikan tersebut didorong terutamanya oleh nilai jualan dalam subsektor Kelengkapan pengangkutan & pembuatan lain (16.9%); Produk mineral bukan logam, logam asas & produk logam yang direka (12.8%); dan Peralatan elektrik & elektronik (2.7%).

Carta 1: Nilai Jualan Sektor Pembuatan, April 2023 - April 2024



* Nota:

- Laporan ini boleh diperoleh daripada laman portal Jabatan Perangkaan Malaysia (<https://www.dosm.gov.my>) di bawah ruangan: **Siaran Terkini**.
- Data bagi bulan April 2024 merupakan data **awalan**. Data ini akan dikemaskini berdasarkan data terkini yang diperoleh dan akan diterbitkan dalam penerbitan bulan Mei 2024.

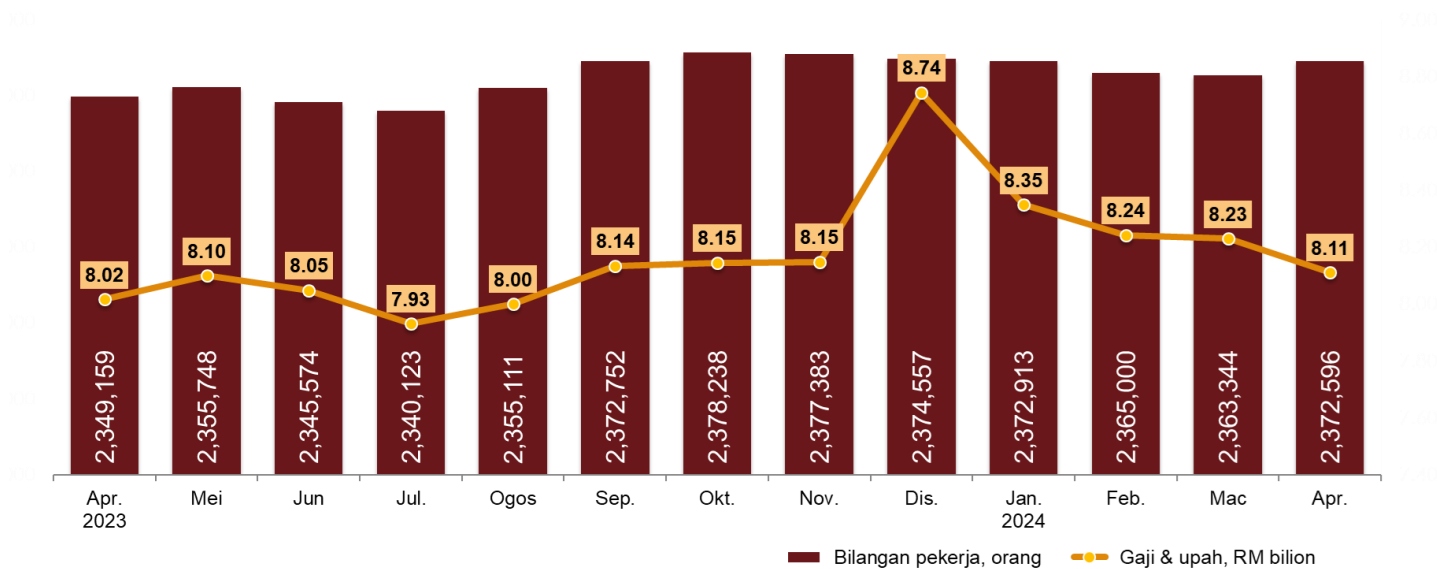
2.0 BILANGAN PEKERJA

Seramai 2.37 juta orang pekerja terlibat dalam sektor Pembuatan pada April 2024, yang meningkat 1.0 peratus berbanding 2.35 juta orang yang direkodkan setahun lalu (Mac 2024: 0.5%). Kenaikan itu sebahagian besarnya dalam subsektor Makanan, minuman & tembakau (4.7%); Produk mineral bukan logam, logam asas & produk logam yang direka (2.3%); dan Kayu, perabot, keluaran kertas & percetakan (1.3%). Berbanding bulan sebelumnya, bilangan pekerja dalam sektor ini meningkat secara marginal 0.4 peratus.

3.0 GAJI & UPAH

Gaji & upah yang dibayar dalam sektor Pembuatan tumbuh 1.2 peratus tahun ke tahun untuk merekodkan RM8.11 bilion pada April 2024 seperti di Carta 2. Bagi perbandingan bulan ke bulan, gaji & upah terus menurun sebanyak 1.4 peratus daripada RM8.23 bilion yang direkodkan pada Mac 2024.

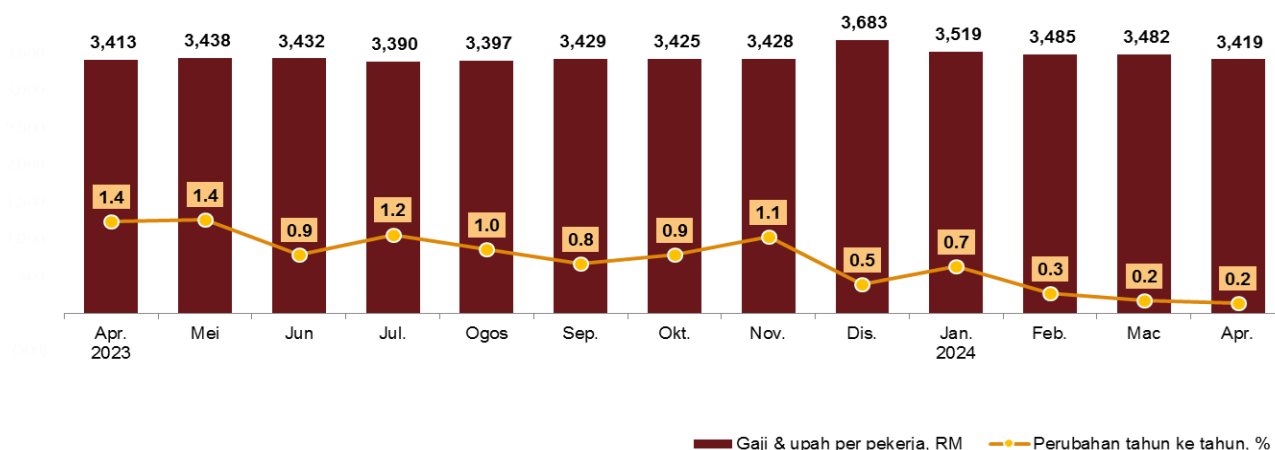
Carta 2: Bilangan Pekerja dan Gaji & Upah Sektor Pembuatan, April 2023 - April 2024



4.0 PURATA GAJI & UPAH PER PEKERJA

Purata gaji & upah bagi setiap pekerja pada April 2024 adalah RM3,419 yang meningkat secara marginal sebanyak 0.2 peratus tahun ke tahun (April 2023: RM3,413) seperti yang dipaparkan di Carta 3. Sementara itu, purata gaji & upah bagi setiap pekerja susut sebanyak 1.8 peratus berbanding bulan sebelum (Mac 2024: RM3,482).

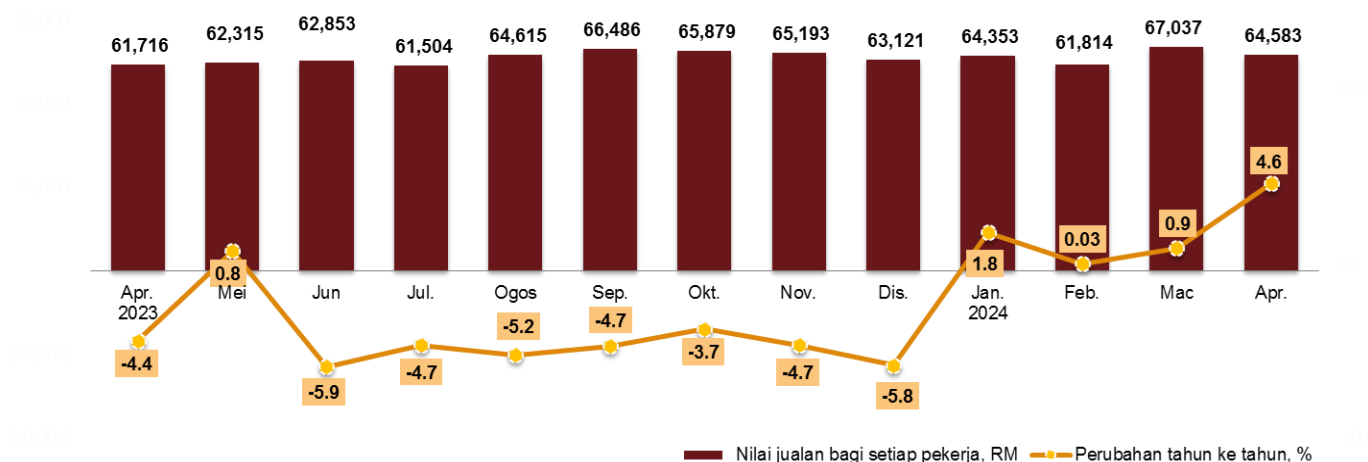
Carta 3: Gaji & Upah Per Pekerja Sektor Pembuatan, April 2023 - April 2024



5.0 NILAI JUALAN PER PEKERJA

Nilai jualan bagi setiap pekerja pada April 2024 meningkat sebanyak 4.6 peratus untuk merekodkan RM64,583 berbanding RM61,716 pada bulan yang sama tahun sebelumnya (Carta 4). Sementara itu, purata nilai jualan bagi setiap pekerja berkurang 3.7 peratus berbanding Mac 2024.

Carta 4: Nilai Jualan Per Pekerja Sektor Pembuatan, April 2023 - April 2024



6.0 PRESTASI BAGI TEMPOH JANUARI - APRIL 2024

Prestasi keseluruhan nilai jualan sektor Pembuatan bagi empat bulan pertama tahun 2024 mencapai RM610.6 bilion, meningkat sebanyak 2.7 peratus berbanding tempoh yang sama pada tahun 2023 (Januari - April 2023: 5.5%). Pada tempoh tersebut, bilangan pekerja bertambah sebanyak 1.0 peratus kepada sejumlah 2.37 juta orang, manakala gaji & upah menokok 1.2 peratus kepada RM32.9 bilion.

Oleh itu, nilai jualan setiap pekerja mencatatkan sebanyak RM257,337 pada tempoh tersebut, merekodkan pertumbuhan 1.7 peratus. Butiran terperinci seperti ditunjukkan di Jadual A.

Jadual A: Nilai Jualan, Bilangan Pekerja, Gaji & Upah dan Nilai Jualan per Pekerja, Januari - April 2023 dan 2024

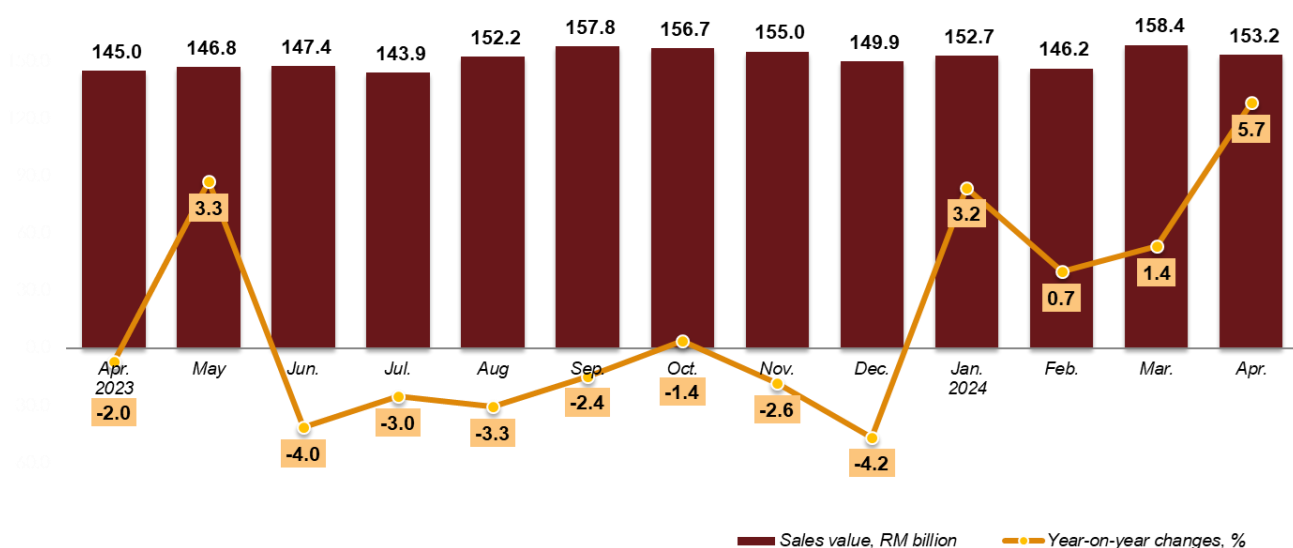
Perangkaan Pembuatan Bulanan	Januari - April		% Perubahan
	2023	2024	
Nilai Jualan (RM juta)	594,404.7	610,555.9	2.7
Bilangan Pekerja	2,349,159	2,372,596	1.0
Gaji & Upah (RM juta)	32,533.7	32,935.1	1.2
Nilai Jualan Per Pekerja (RM)	253,029	257,337	1.7

1.0 SALES VALUE OF THE MANUFACTURING SECTOR

The sales value of the Manufacturing sector rose by 5.7 per cent to RM153.2 billion in April 2024, marking the highest growth in 13 months due to a lower value base effect as shown in Chart 1. Nonetheless, the Manufacturing sector sales value contracted by 3.3 per cent from RM158.4 billion registered in the preceding month. In contrast, the seasonally adjusted sales value increased by 1.1 per cent as compared to the preceding month.

The increase was mainly propelled by sales in the sub-sectors of Transport equipment & other manufactures (16.9%); Non-metallic mineral products, basic metal & fabricated metal products (12.8%); and Electrical & electronics products (2.7%).

Chart 1: Sales Value of the Manufacturing Sector, April 2023 – April 2024



* Notes:

- This report can be accessed through the web portal of the Department of Statistics, Malaysia (<https://www.dosm.gov.my>) under the section: **Latest Releases**.
- Data for April 2024 is **provisional**. The data will be updated based on the latest available figures and subsequently published in the May 2024 publication.

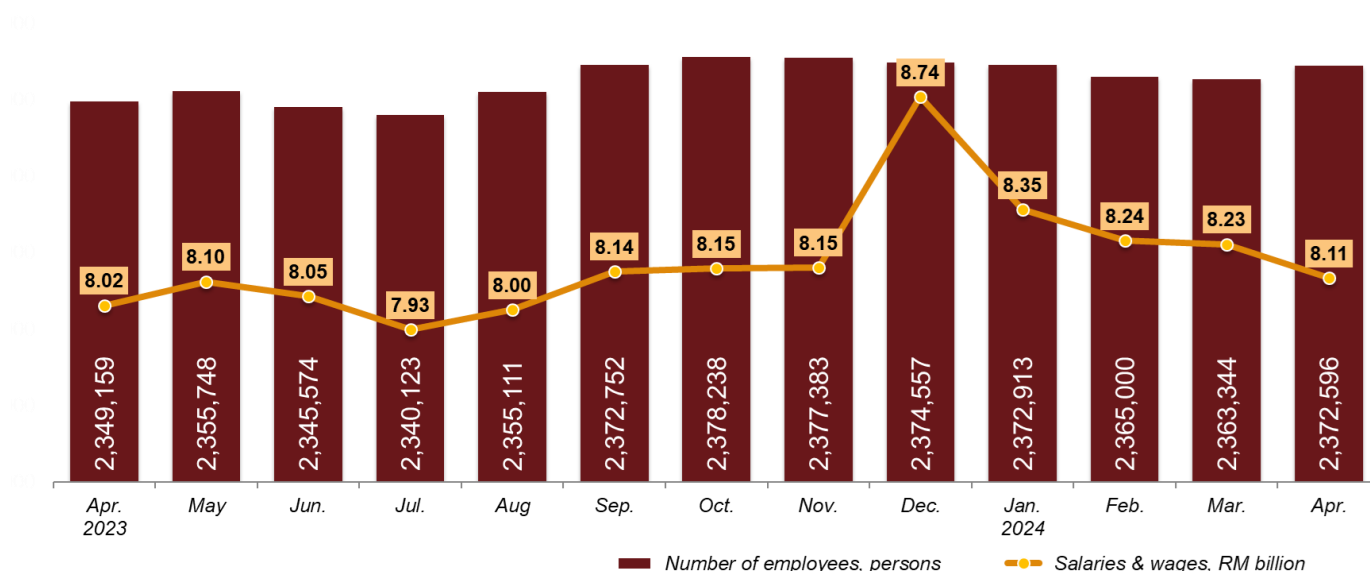
2.0 NUMBER OF EMPLOYEES

There were 2.37 million employees engaged in the Manufacturing sector in April 2024, which rose by 1.0 per cent as compared to 2.35 million persons recorded a year ago (March 2024: 0.5%). The increase was predominantly in the Food, beverages & tobacco (4.7%); Non-metallic mineral products, basic metal & fabricated metal products (2.3%); and Wood, furniture, paper products & printing (1.3%) sub-sectors. In comparison to the preceding month, the number of employees in this sector increased marginally by 0.4 per cent.

3.0 SALARIES & WAGES

The salaries & wages paid in the Manufacturing sector grew by 1.2 per cent year-on-year to record RM8.11 billion in April 2024 as shown in Chart 2. On a month-on-month comparison, the salaries & wages continued to decline by 1.4 per cent from RM8.23 billion recorded in March 2024.

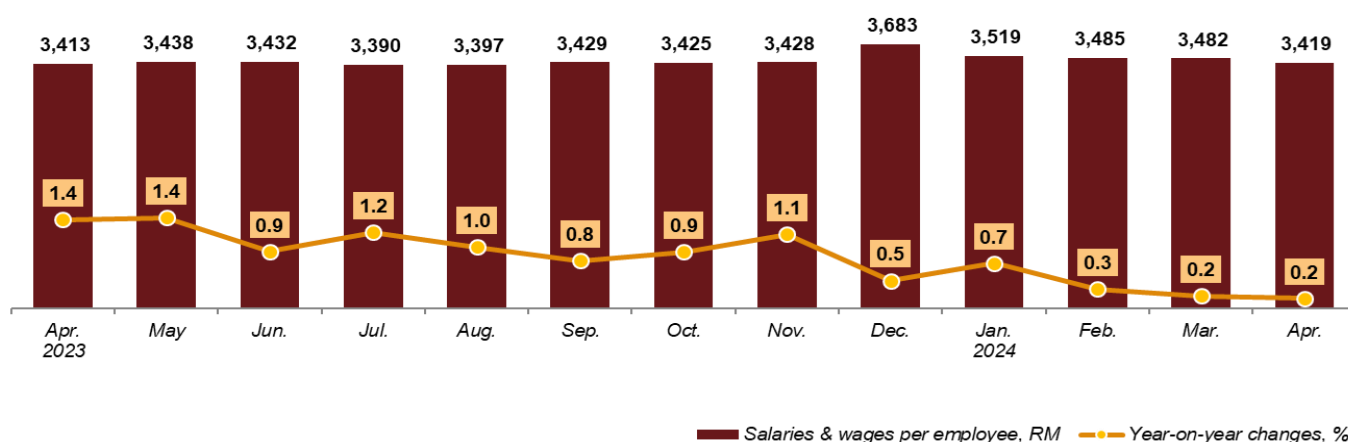
Chart 2: Number of Employees and Salaries & Wages in Manufacturing Sector, April 2023 – April 2024



4.0 AVERAGE SALARIES & WAGES PER EMPLOYEE

The average salaries & wages paid per employee in April 2024 was RM3,419 which increased marginally by 0.2 per cent year-on-year (April 2023: RM3,413) as depicted in Chart 3. Meanwhile, average salaries & wages paid per employee decreased by 1.8 per cent as compared to the preceding month (March 2024: RM3,482).

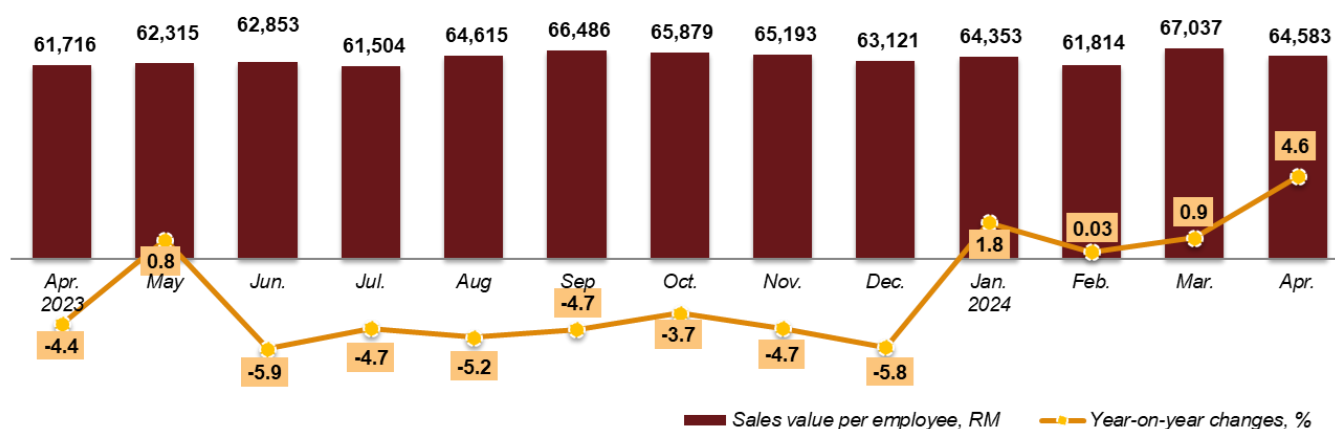
Chart 3: Salaries & Wages per Employee in Manufacturing Sector, April 2023 – April 2024



5.0 SALES VALUE PER EMPLOYEE

The sales value per employee in April 2024 rose by 4.6 per cent to record RM64,583 as compared to RM61,716 in the same month of the previous year (Chart 4). Meanwhile, the average sales value per employee decreased 3.7 per cent as compared to March 2024.

Chart 4: Sales Value per Employee in Manufacturing Sector, April 2023 – April 2024



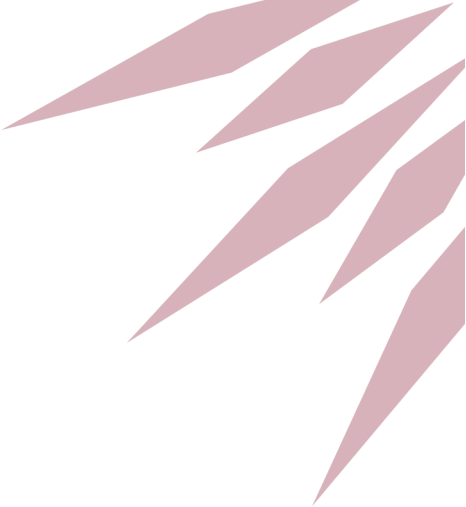
6.0 PERFORMANCE IN THE PERIOD JANUARY - APRIL 2024

The sales value overall performance of the Manufacturing sector for the first four months of 2024 reached RM610.6 billion, increased by 2.7 per cent as compared to the same period of 2023 (January - April 2023: 5.5%). During this period, the number of employees went up by 1.0 per cent to a total of 2.37 million persons, while salaries & wages grew by 1.2 per cent to RM32.9 billion.

Consequently, the sales value per employee stood at RM257,337 during the period, posting a growth of 1.7 per cent. The details as per shown in Table A.

Table A: Sales Value, Number of Employees, Salaries & Wages and Sales Value per Employee, January - April of 2023 and 2024

Monthly Manufacturing Statistics	January - April		% Change
	2023	2024	
Sales Value (RM million)	594,404.7	610,555.9	2.7
Number of Employees	2,349,159	2,372,596	1.0
Salaries & Wages (RM million)	32,533.7	32,935.1	1.2
Sales Value per Employee (RM)	253,029	257,337	1.7



JADUAL

Tables



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Jadual **1** : Perangkaan Utama Sektor Pembuatan
Table : Principal Statistics of Manufacturing Sector

Tempoh Period		Nilai Jualan Produk Yang Dibuat Sendiri (Di Kilang) <i>Sales value of own (Ex-factory) (RM Juta/Million)</i>				Bilangan Pekerja Bergaji Pada Akhir Tempoh <i>Number of employees engaged at end of period</i>				Gaji & Upah Yang Dibayar <i>Salaries & wages paid (RM Juta/Million)</i>			
		Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM	Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM	Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM
2021		1,554,738	15.5			2,259,619	2.7			89,830	3.0		
2022		1,800,930	15.8			2,335,435	3.4			94,528	5.2		
2023		1,804,035	0.2			2,374,557	1.7			97,789	3.5		
2023	Q1	449,424	8.2			2,351,269	2.8			24,517	4.3		
	Q2	439,208	-1.0			2,345,574	2.1			24,165	3.6		
	Q3	453,856	-2.9			2,372,752	2.4			24,068	3.0		
	Q4	461,548	-2.7			2,374,557	1.7			25,039	2.9		
2024	Q1	457,326	1.8			2,363,344	0.5			24,823	1.2		
2023	(Jan. - Apr.)	594,405	5.5			2,349,159	2.5			32,534	4.2		
2024	(Jan. - Apr.)	610,556	2.7			2,372,596	1.0			32,935	1.2		
2023	Jan.	148,010	6.5	144,787	-3.9	2,341,951	3.0	2,317,914	-1.1	8,183	4.0	7,939	-2.4
	Feb.	145,219	10.3	156,489	8.1	2,349,967	3.3	2,334,559	0.7	8,164	4.6	8,056	1.5
	Mac	156,194	8.0	155,778	-0.5	2,351,269	2.8	2,340,713	0.3	8,170	4.2	8,098	0.5
	Apr.	144,981	-2.0	146,680	-5.8	2,349,159	2.5	2,344,025	0.1	8,017	3.9	8,127	0.4
	Mei	146,799	3.3	154,734	5.5	2,355,748	2.6	2,357,728	0.6	8,100	4.0	8,207	1.0
	Jun	147,427	-4.0	151,271	-2.2	2,345,574	2.1	2,358,024	0.0	8,049	3.0	8,169	-0.5
	Jul.	143,926	-3.0	148,761	-1.7	2,340,123	1.7	2,352,829	-0.2	7,932	2.9	8,097	-0.9
	Ogo.	152,175	-3.3	150,632	1.3	2,355,111	2.0	2,367,136	0.6	8,001	3.0	8,147	0.6
	Sep.	157,755	-2.4	152,290	1.1	2,372,752	2.4	2,378,722	0.5	8,135	3.2	8,204	0.7
	Okt.	156,675	-1.4	150,059	-1.5	2,378,238	2.5	2,386,448	0.3	8,146	3.4	8,236	0.4
	Nov.	154,988	-2.6	149,774	-0.2	2,377,383	2.1	2,379,668	-0.3	8,149	3.3	8,269	0.4
	Dis.	149,885	-4.2	143,728	-4.0	2,374,557	1.7	2,374,914	-0.2	8,744	2.1	8,246	-0.3
2024	Jan.	152,704	3.2	149,845	4.3	2,372,913	1.3	2,356,488	-0.8	8,350	2.0	8,155	-1.1
	Feb.	146,191	0.7	155,213	3.6	2,365,000	0.6	2,351,807	-0.2	8,243	1.0	8,137	-0.2
	Mac	158,431	1.4	156,773	1.0	2,363,344	0.5	2,352,452	0.0	8,230	0.7	8,152	0.2
	Apr.	153,230	5.7	158,533	1.1	2,372,596	1.0	2,368,972	0.7	8,112	1.2	8,218	0.8

Jadual **1.1a** : Nilai Jualan Sektor Pembuatan Mengikut Subsektor
Table : Sales Value of Manufacturing Sector by Sub-sector

Subsektor Sub-sector	2022	2023	2023				2024		2023
			Q1	Q2	Q3	Q4	Q1		(Jan. - Apr.)
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	320,222	309,508	73,072	74,851	78,190	83,395	75,567		97,471
10 Pembuatan produk makanan <i>Manufacture of food products</i>	304,095	292,444	68,673	70,724	74,099	78,948	70,861		91,595
11 Pembuatan minuman <i>Manufacture of beverages</i>	12,717	13,055	3,204	3,131	3,284	3,436	3,399		4,322
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	3,410	4,010	1,196	996	807	1,010	1,307		1,554
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	23,642	24,153	6,152	5,888	5,842	6,271	6,544		8,118
13 Pembuatan tekstil <i>Manufacture of textiles</i>	11,652	11,404	2,897	2,866	2,770	2,872	3,117		3,842
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	9,352	9,873	2,533	2,374	2,391	2,576	2,656		3,330
15 Pembuatan produk kulit dan barangan bfrkaitan <i>Manufacture of leather and related products</i>	2,638	2,876	723	649	681	823	771		946
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	84,965	86,146	23,605	19,571	19,863	23,108	24,394		30,717
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	25,894	24,608	7,502	4,976	5,353	6,776	7,408		9,529
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	28,260	29,883	7,561	7,377	7,381	7,564	7,711		10,145
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	13,709	14,526	3,812	3,452	3,457	3,804	3,948		5,002
31 Pembuatan perabot <i>Manufacture of furniture</i>	17,101	17,130	4,729	3,766	3,671	4,964	5,326		6,042
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	499,207	469,010	116,905	118,176	119,555	114,375	111,249		155,568
19 Pembuatan kok dan produk petroleum bfrtapis <i>Manufacture of coke and refined petroleum products</i>	249,901	224,749	55,680	56,542	58,478	54,050	48,509		73,742
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	111,585	112,375	29,632	26,787	28,168	27,788	29,595		38,358
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	10,181	10,708	2,702	2,629	2,714	2,663	2,848		3,600
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	127,540	121,177	28,891	32,218	30,195	29,873	30,297		39,867
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	168,044	179,468	47,150	42,407	42,162	47,748	51,069		62,198
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	49,285	52,777	14,105	12,626	12,585	13,461	15,168		18,485
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	54,209	56,455	15,284	12,417	12,844	15,910	15,889		20,020
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	64,550	70,235	17,762	17,365	16,733	18,376	20,012		23,692
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	581,527	598,972	149,095	147,221	154,914	147,743	152,307		197,032
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	479,757	496,238	124,697	121,532	128,717	121,292	127,730		164,162
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	56,049	57,863	13,583	14,155	15,645	14,480	13,559		18,178
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	45,720	44,872	10,815	11,534	10,552	11,971	11,018		14,692
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	123,324	136,778	33,444	31,093	33,331	38,910	36,196		43,300
29 Pembuatan kenderaan bfrmotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	89,220	101,255	24,643	22,206	24,909	29,498	27,089		31,297
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	15,690	16,045	4,077	3,946	3,633	4,390	4,152		5,537
32 Pembuatan lain <i>Other manufacturing</i>	12,668	13,315	3,095	3,555	3,356	3,309	3,248		4,258
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	5,746	6,163	1,629	1,386	1,433	1,714	1,706		2,207
Pembuatan Manufacturing	Jumlah Total	1,800,930	1,804,035	449,424	439,208	453,856	461,548	457,326	594,405

(RM Juta/Million)																
2024	2023												2024			
(Jan. - Apr.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
101,975	24,911	24,273	23,888	24,399	25,494	24,959	24,379	25,890	27,921	28,425	27,792	27,178	27,744	23,712	24,111	26,408
95,674	23,470	22,881	22,322	22,922	24,070	23,733	23,056	24,481	26,563	26,844	26,336	25,768	26,219	22,214	22,427	24,813
4,595	1,047	1,043	1,114	1,118	1,049	964	1,065	1,124	1,095	1,231	1,117	1,089	1,115	1,091	1,193	1,196
1,706	394	349	452	359	376	262	258	286	263	350	338	322	410	407	490	399
8,641	2,068	2,018	2,066	1,966	1,997	1,926	1,944	1,951	1,947	2,037	2,149	2,085	2,234	2,102	2,209	2,097
4,144	984	938	975	945	969	952	925	941	905	937	968	966	1,071	1,018	1,029	1,026
3,496	840	847	846	798	806	770	810	781	799	832	893	851	899	835	922	840
1,002	245	233	245	223	221	204	209	229	243	268	288	268	264	250	258	230
31,906	7,747	7,716	8,142	7,112	6,592	5,867	5,958	6,734	7,171	7,554	7,831	7,722	8,176	7,796	8,421	7,512
9,506	2,480	2,415	2,607	2,027	1,611	1,338	1,352	1,924	2,077	2,311	2,261	2,204	2,482	2,290	2,636	2,097
10,323	2,418	2,505	2,639	2,584	2,437	2,356	2,354	2,495	2,533	2,531	2,534	2,499	2,579	2,537	2,595	2,612
5,228	1,262	1,284	1,266	1,189	1,132	1,131	1,143	1,148	1,165	1,151	1,341	1,312	1,321	1,316	1,310	1,279
6,849	1,587	1,512	1,630	1,312	1,411	1,042	1,109	1,166	1,396	1,561	1,696	1,707	1,794	1,652	1,880	1,523
150,716	41,517	35,956	39,432	38,663	40,314	39,198	38,930	40,885	39,739	40,065	38,765	35,545	38,231	34,736	38,283	39,467
65,627	21,738	16,662	17,279	18,063	19,413	19,065	18,598	20,301	19,579	19,927	18,597	15,525	17,176	15,204	16,129	17,118
39,189	9,802	9,627	10,203	8,726	9,101	8,960	9,069	9,840	9,258	9,079	9,298	9,412	10,322	9,379	9,894	9,594
3,813	875	885	942	898	821	910	885	905	925	933	871	859	904	942	1,001	965
42,087	9,101	8,782	11,008	10,976	10,979	10,263	10,378	9,840	9,977	10,126	9,998	9,749	9,828	9,211	11,259	11,790
68,036	15,584	15,563	16,003	15,047	13,943	13,417	13,038	14,005	15,119	15,176	15,999	16,572	17,081	16,443	17,545	16,967
19,972	4,587	4,675	4,843	4,381	4,131	4,114	4,137	4,233	4,214	4,113	4,614	4,734	5,140	4,869	5,158	4,804
21,114	4,942	5,048	5,293	4,737	4,081	3,599	3,384	4,179	5,281	5,273	5,373	5,264	5,140	5,203	5,546	5,225
26,950	6,055	5,840	5,867	5,930	5,731	5,704	5,518	5,592	5,623	5,790	6,013	6,574	6,801	6,371	6,840	6,938
201,560	45,026	49,203	54,866	47,937	47,443	51,840	48,627	51,810	54,477	51,155	48,728	47,860	46,315	49,820	56,172	49,253
168,341	36,749	41,275	46,672	39,465	38,922	43,145	40,395	42,924	45,398	42,391	39,807	39,094	37,731	41,913	48,086	40,611
18,145	4,583	4,401	4,598	4,595	4,653	4,907	4,910	5,319	5,416	5,003	4,817	4,661	4,772	4,323	4,464	4,586
15,074	3,693	3,527	3,595	3,877	3,868	3,789	3,322	3,567	3,663	3,762	4,104	4,105	3,813	3,584	3,621	4,056
47,722	11,158	10,489	11,797	9,856	11,016	10,220	11,050	10,901	11,380	12,263	13,724	12,923	12,922	11,582	11,692	11,526
35,282	8,243	7,701	8,699	6,654	8,107	7,444	8,425	8,168	8,316	9,155	10,488	9,855	9,877	8,718	8,494	8,193
5,638	1,324	1,264	1,489	1,461	1,243	1,242	1,172	1,183	1,278	1,458	1,518	1,414	1,374	1,288	1,491	1,486
4,486	1,061	1,012	1,021	1,164	1,264	1,128	1,047	1,101	1,208	1,092	1,119	1,097	1,123	1,049	1,075	1,237
2,316	530	511	589	578	402	406	407	449	578	557	599	557	548	527	632	610
610,556	148,010	145,219	156,194	144,981	146,799	147,427	143,926	152,175	157,755	156,675	154,988	149,885	152,704	146,191	158,431	153,230

Jadual **1.1b** : Nilai Jualan Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan
Table : Sales Value of Manufacturing Sector by Sub-sector: Annual Percentage Change

Subsektor Sub-sector	2022	2023	2023				2024	
			Q1	Q2	Q3	Q4	Q1	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	12.8	-3.3	6.1	-12.7	-5.3	0.4	3.4	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	12.5	-3.8	6.3	-13.7	-5.8	0.1	3.2	
11 Pembuatan minuman <i>Manufacture of beverages</i>	19.6	2.7	0.2	3.2	1.4	5.8	6.1	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	16.0	17.6	17.4	27.0	18.6	9.0	9.3	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	7.7	2.2	0.9	3.7	2.5	1.6	6.4	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	8.6	-2.1	-2.1	-1.2	-2.7	-2.6	7.6	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	3.5	5.6	3.1	7.4	7.5	4.6	4.9	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	20.5	9.0	6.4	14.2	8.2	8.3	6.7	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	11.1	1.4	1.8	1.7	-0.5	2.3	3.3	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	12.4	-5.0	-3.9	-2.3	-7.2	-6.2	-1.3	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	9.6	5.7	11.0	4.8	1.9	5.6	2.0	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	13.3	6.0	7.5	5.5	7.5	3.6	3.6	
31 Pembuatan perabot <i>Manufacture of furniture</i>	9.8	0.2	-5.7	-1.9	-1.4	9.8	12.6	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	15.5	-6.0	8.0	-4.8	-13.3	-11.2	-4.8	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	42.3	-10.1	21.9	-6.2	-22.7	-20.9	-12.9	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	9.0	0.7	2.1	0.7	0.7	-0.6	-0.1	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	10.8	5.2	12.0	5.1	0.7	3.5	5.4	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-12.1	-5.0	-7.3	-7.4	-4.5	-0.3	4.9	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	12.5	6.8	6.1	6.2	7.2	7.7	8.3	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	15.2	7.1	6.9	6.8	7.6	7.0	7.5	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	9.4	4.1	5.0	3.6	2.8	4.9	4.0	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	13.2	8.8	6.3	7.8	10.6	10.7	12.7	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	20.3	3.0	10.2	5.5	1.6	-4.2	2.2	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	22.4	3.4	11.1	6.3	2.2	-4.7	2.4	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	15.6	3.2	5.9	5.2	4.3	-1.9	-0.2	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	6.9	-1.9	4.9	-2.3	-8.1	-1.3	1.9	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	14.5	10.9	14.8	6.8	12.4	9.8	8.2	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	15.3	13.5	18.6	7.2	15.7	12.6	9.9	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	11.3	2.3	6.4	5.4	-0.5	-1.7	1.9	
32 Pembuatan lain <i>Other manufacturing</i>	16.3	5.1	3.4	4.4	5.7	6.9	5.0	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	7.9	7.3	7.4	11.5	10.6	1.4	4.7	
Pembuatan Manufacturing	Jumlah Total	15.8	0.2	8.2	-1.0	-2.9	-2.7	1.8

(%)																	
2023	2024	2023												2024			
(Jan. - Apr.)	(Jan. - Apr.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
0.7	4.6	4.5	8.6	5.5	-12.7	-10.9	-14.6	-7.8	-6.6	-1.7	2.0	2.0	-2.6	11.4	-2.3	0.9	8.2
0.5	4.5	4.4	9.1	5.4	-13.4	-12.2	-15.5	-8.4	-7.2	-2.0	1.6	1.9	-3.1	11.7	-2.9	0.5	8.3
-0.7	6.3	0.5	-0.3	0.3	-3.0	12.1	1.9	2.1	0.9	1.5	8.0	3.8	5.5	6.5	4.6	7.2	7.0
15.4	9.7	20.6	5.7	25.3	9.1	57.6	20.4	19.5	17.6	18.7	16.5	4.7	6.3	3.9	16.7	8.3	11.2
1.0	6.4	0.1	1.4	1.4	1.1	7.9	2.2	2.6	2.2	2.8	3.7	3.2	-1.7	8.0	4.2	6.9	6.6
-2.0	7.9	-2.8	-2.2	-1.3	-1.9	4.4	-5.6	-5.1	-1.0	-1.7	-1.0	-1.5	-5.1	8.9	8.5	5.5	8.6
2.7	5.0	1.7	4.7	2.9	1.4	9.6	11.8	10.7	5.0	6.9	8.0	7.1	-0.8	7.1	-1.4	9.0	5.3
8.1	5.8	6.5	4.8	7.8	14.1	19.1	9.4	10.7	6.7	7.4	8.3	8.0	8.5	7.9	6.9	5.3	3.1
1.1	3.9	-2.2	6.3	1.8	-1.3	7.9	-1.1	-0.6	-0.1	-0.7	3.2	2.6	1.2	5.5	1.0	3.4	5.6
-4.1	-0.2	-7.4	1.2	-4.9	-5.1	7.5	-8.2	-7.8	-6.9	-7.2	-2.2	-6.4	-9.9	0.1	-5.1	1.1	3.5
9.2	1.8	7.0	16.9	9.5	4.3	8.3	1.9	1.0	1.6	3.0	3.7	7.8	5.4	6.7	1.3	-1.7	1.1
6.3	4.5	3.2	10.2	9.3	2.6	7.6	6.5	6.7	8.9	6.9	7.6	1.4	2.5	4.7	2.5	3.5	7.6
-6.3	13.4	-9.9	-3.3	-3.6	-8.4	8.1	-5.4	-1.3	0.3	-2.8	8.1	9.6	11.5	13.0	9.2	15.3	16.1
5.0	-3.1	10.1	9.2	4.8	-3.1	2.0	-12.4	-15.3	-12.3	-12.3	-9.5	-10.8	-13.6	-7.9	-3.4	-2.9	2.1
15.9	-11.0	26.0	25.0	14.5	0.6	2.7	-18.6	-25.6	-20.9	-21.6	-18.4	-20.0	-24.8	-21.0	-8.8	-6.7	-5.2
1.4	2.2	1.7	2.0	2.6	-0.9	4.8	-1.8	-0.7	1.4	1.2	3.6	-0.5	-4.5	5.3	-2.6	-3.0	9.9
10.9	5.9	6.9	15.8	13.6	7.7	9.1	-0.5	-0.3	1.3	1.1	6.1	1.3	3.0	3.3	6.5	6.3	7.4
-8.3	5.6	-9.1	-6.5	-6.3	-10.9	-1.9	-8.9	-5.3	-5.1	-3.1	-0.7	0.2	-0.5	8.0	4.9	2.3	7.4
5.6	9.4	1.7	8.8	8.0	4.1	8.7	6.2	6.1	6.3	9.0	7.0	8.6	7.4	9.6	5.7	9.6	12.8
6.4	8.0	3.7	9.7	7.6	4.6	9.0	7.1	5.9	7.1	9.9	7.4	7.7	6.1	12.1	4.2	6.5	9.7
4.2	5.5	-1.3	7.5	9.0	1.9	5.7	3.5	1.1	0.6	5.8	4.3	6.6	3.7	4.0	3.1	4.8	10.3
6.1	13.7	2.6	9.1	7.5	5.5	10.6	7.4	9.7	10.4	11.5	9.2	11.3	11.5	12.3	9.1	16.6	17.0
8.6	2.3	6.4	12.4	11.4	4.0	8.4	4.3	4.7	0.6	-0.04	-2.7	-5.3	-4.6	2.9	1.3	2.4	2.7
9.6	2.5	7.1	13.3	12.6	5.2	8.5	5.5	6.1	1.1	-0.1	-2.8	-6.6	-4.8	2.7	1.5	3.0	2.9
4.6	-0.2	4.6	9.5	3.9	1.0	10.6	4.3	4.6	4.1	4.4	-1.1	-0.3	-4.4	4.1	-1.8	-2.9	-0.2
2.3	2.6	2.5	5.7	6.6	-4.2	5.5	-7.4	-8.9	-9.7	-5.7	-3.4	2.5	-2.9	3.3	1.6	0.7	4.6
9.6	10.2	14.0	15.4	15.1	-4.9	17.8	8.9	17.2	11.9	8.6	14.6	9.0	6.4	15.8	10.4	-0.9	16.9
11.6	12.7	18.9	18.1	18.6	-8.3	20.7	10.5	22.0	15.0	10.4	19.7	11.3	8.0	19.8	13.2	-2.4	23.1
5.3	1.8	1.8	8.3	9.0	2.5	10.8	3.9	-0.2	-0.5	-0.7	-4.0	0.3	-1.2	3.8	1.9	0.1	1.7
2.7	5.3	1.4	5.4	3.5	0.9	9.2	3.0	6.0	5.0	6.2	9.5	5.2	6.2	5.9	3.6	5.3	6.3
8.0	4.9	3.7	15.4	4.5	9.8	12.4	12.9	10.8	11.0	10.2	3.0	0.8	0.5	3.4	3.0	7.4	5.6
5.5	2.7	6.5	10.3	8.0	-2.0	3.3	-4.0	-3.0	-3.3	-2.4	-1.4	-2.6	-4.2	3.2	0.7	1.4	5.7

Jadual **1.1c** : Nilai Jualan Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Sales Value of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change

Subsektor Sub-sector		2023				2024	
		Q1	Q2	Q3	Q4	Q1	
1. Makanan, minuman dan tembakau		-12.0	2.4	4.5	6.7	-9.4	
Food, beverages and tobacco							
10	Pembuatan produk makanan Manufacture of food products	-12.9	3.0	4.8	6.5	-10.2	
11	Pembuatan minuman Manufacture of beverages	-1.4	-2.3	4.9	4.7	-1.1	
12	Pembuatan produk tembakau Manufacture of tobacco products	29.1	-16.7	-19.0	25.1	29.4	
2. Tekstil, pakaian, kulit dan kasut		-0.3	-4.3	-0.8	7.3	4.4	
Textiles, wearing apparel, leather and footwear							
13	Pembuatan tekstil Manufacture of textiles	-1.7	-1.1	-3.3	3.7	8.6	
14	Pembuatan pakaian Manufacture of wearing apparel	2.9	-6.3	0.7	7.8	3.1	
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	-4.9	-10.3	5.0	20.8	-6.3	
3. Produk kayu, perabot, keluaran kertas dan percetakan		4.5	-17.1	1.5	16.3	5.6	
Wood products, furniture, paper products and printing							
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	3.8	-33.7	7.6	26.6	9.3	
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	5.6	-2.4	0.1	2.5	1.9	
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	3.8	-9.4	0.1	10.0	3.8	
31	Pembuatan perabot Manufacture of furniture	4.6	-20.4	-2.5	35.2	7.3	
4. Petroleum, kimia, getah dan plastik		-9.3	1.1	1.2	-4.3	-2.7	
Petroleum, chemical, rubber and plastic							
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	-18.5	1.5	3.4	-7.6	-10.3	
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	6.0	-9.6	5.2	-1.3	6.5	
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	5.0	-2.7	3.2	-1.9	6.9	
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	-3.6	11.5	-6.3	-1.1	1.4	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka		6.3	-10.1	-0.6	13.2	7.0	
Non-metallic mineral products, basic metal and fabricated metal							
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	12.2	-10.5	-0.3	7.0	12.7	
24	Pembuatan logam asas Manufacture of basic metals	0.8	-18.8	3.4	23.9	-0.1	
25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	7.0	-2.2	-3.6	9.8	8.9	
6. Produk elektrik dan elektronik		-3.3	-1.3	5.2	-4.6	3.1	
Electrical and electronic products							
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	-2.0	-2.5	5.9	-5.8	5.3	
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	-8.0	4.2	10.5	-7.4	-6.4	
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	-10.8	6.6	-8.5	13.4	-8.0	
7. Kelengkapan pengangkutan dan pembuatan lain		-5.6	-7.0	7.2	16.7	-7.0	
Transport equipment and other manufactures							
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	-5.9	-9.9	12.2	18.4	-8.2	
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	-8.7	-3.2	-7.9	20.8	-5.4	
32	Pembuatan lain Other manufacturing	-0.01	14.9	-5.6	-1.4	-1.8	
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	-3.6	-14.9	3.4	19.6	-0.4	
Pembuatan Manufacturing		Jumlah Total	-5.3	-2.3	3.3	1.7	-0.9

(%)															
2023												2024			
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
-10.8	-2.6	-1.6	2.1	4.5	-2.1	-2.3	6.2	7.8	1.8	-2.2	-2.2	2.1	-14.5	1.7	9.5
-11.7	-2.5	-2.4	2.7	5.0	-1.4	-2.9	6.2	8.5	1.1	-1.9	-2.2	1.8	-15.3	1.0	10.6
1.5	-0.4	6.8	0.4	-6.3	-8.0	10.4	5.5	-2.5	12.4	-9.3	-2.5	2.4	-2.2	9.4	0.2
30.3	-11.5	29.7	-20.7	4.9	-30.3	-1.5	11.0	-8.2	33.2	-3.4	-4.9	27.3	-0.6	20.3	-18.6
-2.5	-2.4	2.4	-4.8	1.5	-3.6	1.0	0.3	-0.2	4.6	5.5	-3.0	7.2	-5.9	5.1	-5.1
-3.3	-4.7	4.0	-3.1	2.5	-1.8	-2.9	1.7	-3.8	3.6	3.3	-0.3	10.9	-4.9	1.1	-0.2
-2.1	0.9	-0.2	-5.7	1.1	-4.5	5.3	-3.6	2.4	4.0	7.4	-4.7	5.6	-7.2	10.4	-8.8
-0.8	-4.6	5.0	-8.8	-0.9	-7.9	2.5	9.6	6.2	10.1	7.4	-7.0	-1.3	-5.5	3.4	-10.7
1.5	-0.4	5.5	-12.6	-7.3	-11.0	1.5	13.0	6.5	5.3	3.7	-1.4	5.9	-4.7	8.0	-10.8
1.4	-2.6	8.0	-22.3	-20.5	-17.0	1.0	42.3	7.9	11.2	-2.1	-2.5	12.6	-7.7	15.1	-20.4
1.9	3.6	5.3	-2.1	-5.7	-3.3	-0.1	6.0	1.5	-0.1	0.1	-1.4	3.2	-1.6	2.3	0.7
-1.4	1.7	-1.4	-6.1	-4.8	-0.1	1.1	0.4	1.5	-1.2	16.5	-2.2	0.8	-0.4	-0.5	-2.4
3.6	-4.7	7.8	-19.5	7.5	-26.1	6.4	5.2	19.7	11.9	8.6	0.7	5.1	-7.9	13.8	-19.0
1.0	-13.4	9.7	-1.9	4.3	-2.8	-0.7	5.0	-2.8	0.8	-3.2	-8.3	7.6	-9.1	10.2	3.1
5.3	-23.4	3.7	4.5	7.5	-1.8	-2.5	9.2	-3.6	1.8	-6.7	-16.5	10.6	-11.5	6.1	6.1
-0.6	-1.8	6.0	-14.5	4.3	-1.6	1.2	8.5	-5.9	-1.9	2.4	1.2	9.7	-9.1	5.5	-3.0
5.0	1.1	6.4	-4.6	-8.6	10.9	-2.8	2.2	2.2	0.8	-6.6	-1.4	5.3	4.2	6.3	-3.6
-7.1	-3.5	25.4	-0.3	0.02	-6.5	1.1	-5.2	1.4	1.5	-1.3	-2.5	0.8	-6.3	22.2	4.7
1.0	-0.1	2.8	-6.0	-7.3	-3.8	-2.8	7.4	8.0	0.4	5.4	3.6	3.1	-3.7	6.7	-3.3
2.8	1.9	3.6	-9.5	-5.7	-0.4	0.6	2.3	-0.5	-2.4	12.2	2.6	8.6	-5.3	5.9	-6.9
-2.6	2.1	4.9	-10.5	-13.8	-11.8	-6.0	23.5	26.4	-0.2	1.9	-2.0	-2.4	1.2	6.6	-5.8
2.7	-3.5	0.5	1.1	-3.4	-0.5	-3.3	1.3	0.6	3.0	3.8	9.3	3.5	-6.3	7.4	1.4
-10.2	9.3	11.5	-12.6	-1.0	9.3	-6.2	6.5	5.1	-6.1	-4.7	-1.8	-3.2	7.6	12.7	-12.3
-10.5	12.3	13.1	-15.4	-1.4	10.8	-6.4	6.3	5.8	-6.6	-6.1	-1.8	-3.5	11.1	14.7	-15.5
-6.0	-4.0	4.5	-0.1	1.3	5.5	0.1	8.3	1.8	-7.6	-3.7	-3.2	2.4	-9.4	3.3	2.7
-12.6	-4.5	1.9	7.8	-0.2	-2.0	-12.3	7.4	2.7	2.7	9.1	0.04	-7.1	-6.0	1.0	12.0
-8.1	-6.0	12.5	-16.5	11.8	-7.2	8.1	-1.4	4.4	7.8	11.9	-5.8	-0.01	-10.4	1.0	-1.4
-9.6	-6.6	13.0	-23.5	21.8	-8.2	13.2	-3.0	1.8	10.1	14.6	-6.0	0.2	-11.7	-2.6	-3.5
-7.6	-4.5	17.8	-1.9	-14.9	-0.1	-5.6	0.9	8.0	14.1	4.1	-6.8	-2.9	-6.2	15.7	-0.3
2.7	-4.6	0.9	14.0	8.6	-10.7	-7.2	5.2	9.6	-9.5	2.5	-2.0	2.4	-6.6	2.5	15.1
-4.5	-3.4	15.1	-1.9	-30.4	1.0	0.03	10.4	28.8	-3.6	7.6	-7.0	-1.7	-3.8	20.0	-3.5
-5.4	-1.9	7.6	-7.2	1.3	0.4	-2.4	5.7	3.7	-0.7	-1.1	-3.3	1.9	-4.3	8.4	-3.3

Jadual **1.2a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor
Table **1.2a** : Number of Paid Employees of Manufacturing Sector by Sub-sector

Subsektor Sub-sector	2022	2023	2023	
			Q1	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	312,503	331,015	318,572	
10 Pembuatan produk makanan Manufacture of food products	294,898	312,950	300,354	
11 Pembuatan minuman Manufacture of beverages	16,373	16,805	16,770	
12 Pembuatan produk tembakau Manufacture of tobacco products	1,232	1,259	1,448	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	84,022	85,961	85,096	
13 Pembuatan tekstil Manufacture of textiles	27,871	28,303	28,115	
14 Pembuatan pakaian Manufacture of wearing apparel	43,591	44,781	43,969	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	12,559	12,878	13,011	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	300,117	306,775	301,925	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	94,044	94,250	92,962	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	58,658	59,265	59,308	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	70,120	71,281	70,319	
31 Pembuatan perabot Manufacture of furniture	77,294	81,979	79,337	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	431,348	431,568	434,110	
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	17,817	18,473	18,486	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	104,895	103,545	107,580	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	27,325	27,967	26,901	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	281,311	281,583	281,143	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	378,084	386,812	379,977	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metalic mineral products	107,304	109,233	105,623	
24 Pembuatan logam asas Manufacture of basic metals	111,538	112,157	112,586	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	159,242	165,423	161,768	
6. Produk elektrik dan elektronik Electrical and electronic products	615,997	615,687	615,782	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	416,128	419,283	414,042	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	103,580	102,410	104,635	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	96,289	93,994	97,105	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	213,364	216,739	215,807	
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	86,835	87,614	87,037	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	43,427	44,306	44,253	
32 Pembuatan lain Other manufacturing	40,788	40,976	40,934	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	42,314	43,843	43,583	
Pembuatan Manufacturing	Jumlah Total	2,335,435	2,374,557	2,351,269

			2024	2023	2024
Q2	Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)
319,899	330,045	331,015	332,701	319,127	334,073
301,781	312,172	312,950	314,241	301,010	315,542
16,865	16,602	16,805	17,129	16,843	17,275
1,254	1,271	1,259	1,331	1,274	1,256
85,266	84,763	85,961	86,686	85,098	86,617
28,376	28,596	28,303	28,324	28,228	28,453
44,071	43,253	44,781	45,474	44,052	45,314
12,818	12,914	12,878	12,889	12,818	12,850
299,830	302,192	306,775	303,654	300,971	304,902
92,665	93,276	94,250	92,030	92,289	92,893
57,626	58,587	59,265	59,848	58,624	59,082
68,955	68,928	71,281	68,381	69,596	67,899
80,585	81,400	81,979	83,395	80,462	85,027
426,332	431,355	431,568	430,792	433,318	432,975
18,149	18,199	18,473	18,821	18,239	18,538
104,293	102,458	103,545	105,483	104,791	105,321
27,916	29,297	27,967	27,334	28,360	28,522
275,974	281,401	281,583	279,154	281,929	280,594
376,792	384,546	386,812	386,423	377,496	386,062
107,408	109,570	109,233	105,786	106,049	106,568
111,152	111,898	112,157	113,159	111,977	112,910
158,233	163,078	165,423	167,479	159,471	166,585
622,533	623,413	615,687	607,755	618,326	609,925
421,479	423,425	419,283	409,864	417,662	412,304
102,547	104,452	102,410	102,916	103,268	102,560
98,507	95,536	93,994	94,976	97,395	95,061
214,921	216,437	216,739	215,332	214,822	218,043
87,085	87,567	87,614	84,973	86,924	88,425
43,751	44,053	44,306	44,601	43,711	44,452
40,492	41,202	40,976	41,328	40,503	41,017
43,593	43,616	43,843	44,429	43,684	44,148
2,345,574	2,372,752	2,374,557	2,363,344	2,349,159	2,372,596

Jadual **1.2a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor (samb.)
Table : Number of Paid Employees of Manufacturing Sector by Sub-sector (cont.)

Subsektor Sub-sector	2023					
	Jan.	Feb.	Mac.	Apr.	Mei.	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	316,809	319,546	318,572	319,127	319,956	
10 Pembuatan produk makanan Manufacture of food products	298,930	301,386	300,354	301,010	301,817	
11 Pembuatan minuman Manufacture of beverages	16,583	16,717	16,770	16,843	16,874	
12 Pembuatan produk tembakau Manufacture of tobacco products	1,296	1,443	1,448	1,274	1,266	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	84,837	84,831	85,096	85,098	85,729	
13 Pembuatan tekstil Manufacture of textiles	28,095	27,854	28,115	28,228	28,559	
14 Pembuatan pakaian Manufacture of wearing apparel	43,879	43,863	43,969	44,052	44,258	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	12,863	13,114	13,011	12,818	12,912	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	302,697	303,581	301,925	300,971	302,970	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	94,568	95,214	92,962	92,289	94,135	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	58,843	59,436	59,308	58,624	57,792	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	70,262	69,878	70,319	69,596	70,361	
31 Pembuatan perabot Manufacture of furniture	79,024	79,053	79,337	80,462	80,682	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	430,230	431,616	434,110	433,318	431,202	
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	17,783	17,989	18,486	18,239	18,209	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	105,650	105,966	107,580	104,791	104,624	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	26,805	26,916	26,901	28,360	28,019	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	279,992	280,746	281,143	281,929	280,350	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	380,545	379,566	379,977	377,496	379,292	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metalic mineral products	107,769	105,797	105,623	106,049	106,908	
24 Pembuatan logam asas Manufacture of basic metals	112,701	112,481	112,586	111,977	112,081	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	160,075	161,289	161,768	159,471	160,304	
6. Produk elektrik dan elektronik Electrical and electronic products	611,164	615,055	615,782	618,326	620,571	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	410,422	413,081	414,042	417,662	421,194	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	103,746	103,887	104,635	103,268	102,562	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	96,996	98,086	97,105	97,395	96,815	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	215,669	215,772	215,807	214,822	216,027	
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	87,000	87,089	87,037	86,924	87,437	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	44,293	44,313	44,253	43,711	43,826	
32 Pembuatan lain Other manufacturing	40,916	40,892	40,934	40,503	40,738	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	43,460	43,478	43,583	43,684	44,026	
Pembuatan Manufacturing	Jumlah Total	2,341,951	2,349,967	2,351,269	2,349,159	2,355,748

2024										
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac.	Apr.
319,899	321,987	323,631	330,045	331,773	331,484	331,015	334,249	333,253	332,701	334,073
301,781	303,808	305,925	312,172	313,811	313,598	312,950	315,935	314,888	314,241	315,542
16,865	16,952	16,539	16,602	16,689	16,622	16,805	17,041	17,045	17,129	17,275
1,254	1,227	1,167	1,271	1,272	1,264	1,259	1,272	1,320	1,331	1,256
85,266	84,366	84,095	84,763	84,368	86,006	85,961	86,619	86,300	86,686	86,617
28,376	28,140	28,549	28,596	28,519	28,433	28,303	28,464	27,993	28,324	28,453
44,071	43,521	42,881	43,253	42,777	44,583	44,781	45,202	45,287	45,474	45,314
12,818	12,704	12,664	12,914	13,072	12,990	12,878	12,953	13,021	12,889	12,850
299,830	298,729	300,621	302,192	306,093	307,012	306,775	304,136	304,734	303,654	304,902
92,665	92,456	92,885	93,276	94,039	95,049	94,250	93,472	93,238	92,030	92,893
57,626	57,112	57,618	58,587	59,353	59,133	59,265	59,457	59,910	59,848	59,082
68,955	68,890	69,227	68,928	70,157	70,901	71,281	68,570	68,558	68,381	67,899
80,585	80,271	80,892	81,400	82,545	81,929	81,979	82,638	83,028	83,395	85,027
426,332	429,348	431,511	431,355	432,901	432,707	431,568	430,409	430,174	430,792	432,975
18,149	18,202	18,349	18,199	18,408	18,453	18,473	18,245	18,511	18,821	18,538
104,293	102,983	103,371	102,458	103,829	104,131	103,545	103,959	104,451	105,483	105,321
27,916	28,446	29,157	29,297	29,415	28,071	27,967	27,305	27,303	27,334	28,522
275,974	279,717	280,635	281,401	281,249	282,053	281,583	280,900	279,909	279,154	280,594
376,792	377,958	381,483	384,546	384,787	384,301	386,812	387,410	385,020	386,423	386,062
107,408	107,795	108,712	109,570	109,021	109,659	109,233	107,161	105,855	105,786	106,568
111,152	111,101	110,940	111,898	112,805	112,006	112,157	113,533	112,816	113,159	112,910
158,233	159,061	161,831	163,078	162,961	162,636	165,423	166,716	166,349	167,479	166,585
622,533	610,281	617,325	623,413	621,335	619,211	615,687	612,053	608,381	607,755	609,925
421,479	411,396	416,465	423,425	421,955	420,728	419,283	414,252	410,364	409,864	412,304
102,547	102,879	104,815	104,452	104,048	103,012	102,410	103,051	102,040	102,916	102,560
98,507	96,005	96,046	95,536	95,332	95,471	93,994	94,750	95,978	94,976	95,061
214,921	217,455	216,445	216,437	216,981	216,662	216,739	218,037	217,138	215,332	218,043
87,085	87,860	87,475	87,567	87,763	87,590	87,614	88,016	87,310	84,973	88,425
43,751	44,400	43,820	44,053	44,038	44,156	44,306	44,728	44,592	44,601	44,452
40,492	41,070	41,066	41,202	41,335	41,317	40,976	40,834	40,981	41,328	41,017
43,593	44,126	44,084	43,616	43,845	43,599	43,843	44,459	44,254	44,429	44,148
2,345,574	2,340,123	2,355,111	2,372,752	2,378,238	2,377,383	2,374,557	2,372,913	2,365,000	2,363,344	2,372,596

Jadual **1.2b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan
Table **1.2b** : Number of Paid Employees of Manufacturing Sector by Sub-sector: Annual Percentage Change

Subsektor Sub-sector	2022	2023	2023				2024	
			Q1	Q2	Q3	Q4	Q1	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	4.9	5.9	5.3	5.5	7.4	5.9	4.4	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	5.0	6.1	5.4	5.5	7.7	6.1	4.6	
11 Pembuatan minuman <i>Manufacture of beverages</i>	2.6	2.6	2.9	3.8	2.8	2.6	2.1	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	2.8	2.2	2.4	7.1	6.1	2.2	-8.0	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1.8	2.3	2.4	3.2	3.0	2.3	1.9	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	0.5	1.5	1.9	2.6	2.5	1.5	0.7	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	2.6	2.7	1.9	3.2	3.2	2.7	3.4	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	2.2	2.5	4.9	4.5	3.6	2.5	-0.9	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	2.1	2.2	2.3	1.8	2.3	2.2	0.6	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	0.6	0.2	1.7	0.4	0.1	0.2	-1.0	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	4.3	1.0	4.1	1.8	1.7	1.0	0.9	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	4.0	1.7	3.9	4.6	5.3	1.7	-2.8	
31 Pembuatan perabot <i>Manufacture of furniture</i>	0.6	6.1	0.5	1.0	3.0	6.1	5.1	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	2.6	0.1	1.3	-1.2	-0.4	0.1	-0.8	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	4.2	3.7	4.3	5.1	3.1	3.7	1.8	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	3.1	-1.3	2.2	1.5	0.1	-1.3	-1.9	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	8.9	2.3	8.5	-0.3	1.6	2.3	1.6	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	1.8	0.1	0.2	-2.7	-1.1	0.1	-0.7	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	1.3	2.3	0.9	1.3	2.6	2.3	1.7	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	1.6	1.8	0.4	1.1	2.2	1.8	0.2	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	0.4	0.6	0.3	0.7	0.8	0.6	0.5	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	1.6	3.9	1.7	1.8	4.1	3.9	3.5	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	5.2	-0.1	4.2	3.4	2.0	-0.1	-1.3	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	6.6	0.8	5.0	4.4	2.9	0.8	-1.0	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	1.5	-1.1	1.8	0.4	0.2	-1.1	-1.6	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	3.6	-2.4	3.8	2.3	-0.1	-2.4	-2.2	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	3.5	1.6	2.4	1.6	1.8	1.6	-0.2	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3.6	0.9	2.4	1.5	1.4	0.9	-2.4	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	4.4	2.0	2.1	1.8	0.7	2.0	0.8	
32 Pembuatan lain <i>Other manufacturing</i>	4.0	0.5	3.6	1.8	1.2	0.5	1.0	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	2.1	3.6	1.7	1.3	4.2	3.6	1.9	
Pembuatan Manufacturing	Jumlah Total	3.4	1.7	2.8	2.1	2.4	1.7	0.5

																		(%)
2023	2024	2023												2024				
(Jan. - Apr.)	(Jan. - Apr.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
5.6	4.7	4.7	5.6	5.3	5.6	5.9	5.5	5.8	6.2	7.4	7.7	6.9	5.9	5.5	4.3	4.4	4.7	
5.8	4.8	4.8	5.8	5.4	5.8	6.0	5.5	5.9	6.4	7.7	8.0	7.1	6.1	5.7	4.5	4.6	4.8	
2.2	2.6	2.9	2.7	2.9	2.2	3.0	3.8	4.6	2.5	2.8	3.6	3.5	2.6	2.8	2.0	2.1	2.6	
9.3	-1.4	0.6	0.8	2.4	9.3	8.7	7.1	5.4	5.2	6.1	5.8	4.5	2.2	-1.8	-8.5	-8.0	-1.4	
2.8	1.8	2.5	1.8	2.4	2.8	2.8	3.2	3.1	2.7	3.0	3.1	2.6	2.3	2.1	1.7	1.9	1.8	
2.6	0.8	1.8	1.2	1.9	2.6	2.8	2.6	2.3	3.3	2.5	2.3	1.6	1.5	1.3	0.5	0.7	0.8	
2.8	2.9	2.8	1.8	1.9	2.8	2.5	3.2	3.1	2.3	3.2	3.1	2.9	2.7	3.0	3.2	3.4	2.9	
3.6	0.3	2.9	3.3	4.9	3.6	3.9	4.5	4.7	2.9	3.6	4.6	3.8	2.5	0.7	-0.7	-0.9	0.3	
2.7	1.3	2.2	2.4	2.3	2.7	2.5	1.8	2.1	2.6	2.3	2.5	2.3	2.2	0.5	0.4	0.6	1.3	
1.5	0.7	0.7	1.9	1.7	1.5	0.6	0.4	0.6	0.9	0.1	0.7	0.9	0.2	-1.2	-2.1	-1.0	0.7	
3.9	0.8	4.0	4.2	4.1	3.9	2.2	1.8	0.6	1.6	1.7	1.8	1.1	1.0	1.0	0.8	0.9	0.8	
6.4	-2.4	4.1	3.8	3.9	6.4	7.0	4.6	4.8	5.4	5.3	2.8	1.5	1.7	-2.4	-1.9	-2.8	-2.4	
0.4	5.7	0.8	0.7	0.5	0.4	1.3	1.0	2.5	3.1	3.0	4.8	5.7	6.1	4.6	5.0	5.1	5.7	
-0.5	-0.1	2.1	2.8	1.3	-0.5	-0.9	-1.2	-0.8	-0.3	-0.4	0.2	0.4	0.1	0.04	-0.3	-0.8	-0.1	
5.9	1.6	4.4	4.1	4.3	5.9	5.4	5.1	3.2	3.8	3.1	4.3	4.4	3.7	2.6	2.9	1.8	1.6	
2.6	0.5	3.2	3.7	2.2	2.6	1.7	1.5	0.3	0.9	0.1	0.2	-0.2	-1.3	-1.6	-1.4	-1.9	0.5	
1.3	0.6	8.6	8.5	8.5	1.3	0.6	-0.3	0.2	1.7	1.6	1.9	2.2	2.3	1.9	1.4	1.6	0.6	
-2.1	-0.5	0.9	1.8	0.2	-2.1	-2.3	-2.7	-1.5	-1.2	-1.1	-0.3	0.3	0.1	0.3	-0.3	-0.7	-0.5	
0.8	2.3	1.3	1.4	0.9	0.8	1.4	1.3	1.3	2.2	2.6	2.5	2.3	2.3	1.8	1.4	1.7	2.3	
0.5	0.5	1.0	0.8	0.4	0.5	0.8	1.1	0.7	1.8	2.2	1.8	2.0	1.8	-0.6	0.1	0.2	0.5	
0.2	0.8	0.7	0.4	0.3	0.2	0.9	0.7	0.2	0.1	0.8	0.7	0.5	0.6	0.7	0.3	0.5	0.8	
1.5	4.5	1.8	2.6	1.7	1.5	2.1	1.8	2.5	3.9	4.1	4.1	3.8	3.9	4.1	3.1	3.5	4.5	
4.2	-1.4	4.3	4.4	4.2	4.2	4.2	3.4	1.1	1.0	2.0	1.6	0.7	-0.1	0.1	-1.1	-1.3	-1.4	
5.2	-1.3	5.3	5.4	5.0	5.2	5.5	4.4	1.4	1.3	2.9	2.7	1.4	0.8	0.9	-0.7	-1.0	-1.3	
1.6	-0.7	1.3	1.6	1.8	1.6	1.0	0.4	0.6	0.5	0.2	-0.7	-0.8	-1.1	-0.7	-1.8	-1.6	-0.7	
2.7	-2.4	3.4	3.2	3.8	2.7	2.0	2.3	0.4	0.2	-0.1	-0.8	-0.7	-2.4	-2.3	-2.1	-2.2	-2.4	
2.0	1.5	3.1	2.6	2.4	2.0	2.4	1.6	2.3	1.9	1.8	1.8	1.8	1.6	1.1	0.6	-0.2	1.5	
2.2	1.7	3.1	2.3	2.4	2.2	3.0	1.5	2.1	1.6	1.4	1.6	1.5	0.9	1.2	0.3	-2.4	1.7	
1.9	1.7	3.4	2.9	2.1	1.9	2.3	1.8	2.7	1.0	0.7	0.8	1.3	2.0	1.0	0.6	0.8	1.7	
2.4	1.3	3.7	3.0	3.6	2.4	2.5	1.8	1.3	1.2	1.2	1.6	1.5	0.5	-0.2	0.2	1.0	1.3	
1.4	1.1	2.2	2.4	1.7	1.4	1.6	1.3	3.0	4.3	4.2	3.5	3.4	3.6	2.3	1.8	1.9	1.1	
2.5	1.0	3.0	3.3	2.8	2.5	2.6	2.1	1.7	2.0	2.4	2.5	2.1	1.7	1.3	0.6	0.5	1.0	

Jadual 1.2c : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan
Table 1.2c : Number of Paid Employees of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change

Subsektor Sub-sector	2023				2024	
	Q1	Q2	Q3	Q4	Q1	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	1.9	0.4	3.2	0.3	0.5	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	1.9	0.5	3.4	0.2	0.4	
11 Pembuatan minuman <i>Manufacture of beverages</i>	2.4	0.6	-1.6	1.2	1.9	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	17.5	-13.4	1.4	-0.9	5.7	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1.3	0.2	-0.6	1.4	0.8	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	0.9	0.9	0.8	-1.0	0.1	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	0.9	0.2	-1.9	3.5	1.5	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	3.6	-1.5	0.7	-0.3	0.1	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	0.6	-0.7	0.8	1.5	-1.0	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	-1.2	-0.3	0.7	1.0	-2.4	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	1.1	-2.8	1.7	1.2	1.0	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	0.3	-1.9	-0.04	3.4	-4.1	
31 Pembuatan perabot <i>Manufacture of furniture</i>	2.6	1.6	1.0	0.7	1.7	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	0.6	-1.8	1.2	0.05	-0.2	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	3.8	-1.8	0.3	1.5	1.9	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	2.6	-3.1	-1.8	1.1	1.9	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	-1.6	3.8	4.9	-4.5	-2.3	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-0.1	-1.8	2.0	0.1	-0.9	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	0.5	-0.8	2.1	0.6	-0.1	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	-1.6	1.7	2.0	-0.3	-3.2	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	0.9	-1.3	0.7	0.2	0.9	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	1.6	-2.2	3.1	1.4	1.2	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	-0.03	1.1	0.1	-1.2	-1.3	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	-0.5	1.8	0.5	-1.0	-2.2	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	1.0	-2.0	1.9	-2.0	0.5	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	0.8	1.4	-3.0	-1.6	1.0	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	1.1	-0.4	0.7	0.1	-0.6	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	0.2	0.1	0.6	0.1	-3.0	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1.9	-1.1	0.7	0.6	0.7	
32 Pembuatan lain <i>Other manufacturing</i>	0.4	-1.1	1.8	-0.5	0.9	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	3.0	0.02	0.1	0.5	1.3	
Pembuatan Manufacturing	Jumlah Total	0.7	-0.2	1.2	0.1	-0.5

(%)															
2023												2024			
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
1.4	0.9	-0.3	0.2	0.3	-0.02	0.7	0.5	2.0	0.5	-0.1	-0.1	1.0	-0.3	-0.2	0.4
1.4	0.8	-0.3	0.2	0.3	-0.01	0.7	0.7	2.0	0.5	-0.1	-0.2	1.0	-0.3	-0.2	0.4
1.3	0.8	0.3	0.4	0.2	-0.1	0.5	-2.4	0.4	0.5	-0.4	1.1	1.4	0.02	0.5	0.9
5.2	11.4	0.3	-12.0	-0.6	-1.0	-2.2	-4.9	8.9	0.1	-0.7	-0.4	1.0	3.7	0.9	-5.7
1.0	-0.01	0.3	0.0	0.7	-0.5	-1.1	-0.3	0.8	-0.5	1.9	-0.1	0.8	-0.4	0.4	-0.1
0.8	-0.9	0.9	0.4	1.2	-0.6	-0.8	1.5	0.2	-0.3	-0.3	-0.5	0.6	-1.7	1.2	0.5
0.7	-0.04	0.2	0.2	0.5	-0.4	-1.2	-1.5	0.9	-1.1	4.2	0.4	0.9	0.2	0.4	-0.4
2.4	1.9	-0.8	-1.5	0.7	-0.7	-0.9	-0.3	2.0	1.2	-0.6	-0.9	0.6	0.5	-1.0	-0.3
0.9	0.3	-0.5	-0.3	0.7	-1.0	-0.4	0.6	0.5	1.3	0.3	-0.1	-0.9	0.2	-0.4	0.4
0.6	0.7	-2.4	-0.7	2.0	-1.6	-0.2	0.5	0.4	0.8	1.1	-0.8	-0.8	-0.3	-1.3	0.9
0.3	1.0	-0.2	-1.2	-1.4	-0.3	-0.9	0.9	1.7	1.3	-0.4	0.2	0.3	0.8	-0.1	-1.3
0.2	-0.5	0.6	-1.0	1.1	-2.0	-0.1	0.5	-0.4	1.8	1.1	0.5	-3.8	-0.02	-0.3	-0.7
2.2	0.04	0.4	1.4	0.3	-0.1	-0.4	0.8	0.6	1.4	-0.7	0.1	0.8	0.5	0.4	2.0
-0.3	0.3	0.6	-0.2	-0.5	-1.1	0.7	0.5	-0.04	0.4	-0.04	-0.3	-0.3	-0.1	0.1	0.5
-0.2	1.2	2.8	-1.3	-0.2	-0.3	0.3	0.8	-0.8	1.2	0.2	0.1	-1.2	1.5	1.7	-1.5
0.7	0.3	1.5	-2.6	-0.2	-0.3	-1.3	0.4	-0.9	1.3	0.3	-0.6	0.4	0.5	1.0	-0.2
-1.9	0.4	-0.1	5.4	-1.2	-0.4	1.9	2.5	0.5	0.4	-4.6	-0.4	-2.4	-0.01	0.1	4.3
-0.5	0.3	0.1	0.3	-0.6	-1.6	1.4	0.3	0.3	-0.1	0.3	-0.2	-0.2	-0.4	-0.3	0.5
0.7	-0.3	0.1	-0.7	0.5	-0.7	0.3	0.9	0.8	0.1	-0.1	0.7	0.2	-0.6	0.4	-0.1
0.4	-1.8	-0.2	0.4	0.8	0.5	0.4	0.9	0.8	-0.5	0.6	-0.4	-1.9	-1.2	-0.1	0.7
1.0	-0.2	0.1	-0.5	0.1	-0.8	-0.05	-0.1	0.9	0.8	-0.7	0.1	1.2	-0.6	0.3	-0.2
0.5	0.8	0.3	-1.4	0.5	-1.3	0.5	1.7	0.8	-0.1	-0.2	1.7	0.8	-0.2	0.7	-0.5
-0.8	0.6	0.1	0.4	0.4	0.3	-2.0	1.2	1.0	-0.3	-0.3	-0.6	-0.6	-0.6	-0.1	0.4
-1.4	0.6	0.2	0.9	0.8	0.1	-2.4	1.2	1.7	-0.3	-0.3	-0.3	-1.2	-0.9	-0.1	0.6
0.2	0.1	0.7	-1.3	-0.7	-0.01	0.3	1.9	-0.3	-0.4	-1.0	-0.6	0.6	-1.0	0.9	-0.3
0.7	1.1	-1.0	0.3	-0.6	1.7	-2.5	0.04	-0.5	-0.2	0.1	-1.5	0.8	1.3	-1.0	0.1
1.1	0.05	0.02	-0.5	0.6	-0.5	1.2	-0.5	0.0	0.3	-0.1	0.04	0.6	-0.4	-0.8	1.3
0.2	0.1	-0.1	-0.1	0.6	-0.4	0.9	-0.4	0.1	0.2	-0.2	0.03	0.5	-0.8	-2.7	4.1
2.0	0.04	-0.1	-1.2	0.3	-0.2	1.5	-1.3	0.5	-0.03	0.3	0.3	1.0	-0.3	0.02	-0.3
0.3	-0.1	0.1	-1.1	0.6	-0.6	1.4	-0.01	0.3	0.3	-0.04	-0.8	-0.3	0.4	0.8	-0.8
2.7	0.04	0.2	0.2	0.8	-1.0	1.2	-0.1	-1.1	0.5	-0.6	0.6	1.4	-0.5	0.4	-0.6
0.3	0.3	0.1	-0.1	0.3	-0.4	-0.2	0.6	0.7	0.2	-0.04	-0.1	-0.1	-0.3	-0.1	0.4

Jadual **1.3a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor
Table **1.3a** : Salaries and Wages Paid of Manufacturing Sector by Sub-sector

Subsektor Sub-sector	2022	2023	2023				2024		2023
			Q1	Q2	Q3	Q4	Q1		(Jan. - Apr.)
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	11,028	11,901	2,912	2,909	2,965	3,115	3,042		3,876
10 Pembuatan produk makanan <i>Manufacture of food products</i>	10,433	11,261	2,753	2,755	2,810	2,943	2,874		3,664
11 Pembuatan minuman <i>Manufacture of beverages</i>	532	573	141	139	139	154	151		189
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	63	66	18	16	15	18	17		23
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1,909	2,013	503	496	492	521	515		669
13 Pembuatan tekstil <i>Manufacture of textiles</i>	673	706	172	176	178	180	176		230
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	913	964	245	236	231	252	251		325
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	323	343	86	85	83	88	88		115
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	9,483	9,927	2,502	2,441	2,448	2,536	2,565		3,313
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2,584	2,710	678	662	677	693	694		900
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	2,100	2,148	548	523	527	550	554		723
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	2,242	2,382	594	600	584	605	623		790
31 Pembuatan perabot <i>Manufacture of furniture</i>	2,556	2,687	683	655	660	689	694		900
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	20,969	21,375	5,355	5,286	5,327	5,407	5,345		7,130
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	2,363	2,502	677	570	592	664	682		864
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	5,831	5,931	1,551	1,458	1,448	1,473	1,501		2,053
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	789	804	188	197	204	215	191		256
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	11,986	12,139	2,939	3,061	3,083	3,055	2,971		3,956
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	14,412	14,916	3,765	3,664	3,652	3,835	3,947		4,978
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	4,607	4,721	1,144	1,161	1,183	1,233	1,201		1,522
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	4,180	4,262	1,128	1,058	1,011	1,065	1,144		1,484
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	5,625	5,933	1,494	1,445	1,458	1,537	1,602		1,972
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	29,441	30,130	7,618	7,483	7,334	7,695	7,520		10,080
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	21,078	21,732	5,463	5,447	5,247	5,574	5,415		7,265
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	3,939	3,948	1,007	956	1,003	983	975		1,305
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	4,424	4,451	1,148	1,080	1,084	1,139	1,130		1,511
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	7,287	7,528	1,862	1,886	1,850	1,930	1,889		2,488
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3,526	3,625	878	913	898	936	891		1,179
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1,142	1,171	296	294	285	295	307		395
32 Pembuatan lain <i>Other manufacturing</i>	1,300	1,325	328	324	328	345	329		434
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	1,319	1,407	359	355	338	355	362		481
Pembuatan <i>Manufacturing</i>	Jumlah <i>Total</i>	94,528	97,789	24,517	24,165	24,068	25,039	24,823	32,534

(RM Juta/Million)																
2024	2023												2024			
(Jan. - Apr.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
4,048	978	972	962	964	973	972	978	978	1,009	1,012	1,014	1,089	1,046	1,002	994	1,006
3,824	925	919	909	911	922	921	928	927	956	958	957	1,028	989	947	938	950
202	48	47	47	47	46	45	45	45	49	49	51	54	51	50	50	51
22	6	6	6	5	5	5	5	5	5	5	5	7	6	6	6	5
685	173	164	166	166	167	163	162	163	168	167	173	181	177	168	170	170
235	59	56	57	58	59	59	59	59	60	60	60	61	60	57	59	59
333	86	79	80	80	79	76	77	76	79	78	84	90	87	82	82	82
117	29	29	29	28	28	28	27	27	29	29	29	30	30	29	29	29
3,402	843	832	827	811	823	808	809	816	823	830	835	870	859	857	850	837
925	226	228	224	222	222	218	224	226	227	229	230	233	234	231	230	231
730	180	186	182	175	174	174	173	175	179	182	180	188	184	186	183	176
832	204	193	197	197	203	200	196	197	191	193	199	213	204	210	209	209
915	233	225	224	217	223	215	216	218	226	226	226	237	237	229	228	221
7,108	1,770	1,753	1,831	1,775	1,747	1,764	1,768	1,783	1,777	1,783	1,771	1,853	1,778	1,756	1,810	1,764
871	216	212	249	188	187	195	190	194	208	217	207	240	216	216	250	188
1,991	509	512	530	502	472	484	489	483	476	480	478	515	493	497	510	490
259	65	61	62	68	64	65	67	69	68	70	67	78	66	62	63	68
3,988	981	968	990	1,017	1,024	1,020	1,022	1,037	1,024	1,016	1,019	1,021	1,003	981	987	1,017
5,242	1,272	1,248	1,244	1,213	1,236	1,215	1,204	1,209	1,239	1,244	1,250	1,341	1,337	1,303	1,307	1,294
1,605	393	373	379	379	392	390	389	390	404	403	408	422	406	393	402	403
1,515	382	375	370	356	356	346	336	334	341	342	342	381	391	377	376	371
2,122	498	501	495	478	488	479	479	485	494	498	499	539	540	532	530	520
9,916	2,529	2,571	2,518	2,462	2,518	2,503	2,398	2,438	2,498	2,484	2,478	2,733	2,527	2,523	2,470	2,396
7,150	1,794	1,849	1,820	1,801	1,832	1,814	1,712	1,738	1,798	1,787	1,793	1,993	1,810	1,821	1,784	1,736
1,278	343	337	327	298	326	332	333	337	333	327	316	340	330	323	321	303
1,487	393	384	371	363	360	357	354	363	367	370	368	400	386	380	365	356
2,534	617	624	621	626	635	624	613	616	621	625	628	677	627	633	629	646
1,200	292	297	289	301	306	306	297	300	301	303	302	332	298	302	290	309
410	96	98	103	98	100	96	96	93	96	98	97	99	100	101	107	103
440	111	109	109	106	110	108	108	110	111	111	111	122	108	109	111	111
485	119	120	120	122	119	115	113	113	113	113	118	124	120	121	121	123
32,935	8,183	8,164	8,170	8,017	8,100	8,049	7,932	8,001	8,135	8,146	8,149	8,744	8,350	8,243	8,230	8,112

Jadual **1.3b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Tahunan
Table **1.3b** : Salaries and Wages Paid of Manufacturing Sector by Sub-sector: Annual Percentage Change

Subsektor Sub-sector	2022	2023	2023				2024	
			Q1	Q2	Q3	Q4	Q1	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	6.6	7.9	7.8	6.9	8.3	8.6	4.5	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	6.7	7.9	7.8	6.9	8.3	8.8	4.4	
11 Pembuatan minuman <i>Manufacture of beverages</i>	4.8	7.7	6.9	8.3	8.5	7.2	6.7	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	2.6	4.8	4.5	8.5	5.2	1.7	-3.5	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	4.5	5.4	4.9	7.4	5.8	3.8	2.4	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	2.4	5.0	3.5	6.9	6.0	3.5	2.3	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	5.8	5.6	5.7	8.0	5.5	3.5	2.8	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	5.2	6.0	5.4	6.9	6.2	5.5	1.6	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	4.7	4.7	4.3	4.4	5.2	4.8	2.5	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	5.0	4.9	4.2	4.5	5.5	5.3	2.5	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	4.1	2.3	4.7	1.4	1.3	1.6	1.1	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	4.2	6.3	4.8	7.3	7.8	5.2	4.9	
31 Pembuatan perabot <i>Manufacture of furniture</i>	5.4	5.1	3.8	4.2	6.1	6.4	1.7	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	3.1	1.9	5.4	1.2	0.01	1.3	-0.2	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	1.6	5.9	7.7	7.1	2.6	6.1	0.8	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	2.7	1.7	4.5	2.5	0.2	-0.4	-3.2	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	10.0	1.9	4.6	0.7	0.9	1.9	1.4	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	3.1	1.3	5.5	-0.5	-0.6	1.1	1.1	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	4.0	3.5	3.1	3.1	3.7	4.0	4.8	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	6.2	2.5	1.9	1.3	2.7	3.9	5.0	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	3.3	1.9	3.2	2.8	1.4	0.4	1.5	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	2.8	5.5	4.1	4.9	6.2	6.8	7.2	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	7.4	2.3	3.2	4.0	1.8	0.5	-1.3	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	9.3	3.1	3.7	5.0	2.3	1.4	-0.9	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	2.8	0.2	1.4	1.7	0.7	-2.7	-3.1	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	3.1	0.6	2.3	0.9	0.2	-0.9	-1.5	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	4.2	3.3	2.3	3.5	3.9	3.5	1.4	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	3.4	2.8	0.7	2.7	4.3	3.5	1.4	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	4.2	2.5	2.4	1.7	1.4	4.6	3.7	
32 Pembuatan lain <i>Other manufacturing</i>	6.1	1.9	1.0	3.0	0.6	2.9	0.1	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	4.7	6.7	7.5	7.4	8.5	3.6	0.9	
Pembuatan	Jumlah Total	5.2	3.5	4.3	3.6	3.0	2.9	1.2

(%)																	
2023	2024	2023												2024			
(Jan. - Apr.)	(Jan. - Apr.)	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac.	Apr.
7.6	4.4	8.3	8.8	6.3	7.0	7.3	6.5	7.2	7.9	9.6	9.8	8.6	7.6	6.9	3.1	3.3	4.4
7.6	4.4	8.4	9.0	6.1	6.9	7.2	6.4	7.1	8.0	9.7	9.9	8.7	7.8	6.9	3.0	3.2	4.3
7.1	6.9	7.9	4.0	9.0	7.8	8.4	8.7	9.2	7.9	8.4	8.8	8.4	4.7	6.6	6.4	7.1	7.3
5.6	-3.3	3.8	4.1	5.6	9.7	8.3	7.6	5.3	5.1	5.2	4.0	1.1	0.5	-0.9	-5.8	-3.8	-2.6
5.4	2.4	4.9	4.2	5.6	7.0	6.9	8.4	6.3	5.5	5.5	5.3	4.0	2.3	2.3	2.4	2.5	2.1
4.3	2.3	4.1	1.5	4.9	6.8	7.2	6.6	5.8	6.7	5.3	4.5	3.2	3.0	2.6	1.9	2.2	2.3
6.2	2.6	5.7	5.5	6.0	7.7	6.6	9.8	5.6	5.0	5.9	5.7	4.1	1.0	2.2	3.0	3.4	2.0
5.4	1.8	4.3	5.9	6.1	5.3	7.1	8.5	9.7	4.3	4.9	6.1	5.7	4.8	2.3	1.7	0.9	2.2
4.2	2.7	4.1	4.5	4.4	4.0	5.0	4.2	5.1	5.5	5.1	5.2	4.7	4.4	1.9	3.0	2.7	3.2
4.3	2.8	2.5	5.1	5.0	4.7	4.6	4.1	5.4	5.8	5.2	5.8	6.0	4.1	3.5	1.5	2.5	4.0
3.9	0.9	4.1	5.0	4.9	1.8	1.7	0.8	0.7	1.1	2.1	3.2	1.3	0.5	2.3	0.3	0.8	0.4
5.2	5.2	5.1	4.5	4.7	6.6	8.2	7.1	7.4	8.0	7.9	5.5	4.7	5.4	0.1	8.9	5.8	6.3
3.6	1.7	4.8	3.3	3.2	2.9	5.2	4.6	6.4	6.6	5.2	5.8	6.3	7.2	1.5	1.7	1.9	2.0
5.0	-0.3	5.7	6.0	4.7	3.9	0.5	-0.8	-0.2	0.1	0.1	1.4	2.2	0.4	0.4	0.2	-1.2	-0.6
7.8	0.7	8.1	7.3	7.6	8.3	8.0	5.1	2.8	4.1	1.1	6.0	6.3	6.1	0.1	1.8	0.6	0.4
4.6	-3.0	4.4	4.6	4.4	5.0	1.4	1.2	0.1	0.4	0.1	0.7	0.2	-1.9	-3.1	-2.8	-3.8	-2.4
3.6	1.2	6.7	3.2	3.8	1.1	0.6	0.3	0.8	1.2	0.6	0.7	2.3	2.5	1.4	0.8	1.9	0.7
4.8	0.8	5.8	6.6	4.1	2.8	-1.2	-2.8	-0.9	-0.8	-0.2	0.8	2.3	0.1	2.3	1.4	-0.4	-0.1
3.0	5.3	2.9	3.8	2.8	2.7	3.5	3.2	3.2	3.8	4.1	3.8	3.6	4.5	5.1	4.4	5.0	6.7
1.5	5.4	4.0	1.6	0.1	0.2	1.8	2.0	1.6	3.0	3.7	3.3	4.4	4.0	3.5	5.5	6.1	6.5
3.1	2.1	3.4	3.3	2.8	2.7	3.3	2.3	2.2	1.1	1.0	0.5	0.2	0.5	2.3	0.7	1.4	4.1
4.3	7.6	1.6	5.8	5.0	4.8	5.0	4.8	5.4	6.4	6.7	6.8	5.6	8.0	8.5	6.3	6.9	8.8
3.3	-1.6	2.3	3.2	4.0	3.7	4.8	3.4	2.0	1.6	1.7	1.3	1.2	-0.8	-0.1	-1.8	-1.9	-2.7
3.9	-1.6	2.8	4.2	4.1	4.6	6.4	4.1	2.5	2.1	2.4	2.2	2.1	0.2	0.9	-1.5	-2.0	-3.6
1.6	-2.0	0.3	1.3	2.7	2.1	1.7	1.2	1.5	0.8	0.0	-1.2	-2.8	-4.1	-3.6	-4.0	-1.8	1.8
1.9	-1.6	1.7	0.5	4.8	1.0	0.2	1.6	0.2	0.1	0.1	-0.4	0.6	-2.6	-1.7	-1.3	-1.6	-1.7
2.1	1.9	2.4	2.3	2.2	1.6	5.1	3.8	4.4	3.8	3.6	3.6	3.7	3.4	1.6	1.4	1.3	3.1
0.6	1.8	1.0	0.4	0.9	0.3	4.3	3.7	5.0	4.1	3.8	3.9	3.7	2.9	2.4	1.6	0.3	2.8
2.0	3.9	3.7	2.7	1.0	0.7	2.4	2.0	2.2	1.0	0.8	3.1	5.2	5.6	4.4	3.1	3.5	4.6
1.2	1.3	0.3	0.1	2.8	1.9	6.1	1.2	0.9	0.3	0.7	3.5	2.8	2.3	-2.3	0.3	2.3	4.9
7.0	0.8	7.0	9.1	6.4	5.8	8.5	8.1	8.2	8.8	8.5	3.4	3.2	4.1	0.9	0.7	1.0	0.8
4.2	1.2	4.0	4.6	4.2	3.9	4.0	3.0	2.9	3.0	3.2	3.4	3.3	2.1	2.0	1.0	0.7	1.2

Jadual **1.3c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Subsektor: Perubahan Peratusan Bulanan/Suku Tahunan
Table **1.3c** : *Salaries and Wages Paid of Manufacturing Sector by Sub-sector: Monthly/Quarterly Percentage Change*

Subsektor Sub-sector	2023				2024	
	Q1	Q2	Q3	Q4	Q1	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	1.6	-0.1	1.9	5.1	-2.3	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	1.7	0.1	2.0	4.7	-2.4	
11 Pembuatan minuman <i>Manufacture of beverages</i>	-1.4	-1.9	0.2	10.5	-1.9	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	0.9	-11.6	-2.6	17.1	-4.4	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	0.2	-1.4	-0.7	5.9	-1.1	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	-1.3	2.1	1.3	1.4	-2.5	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	0.3	-3.6	-1.9	9.1	-0.3	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	3.2	-2.1	-1.6	6.2	-0.6	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	3.3	-2.4	0.3	3.6	1.1	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2.9	-2.2	2.3	2.3	0.2	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	1.3	-4.5	0.6	4.4	0.8	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	3.4	1.1	-2.8	3.6	3.0	
31 Pembuatan perabot <i>Manufacture of furniture</i>	5.5	-4.0	0.7	4.4	0.8	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	0.3	-1.3	0.8	1.5	-1.1	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	8.2	-15.8	4.0	12.0	2.8	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	4.9	-6.0	-0.7	1.7	1.9	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	-10.7	4.6	3.5	5.4	-11.2	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-2.8	4.2	0.7	-0.9	-2.8	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	2.1	-2.7	-0.3	5.0	2.9	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metalic mineral products</i>	-3.7	1.5	1.9	4.2	-2.6	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	6.3	-6.2	-4.4	5.3	7.4	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	3.8	-3.2	0.9	5.4	4.2	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	-0.5	-1.8	-2.0	4.9	-2.3	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	-0.6	-0.3	-3.7	6.2	-2.8	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	-0.4	-5.0	4.9	-2.0	-0.8	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	-0.1	-6.0	0.4	5.0	-0.8	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	-0.1	1.3	-1.9	4.4	-2.2	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	-2.9	4.0	-1.6	4.2	-4.8	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	5.1	-0.9	-2.9	3.5	4.2	
32 Pembuatan lain <i>Other manufacturing</i>	-2.0	-1.4	1.3	5.1	-4.7	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	4.8	-0.9	-4.8	4.8	2.1	
Pembuatan	Jumlah Total	0.8	-1.4	-0.4	4.0	-0.9

2023												2024			
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
-3.3	-0.6	-1.1	0.2	1.0	-0.1	0.6	-0.02	3.3	0.3	0.1	7.4	-4.0	-4.1	-0.9	1.2
-3.1	-0.6	-1.1	0.2	1.2	-0.1	0.7	-0.02	3.1	0.3	-0.1	7.4	-3.8	-4.2	-0.9	1.3
-6.8	-2.6	-0.2	1.6	-3.3	-0.8	-0.7	0.3	7.2	0.3	4.8	5.7	-5.2	-2.8	0.4	1.8
-17.0	7.0	-3.6	-10.5	-1.3	-0.4	-2.2	-3.8	8.8	3.5	-0.7	26.8	-18.2	1.8	-1.6	-9.4
-2.2	-5.0	0.8	0.3	0.7	-2.7	-0.2	0.1	3.1	-0.3	3.6	4.6	-2.1	-5.0	0.9	-0.1
-0.6	-4.2	1.9	0.8	2.8	-1.2	0.2	1.1	0.9	-0.3	0.4	1.3	-1.0	-4.8	2.2	0.9
-4.3	-7.2	0.5	0.5	-0.9	-4.2	0.6	-1.1	4.0	-0.8	7.3	7.6	-3.2	-6.5	0.9	-0.8
1.2	-0.3	-0.6	-1.4	0.6	-1.8	-3.4	1.7	5.3	1.2	0.1	2.4	-1.3	-0.8	-1.4	-0.2
1.1	-1.3	-0.5	-2.0	1.5	-1.8	0.1	0.8	0.9	0.9	0.6	4.2	-1.4	-0.2	-0.8	-1.5
0.8	0.8	-1.5	-1.0	0.2	-2.0	2.9	0.7	0.5	1.0	0.4	1.2	0.2	-1.1	-0.5	0.5
-3.4	3.0	-2.0	-3.8	-0.8	0.4	-1.0	1.2	2.6	1.8	-1.4	4.3	-1.7	1.0	-1.6	-4.1
0.8	-5.3	2.2	-0.3	3.4	-1.4	-2.4	0.7	-2.9	0.9	3.0	7.3	-4.3	3.1	-0.8	0.1
5.6	-3.3	-0.7	-3.0	2.8	-3.8	0.7	0.7	3.5	0.01	0.3	4.5	0.002	-3.1	-0.5	-2.9
-4.1	-1.0	4.5	-3.1	-1.5	0.9	0.2	0.9	-0.4	0.3	-0.7	4.7	-4.1	-1.2	3.1	-2.6
-4.7	-1.5	17.2	-24.6	-0.5	4.5	-2.6	2.1	6.9	4.3	-4.5	15.9	-10.1	0.2	15.8	-24.8
-3.1	0.5	3.7	-5.3	-6.1	2.6	1.1	-1.3	-1.3	0.8	-0.5	7.8	-4.3	0.9	2.6	-3.9
-14.2	-5.5	0.5	9.7	-4.9	0.4	2.8	3.9	-1.3	2.4	-3.6	15.4	-15.1	-6.1	1.7	8.4
-3.8	-1.4	2.3	2.7	0.7	-0.4	0.2	1.5	-1.2	-0.8	0.3	0.2	-1.7	-2.2	0.6	3.0
-0.8	-1.9	-0.3	-2.5	1.9	-1.7	-0.9	0.4	2.5	0.3	0.5	7.3	-0.3	-2.6	0.3	-1.0
-3.2	-5.1	1.7	-0.1	3.5	-0.4	-0.3	0.3	3.6	-0.1	1.2	3.3	-3.6	-3.3	2.3	0.3
1.0	-1.9	-1.2	-3.8	-0.1	-2.9	-2.9	-0.5	2.1	0.1	0.2	11.1	2.8	-3.5	-0.5	-1.2
-0.3	0.7	-1.1	-3.5	2.1	-1.9	0.0	1.2	2.0	0.8	0.2	7.9	0.2	-1.4	-0.5	-1.7
-8.2	1.6	-2.0	-2.2	2.3	-0.6	-4.2	1.6	2.5	-0.6	-0.3	10.3	-7.6	-0.1	-2.1	-3.0
-9.8	3.1	-1.6	-1.1	1.7	-0.9	-5.7	1.5	3.5	-0.6	0.3	11.1	-9.2	0.6	-2.0	-2.7
-3.3	-1.7	-2.8	-8.9	9.4	1.8	0.2	1.2	-1.0	-2.0	-3.2	7.4	-2.7	-2.1	-0.6	-5.5
-4.4	-2.1	-3.6	-2.1	-0.7	-0.9	-0.7	2.6	1.0	0.9	-0.5	8.7	-3.5	-1.7	-3.9	-2.2
-5.8	1.1	-0.4	0.8	1.4	-1.7	-1.8	0.4	0.8	0.8	0.4	7.8	-7.4	0.9	-0.5	2.6
-9.6	1.9	-2.5	3.9	1.9	-0.02	-3.0	1.1	0.2	0.6	-0.3	10.0	-10.0	1.1	-3.8	6.4
1.7	2.0	5.4	-4.8	1.5	-3.5	-0.5	-2.3	3.0	2.1	-0.8	2.0	0.6	0.7	5.9	-3.8
-7.4	-1.5	0.1	-2.8	4.3	-2.7	0.1	1.8	1.1	0.5	-0.1	9.9	-11.6	1.1	2.0	-0.3
0.3	0.9	-0.3	1.8	-2.4	-3.7	-1.5	-0.3	0.2	0.5	3.8	4.9	-2.8	0.6	0.1	1.5
-4.4	-0.2	0.1	-1.9	1.0	-0.6	-1.5	0.9	1.7	0.1	0.04	7.3	-4.5	-1.3	-0.2	-1.4

Jadual **1.4a** : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
Table : Sales Value of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
101	Pemprosesan dan pengawetan daging	8,809	9,315	2,269	2,393
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5,714	6,056	1,450	1,487
	10201 Pengetinan ikan, krustasea dan moluska				
	&	5,391	5,670	1,357	1,392
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska				
	Industri lain	323	386	93	94
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1,808	2,368	517	600
	10303 Pengetinan nanas				
	&	357	564	113	145
	10304 Pembuatan jem, marmalad dan sajian jeli				
	Industri lain	1,451	1,804	404	455
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	190,130	168,839	39,293	39,599
	10404 Pembuatan minyak sayuran mentah dan bertapis				
	&	20,492	20,650	4,976	5,227
	10406 Pembuatan sebatian lemak masakan				
	10405 Pembuatan minyak kelapa	1,536	1,231	315	271
	Industri lain	168,102	146,958	34,003	34,101
105	Pembuatan produk tenusu	12,117	12,107	3,056	3,180
	10502 Pembuatan susu pekat, tepung dan sejat	11,313	11,271	2,871	2,982
	Industri lain	804	836	184	199
106	Pembuatan produk bijian, kanji dan produk berkanji	10,613	11,151	2,757	2,802
	10611 Pengilangan beras	5,201	5,367	1,340	1,388
	10613 Pengilangan tepung	5,075	5,460	1,334	1,337
	Industri lain	336	324	83	77
107	Pembuatan produk makanan lain	58,413	63,250	14,981	15,669
	10711 Pembuatan biskut dan cookies	3,287	4,043	839	952
	10712 Pembuatan roti, kek dan produk bakeri lain	12,482	13,821	3,403	3,608
	10713 Pembuatan produk snek	2,830	3,309	698	797
	10721 Pembuatan gula	5,200	6,114	1,271	1,475
	10731 Pembuatan produk koko	3,402	3,612	903	869
	10732 Pembuatan coklat dan produk coklat				
	&	14,094	13,784	3,441	3,448
	10733 Pembuatan konfeksi gula				
	10793 Pembuatan sos dan bahan perasa	2,267	2,437	569	575
	10799 Pembuatan produk makanan lain t.t.t.l.	6,300	6,636	1,610	1,582
	Industri lain	8,552	9,493	2,247	2,364
108/ 10800	Pembuatan makanan haiwan tersedia	16,492	19,358	4,349	4,993
110	Pembuatan minuman ringan	12,717	13,055	3,204	3,131
	11041 Pembuatan minuman ringan	6,725	7,141	1,695	1,676
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	1,350	1,400	334	345
	Industri lain	4,643	4,514	1,174	1,111
120/ 12000	Pembuatan produk tembakau	3,410	4,010	1,196	996
131	Pemintalan, penenunan dan penyiapan tekstil	6,520	5,716	1,481	1,486
	13110 Penyediaan dan pemintalan gentian tekstil				
	&	4,842	4,266	1,147	1,138
	13120 Penenunan tekstil				
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	1,625	1,413	324	338
	Industri lain	53	37	11	9
139	Pembuatan tekstil lain	5,132	5,688	1,415	1,380
	13910 Pembuatan fabrik dikait dan dikrusye	2,306	2,264	584	569
	Industri lain	2,825	3,424	831	811
141	Pembuatan pakaian, kecuali pakaian berbulu	8,945	9,388	2,410	2,263
	14102 Pembuatan pakaian	7,847	8,293	2,096	2,009
	Industri lain	1,098	1,095	314	254
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	408	485	123	111
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1,857	1,997	508	439
152	Pembuatan kasut	781	879	215	210
	15201 Pembuatan kasut kulit				
	&	498	578	138	135
	15203 Pembuatan kasut getah				
	Industri lain	282	301	77	75
161/ 16100	Pengilangan dan pengetaman kayu	6,672	6,495	1,965	1,378

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)	
2,327	2,326	2,401	3,071	3,225	Processing and preserving of meat
1,552	1,568	1,496	1,916	1,991	Processing and preserving of fish, crustaceans and molluscs
					Canning of fish, crustaceans and molluscs
1,458	1,463	1,391	1,793	1,854	Processing, curing and preserving of fish, crustacean and molluscs
94	105	105	123	137	Other industry
620	630	640	705	858	Processing and preserving of fruits and vegetable
					Pineapple canning
150	156	154	154	204	Manufacture of jams, marmalades and table jellies
470	474	486	551	653	Other industry
42,807	47,140	39,213	52,165	53,152	Manufacture of vegetable and animal oils and fats
					Manufacture of crude and refined vegetable oil
5,286	5,162	5,065	6,687	6,525	Manufacture of compound cooking fats
307	338	369	396	477	Manufacture of coconut oil
37,214	41,640	33,779	45,081	46,150	Other industry
2,933	2,938	2,855	4,124	3,833	Manufacture of dairy products
2,707	2,710	2,621	3,878	3,520	Manufacture of condensed, powdered and evaporated milk
226	227	234	246	314	Other industry
2,767	2,824	2,927	3,693	3,940	Manufacture of grain mill products, starches and starch products
1,321	1,317	1,382	1,808	1,884	Rice milling
1,366	1,423	1,455	1,775	1,935	Flour milling
79	84	89	109	120	Other industry
15,954	16,646	16,626	19,956	22,340	Manufacture of other food products
1,060	1,193	1,075	1,126	1,448	Manufacture of biscuits and cookies
3,495	3,315	3,430	4,512	4,633	Manufacture of bread, cakes and other bakery products
859	955	988	949	1,336	Manufacture of snack products
1,609	1,759	1,626	1,696	2,180	Manufacture of sugar
887	953	1,109	1,183	1,495	Manufacture of cocoa products
					Manufacture of chocolate and chocolate products
3,365	3,531	3,540	4,577	4,772	Manufacture of sugar confectionery
621	672	666	772	898	Manufacture of sauces and condiments
1,631	1,813	1,680	2,138	2,220	Manufacture of other food products n.e.c.
2,427	2,455	2,513	3,004	3,358	Other industry
5,139	4,876	4,704	5,965	6,336	Manufacture of prepared animal feeds
3,284	3,436	3,399	4,322	4,595	Manufacture of beverages
1,839	1,931	1,885	2,302	2,565	Manufacture of soft drinks
372	349	341	455	461	Production of natural mineral waters and other bottled waters
1,073	1,156	1,174	1,565	1,570	Other industry
807	1,010	1,307	1,554	1,706	Manufacture of tobacco products
1,383	1,365	1,480	1,967	1,988	Spinning, weaving and finishing of textiles
					Preparation and spinning of textile fibres
1,012	968	1,077	1,523	1,456	Weaving of textiles
362	389	395	431	521	Dyeing, bleaching, printing and finishing of yarns and fabrics
9	8	9	14	11	Other industry
1,387	1,506	1,637	1,874	2,156	Manufacture of other textiles
546	565	617	774	818	Manufacture of knitted and crocheted fabrics
841	941	1,020	1,100	1,338	Other industry
2,276	2,439	2,506	3,171	3,301	Manufacture of wearing apparel, except fur apparel
2,029	2,159	2,186	2,770	2,884	Manufacture of clothings
247	280	321	401	417	Other industry
115	136	149	160	194	Manufacture of articles of fur, knitted and crocheted apparel
466	584	541	659	700	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
215	240	230	288	301	Manufacture of footwear
					Manufacture of leather footwear
143	163	156	184	202	Manufacture of rubber footwear
72	77	74	103	100	Other industry
1,458	1,694	1,798	2,525	2,345	Sawmilling and planning of wood

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Sales Value of Manufacturing Sector by Group (cont.)

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
101	Pemprosesan dan pengawetan daging	733	772	765	802	803	789	760
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	512	457	481	466	524	496	520
10201 & 10202	Pengetinan ikan, krustasea dan moluska	482	426	449	436	491	465	491
	Pemprosesan dan pengawetan ikan, krustasea dan moluska Industri lain	30	31	32	30	33	31	29
103	Pemprosesan dan pengawetan buah-buahan dansayur - sayuran	160	165	192	187	202	210	204
10303 & 10304	Pengetinan nanas	34	36	43	41	49	55	50
	Pembuatan jem, marmalad dan sajian jeli Industri lain	126	129	149	147	153	155	154
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	13,900	13,145	12,248	12,871	13,339	13,388	12,867
10404 & 10406	Pembuatan minyak sayuran mentah dan bertapis	1,582	1,687	1,707	1,711	1,821	1,695	1,671
10405	Pembuatan sebatian lemak masakan	119	103	93	82	103	86	95
	Pembuatan minyak kelapa Industri lain	12,199	11,355	10,449	11,078	11,415	11,607	11,100
105	Pembuatan produk tenusu	975	1,001	1,080	1,068	1,091	1,022	951
10502	Pembuatan susu pekat, tepung dan sejat Industri lain	908	943	1,020	1,007	1,023	952	880
		67	58	60	61	67	70	71
106	Pembuatan produk bijian, kanji dan produk berkanji	872	931	955	936	970	896	891
10611 & 10613	Pengilangan beras	400	470	470	468	493	426	427
	Pengilangan tepung Industri lain	443	434	457	441	451	445	438
		29	27	27	26	26	25	26
107	Pembuatan produk makanan lain	4,918	4,979	5,084	4,976	5,442	5,252	5,151
10711 & 10712	Pembuatan biskut dan cookies	265	286	288	288	333	331	351
10713	Pembuatan roti, kek dan produk bakeri lain	1,146	1,094	1,163	1,108	1,265	1,234	1,181
10721	Pembuatan produk snek	218	225	255	251	277	268	265
10731	Pembuatan gula	417	429	425	425	502	548	507
10732	Pembuatan produk koko	295	328	280	280	309	280	296
10732 & 10733	Pembuatan coklat dan produk coklat	1,156	1,136	1,148	1,136	1,214	1,098	1,071
10793	Pembuatan konfeksi gula	176	194	199	203	177	195	190
10799	Pembuatan sos dan bahan perasa	521	539	549	528	551	503	498
	Pembuatan produk makanan lain t.t.t.l. Industri lain	724	748	775	757	814	794	792
108/ 10800	Pembuatan makanan haiwan tersedia	1,400	1,432	1,518	1,616	1,698	1,680	1,712
110	Pembuatan minuman ringan	1,047	1,043	1,114	1,118	1,049	964	1,065
11041 & 11042	Pembuatan minuman ringan	537	556	603	606	543	527	633
	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan Industri lain	101	113	121	121	115	108	119
		410	374	390	391	391	329	313
120/ 12000	Pembuatan produk tembakau	394	349	452	359	376	262	258
131	Pemintalan, penenunan dan penyiapan tekstil	510	465	506	486	510	490	470
13110 & 13120	Penyediaan dan pemintalan gentian tekstil	397	360	390	376	398	365	352
13132	Penenunan tekstil	110	101	113	107	109	122	115
	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik Industri lain	4	3	3	3	3	3	3
139	Pembuatan tekstil lain	473	473	469	459	459	462	455
13910	Pembuatan fabrik dikait dan dikrusye	194	195	195	190	189	190	181
	Industri lain	279	278	274	269	270	272	274
141	Pembuatan pakaian, kecuali pakaian berbulu	800	806	804	761	769	733	774
14102	Pembuatan pakaian	704	703	689	674	685	650	693
	Industri lain	97	102	115	87	84	83	81
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	39	41	42	37	37	37	36
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	171	165	173	151	151	137	140
152	Pembuatan kasut	74	69	72	73	70	67	69
15201 & 15203	Pembuatan kasut kulit	49	44	46	46	45	44	45
	Pembuatan kasut getah Industri lain	25	25	27	26	25	23	24
161/ 16100	Pengilangan dan pengetaman kayu	618	631	716	560	452	366	382

2024									Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
782	784	784	797	745	789	810	803	823	Processing and preserving of meat
514	518	534	526	508	531	474	491	495	Processing and preserving of fish, crustaceans and molluscs
483	483	500	490	473	495	439	458	463	Canning of fish, crustaceans and molluscs
31	34	34	35	35	36	35	34	32	Processing, curing and preserving of fish, crustacean and molluscs
201	215	212	215	204	221	206	214	218	Processing and preserving of fruits and vegetable
48	52	54	53	49	52	49	53	51	Pineapple canning
153	163	158	161	155	169	156	161	167	Manufacture of jams, marmalades and table jellies
13,984	15,956	16,104	15,540	15,496	15,661	11,973	11,579	13,939	Manufacture of vegetable and animal oils and fats
1,780	1,834	1,792	1,628	1,741	1,836	1,604	1,625	1,461	Manufacture of crude and refined vegetable oil
105	107	117	100	121	120	127	122	108	Manufacture of compound cooking fats
12,098	14,016	14,195	13,811	13,634	13,705	10,243	9,832	12,371	Manufacture of coconut oil
1,008	974	997	1,014	927	927	932	995	979	Manufacture of dairy products
933	895	918	938	854	845	856	919	899	Manufacture of condensed, powdered and evaporated milk
75	79	79	76	72	82	76	76	80	Other industry
919	957	953	944	927	981	917	1,029	1,013	Manufacture of grain mill products, starches and starch products
437	457	448	435	435	450	424	509	502	Rice milling
456	472	477	482	465	501	465	490	480	Flour milling
25	28	28	28	28	30	28	31	31	Other industry
5,362	5,441	5,530	5,633	5,483	5,573	5,383	5,670	5,714	Manufacture of other food products
353	356	384	410	399	368	334	373	372	Manufacture of biscuits and cookies
1,212	1,103	1,110	1,111	1,094	1,173	1,103	1,155	1,203	Manufacture of bread, cakes and other bakery products
289	305	309	327	319	339	300	349	349	Manufacture of snack products
529	572	592	605	562	535	539	552	554	Manufacture of sugar
295	296	321	320	313	370	375	364	386	Manufacture of cocoa products
1,135	1,159	1,155	1,204	1,172	1,143	1,148	1,248	1,232	Manufacture of chocolate and chocolate products
208	223	223	223	226	225	219	222	232	Manufacture of sugar confectionery
542	592	609	614	590	577	555	548	540	Manufacture of sauces and condiments
799	836	828	820	807	843	812	858	845	Manufacture of other food products n.e.c.
1,711	1,717	1,729	1,668	1,479	1,538	1,521	1,646	1,632	Manufacture of prepared animal feeds
1,124	1,095	1,231	1,117	1,089	1,115	1,091	1,193	1,196	Manufacture of beverages
619	587	685	616	630	628	592	665	680	Manufacture of soft drinks
127	126	123	117	109	109	114	118	120	Production of natural mineral waters and other bottled waters
377	383	423	384	350	379	384	411	396	Other industry
286	263	350	338	322	410	407	490	399	Manufacture of tobacco products
478	435	444	458	463	519	476	485	508	Spinning, weaving and finishing of textiles
352	308	310	325	333	375	341	361	379	Preparation and spinning of textile fibres
123	124	131	131	127	141	132	121	126	Weaving of textiles
3	3	3	3	2	3	3	2	2	Dyeing, bleaching, printing and finishing of yarns and fabrics
462	469	493	510	502	552	542	544	519	Manufacture of other textiles
184	180	187	191	188	206	205	206	201	Manufacture of knitted and crocheted fabrics
278	289	306	319	315	345	337	338	318	Other industry
746	756	786	845	809	850	785	870	795	Manufacture of wearing apparel, except fur apparel
668	668	694	747	718	748	680	757	698	Manufacture of clothings
78	89	91	98	91	102	105	113	97	Other industry
35	43	46	48	43	49	49	51	45	Manufacture of articles of fur, knitted and crocheted apparel
154	172	190	206	187	182	176	184	159	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
75	71	77	81	81	82	74	74	71	Manufacture of footwear
50	48	52	55	55	56	49	51	46	Manufacture of leather footwear
25	23	25	26	26	26	25	23	25	Manufacture of rubber footwear
555	522	583	564	547	606	534	658	547	Sawmilling and planning of wood

Jadual
Table

1.4a

: Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
: Sales Value of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	19,222	18,113	5,538	3,598
16211	Pembuatan kepingan venier dan papan lapis	9,087	9,198	2,846	1,779
16212	Pembuatan papan partikel dan papan gentian	5,885	5,112	1,543	1,046
16221	Pertukangan kayu untuk jurubina	2,156	2,034	621	394
	Industri lain	2,094	1,769	527	380
170	Pembuatan kertas dan produk kertas	28,260	29,883	7,561	7,377
17010	Pembuatan pulpa, kertas dan kertas tebal	5,903	5,677	1,471	1,339
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	10,746	10,374	2,688	2,527
17091	Pembuatan sampul surat dan kad surat	374	375	102	95
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	5,998	6,791	1,740	1,725
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	3,284	3,906	941	1,019
	Industri lain	1,955	2,760	618	672
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	13,709	14,526	3,812	3,452
18110	Percetakan	10,953	11,353	2,899	2,677
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	2,756	3,172	913	776
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	249,901	224,749	55,680	56,542
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	74,078	68,175	18,784	16,292
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	2,036	1,706	529	385
20112 & 20113	Pembuatan kimia organik asas	38,698	34,217	9,870	7,970
20121 & 20129	Pembuatan sebatian bukan organik	5,859	4,778	1,417	1,241
20131	Pembuatan baja	21,813	22,266	5,553	5,399
	Pembuatan produk campuran nitrogen	5,671	5,208	1,415	1,298
202 & 203	Pembuatan plastik dalam bentuk primer				
20210	Pembuatan produk kimia lain dan serat buatan manusia	37,507	44,200	10,849	10,495
20221	Pembuatan racun perosak dan produk agrokimia lain	4,109	5,078	1,246	1,209
20222	Pembuatan cat, varnis dan penyadur dan mastik	10,181	13,718	3,126	3,314
20231	Pembuatan dakwat cetak	1,149	1,107	293	281
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	13,833	15,295	3,845	3,646
20291 & 20292	Pembuatan pewangi dan penyediaan dandanan diri				
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	7,509	8,240	2,128	1,885
20299	Pembuatan dakwat menulis dan melukis				
	Pembuatan produk kimia lain t.t.t.l.	726	762	210	161
210	Industri lain				
21001	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10,181	10,708	2,702	2,629
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	8,413	8,789	2,218	2,186
	Industri lain	1,768	1,919	484	443
221	Pembuatan produk getah	65,736	59,737	14,721	16,387
22111	Pembuatan tayar getah untuk kenderaan	4,203	2,600	747	694
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	682	867	210	213
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	7,313	6,074	1,504	1,475
22193	Pengilangan semula getah dan prosesan susu getah				
22192	Pembuatan sarung tangan getah	46,911	44,199	10,824	12,555
22199	Pembuatan produk getah lain yang t.t.t.l.	6,626	5,997	1,436	1,449
222	Pembuatan produk plastik	61,804	61,440	14,170	15,832
22201	Pembuatan produk plastik separa siap				
22201 & 22202	Pembuatan produk plastik siap	16,740	15,859	3,823	4,204
22203	Pembuatan artikel plastik untuk pembungkusan barangan	21,473	21,068	4,817	5,424
22204	Pembuatan barangan plastik jurubina	2,163	3,053	622	760
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	7,037	7,594	1,718	2,136
22209	Pembuatan pelbagai produk plastik t.t.t.l.	14,390	13,866	3,190	3,308
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	5,410	5,230	1,412	1,304

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)	
3,895	5,082	5,611	7,004	7,161	Manufacture of products of wood, cork, straw and plaiting materials
1,939	2,634	2,923	3,586	3,710	Manufacture of veneer sheets and plywood
1,110	1,413	1,559	1,963	1,995	Manufacture of particle board and fibreboard
449	570	621	777	788	Manufacture of builders' carpentry
396	465	508	678	668	Other industry
7,381	7,564	7,711	10,145	10,323	Manufacture of paper and paper products
1,387	1,479	1,494	1,929	1,973	Manufacture of pulp, paper and paperboard
2,531	2,629	2,459	3,576	3,291	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
90	88	87	136	120	Manufacture of envelopes and letter-card
1,689	1,638	1,758	2,356	2,370	Manufacture of household and personal hygiene paper
963	983	1,098	1,311	1,488	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
722	748	814	837	1,082	Other industry
3,457	3,804	3,948	5,002	5,228	Printing, service activities related to printing and reproduction of recorded media
2,737	3,041	3,187	3,822	4,233	Printing
720	764	762	1,179	995	Service activities related to printing
					Reproduction of recorded media
58,478	54,050	48,509	73,742	65,627	Manufacture of refined petroleum products
16,825	16,274	17,271	24,228	23,076	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
367	424	449	661	618	Manufacture of liquefied or compressed inorganic industrial or medical gases
8,360	8,018	8,901	12,648	12,067	Manufacture of basic organic chemicals
					Manufacture of inorganic compounds
					Manufacture of fertilizers
1,108	1,013	910	1,842	1,219	Manufacture of associated nitrogen products
5,713	5,600	5,695	7,228	7,409	Manufacture of plastics in primary forms
1,276	1,220	1,317	1,848	1,764	Other industry
11,343	11,514	12,324	14,130	16,113	Manufacture of other chemical products and man-made fibres
1,327	1,295	1,297	1,641	1,685	Manufacture of pesticides and other agrochemical products
3,611	3,668	4,315	4,125	5,643	Manufacture of paints, varnishes and similar coatings ink and mastics
276	257	314	384	421	Manufacture of printing ink
3,965	3,838	4,062	4,965	5,262	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
1,992	2,235	2,152	2,746	2,872	Manufacture of writing and drawing ink
					Manufacture of other chemical products n.e.c.
171	221	184	270	229	Other industry
2,714	2,663	2,848	3,600	3,813	Manufacture of pharmaceuticals, medicinal chemical and botanical products
2,206	2,180	2,324	2,974	3,138	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
508	484	524	626	675	Other industry
14,416	14,213	15,366	20,391	21,406	Manufacture of rubber products
620	540	512	972	697	Manufacture of rubber tyres for vehicles
216	228	220	278	292	Manufacture of interchangeable tyre treads and retreading rubber tyres
1,448	1,647	1,609	1,994	2,169	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
					Rubber remilling and latex processing
10,591	10,229	11,433	15,228	16,129	Manufacture of rubber gloves
1,541	1,570	1,591	1,919	2,120	Manufacture of other rubber products n.e.c.
15,778	15,660	14,931	19,476	20,680	Manufacture of plastics products
					Manufacture of semi-manufactures of plastic products
3,996	3,836	3,724	5,194	5,098	Manufacture of finished plastic products
5,431	5,395	5,141	6,617	7,180	Manufacture of plastic articles for the packing of goods
839	832	768	876	1,038	Manufacture of builders' plastics ware
1,970	1,770	1,683	2,439	2,376	Manufacture of plastic tableware, kitchenware and toilet articles
3,542	3,826	3,616	4,351	4,988	Manufacture of diverse plastic products n.e.c.
1,212	1,303	1,477	1,859	1,946	Manufacture of glass and glass products

Jadual
Table

1.4a

: Nilai Jualan Sektor Pembuatan Mengikut Kumpulan (samb.)
: Sales Value of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1,862	1,784	1,891	1,466	1,159	972	970
16211	Pembuatan kepingan venier dan papan lapis	960	917	969	741	569	468	460
16212	Pembuatan papan partikel dan papan gentian	505	498	540	419	344	282	282
16221	Pertukangan kayu untuk jurubina	221	196	203	156	125	114	122
	Industri lain	176	173	179	151	121	108	106
170	Pembuatan kertas dan produk kertas	2,418	2,505	2,639	2,584	2,437	2,356	2,354
17010	Pembuatan pulpa, kertas dan kertas tebal	498	512	461	458	467	414	417
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	868	878	942	888	845	794	806
17091	Pembuatan sampul surat dan kad surat	36	31	35	33	31	31	30
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	540	566	634	616	566	543	540
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	282	309	350	369	298	351	327
	Industri lain	193	209	216	219	230	223	233
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	1,262	1,284	1,266	1,189	1,132	1,131	1,143
18110	Percetakan	948	969	982	923	875	879	899
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	314	315	284	266	257	252	245
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	21,738	16,662	17,279	18,063	19,413	19,065	18,598
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	6,184	6,168	6,432	5,444	5,510	5,338	5,404
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	198	177	154	132	137	116	128
20112 & 20113	Pembuatan kimia organik asas	3,255	3,264	3,351	2,778	2,602	2,590	2,646
20121 & 20129	Pembuatan sebatian bukan organik	485	455	477	425	463	353	349
20131	Pembuatan produk campuran nitrogen	1,774	1,804	1,975	1,676	1,874	1,850	1,863
	Pembuatan plastik dalam bentuk primer	473	468	474	434	435	429	419
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	3,618	3,460	3,771	3,282	3,591	3,622	3,665
20210	Pembuatan racun perosak dan produk agrokimia lain	435	389	423	394	378	436	435
20221	Pembuatan cat, varnis dan penyadur dan mastik	982	984	1,160	999	1,153	1,163	1,143
20222	Pembuatan dakwat cetak	101	96	96	90	95	95	96
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	1,245	1,244	1,357	1,120	1,270	1,255	1,305
20291 & 20292	Pembuatan pewangi dan penyediaan dandanan diri							
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	785	681	662	618	643	624	627
20299	Pembuatan dakwat menulis dan melukis							
	Pembuatan produk kimia lain t.t.t.l.	71	66	72	60	53	48	60
	Industri lain							
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	875	885	942	898	821	910	885
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	719	725	774	756	682	748	717
	Industri lain	156	159	168	142	139	162	167
221	Pembuatan produk getah	4,562	4,251	5,907	5,670	5,446	5,270	5,092
22111	Pembuatan tayar getah untuk kenderaan	254	239	254	226	239	229	224
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	61	71	78	68	73	72	68
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	509	463	531	490	497	488	496
22193	Pengilangan semula getah dan prosesan susu getah							
22192	Pembuatan sarung tangan getah	3,259	3,024	4,542	4,403	4,167	3,984	3,782
22199	Pembuatan produk getah lain yang t.t.t.l.	479	454	503	483	470	497	522
222	Pembuatan produk plastik	4,539	4,530	5,101	5,306	5,533	4,993	5,287
22201 & 22202	Pembuatan produk plastik separa siap	1,210	1,240	1,373	1,371	1,464	1,368	1,358
22203	Pembuatan produk plastik siap							
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,565	1,555	1,698	1,799	1,921	1,703	1,842
22204	Pembuatan barangan plastik jurubina	162	201	260	254	264	241	276
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	560	507	651	721	714	702	676
22209	Pembuatan pelbagai produk plastik t.t.t.l.	1,043	1,028	1,120	1,161	1,169	978	1,134
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	474	454	484	447	445	412	419

2024									Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
1,370	1,555	1,728	1,697	1,657	1,876	1,757	1,978	1,550	Manufacture of products of wood, cork, straw and plaiting materials
672	807	906	886	842	969	930	1,025	786	Manufacture of veneer sheets and plywood
386	442	470	465	477	531	470	558	436	Manufacture of particle board and fibreboard
168	159	196	193	181	201	201	219	168	Manufacture of builders' carpentry
144	146	156	153	157	175	157	176	160	Other industry
2,495	2,533	2,531	2,534	2,499	2,579	2,537	2,595	2,612	Manufacture of paper and paper products
478	492	502	488	489	507	519	469	479	Manufacture of pulp, paper and paperboard
839	886	889	879	861	863	762	834	832	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
30	30	30	29	29	30	28	29	33	Manufacture of envelopes and letter-card
587	562	540	559	539	555	574	628	612	Manufacture of household and personal hygiene paper
317	319	327	323	333	352	388	358	390	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
244	245	242	255	250	272	266	276	268	Other industry
1,148	1,165	1,151	1,341	1,312	1,321	1,316	1,310	1,279	Printing, service activities related to printing and reproduction of recorded media
904	934	910	1,081	1,050	1,059	1,056	1,071	1,046	Printing
244	231	242	260	262	262	260	239	233	Service activities related to printing
									Reproduction of recorded media
20,301	19,579	19,927	18,597	15,525	17,176	15,204	16,129	17,118	Manufacture of refined petroleum products
5,980	5,440	5,289	5,472	5,513	5,877	5,607	5,788	5,805	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
124	115	126	156	143	144	143	162	169	Manufacture of liquefied or compressed inorganic industrial or medical gases
3,017	2,697	2,494	2,724	2,799	3,011	2,939	2,950	3,166	Manufacture of basic organic chemicals
402	357	359	339	315	290	272	348	309	Manufacture of inorganic compounds
1,987	1,863	1,889	1,856	1,855	1,962	1,829	1,903	1,714	Manufacture of fertilizers
451	407	422	396	401	470	423	424	447	Manufacture of associated nitrogen products
3,860	3,818	3,789	3,826	3,899	4,446	3,772	4,106	3,788	Manufacture of plastics in primary forms
452	441	463	432	400	448	436	413	388	Other industry
1,250	1,218	1,195	1,189	1,284	1,515	1,285	1,514	1,328	Manufacture of other chemical products and man-made fibres
95	85	77	91	89	110	98	107	107	Manufacture of pesticides and other agrochemical products
1,377	1,284	1,246	1,282	1,310	1,539	1,231	1,292	1,199	Manufacture of paints, varnishes and similar coatings ink and mastics
641	725	742	758	735	768	663	721	720	Manufacture of printing ink
45	66	66	75	80	65	59	59	46	Manufacture of soap and detergents, cleaning and polishing preparations
905	925	933	871	859	904	942	1,001	965	Manufacture of perfumes and toilet preparations
737	752	756	720	703	730	768	826	814	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
168	173	176	152	155	174	175	175	151	Manufacture of writing and drawing ink
4,577	4,748	4,914	4,733	4,566	4,890	4,468	6,007	6,041	Manufacture of other chemical products n.e.c.
201	195	203	170	167	177	165	171	185	Other industry
70	78	79	77	72	75	68	77	72	Manufacture of pharmaceuticals, medicinal chemical and botanical products
473	479	542	553	552	552	492	564	560	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
3,332	3,478	3,569	3,412	3,248	3,527	3,248	4,658	4,696	Other industry
501	518	522	521	527	559	495	537	529	Manufacture of rubber products
5,263	5,229	5,212	5,265	5,183	4,937	4,742	5,252	5,749	Manufacture of rubber tyres for vehicles
1,302	1,336	1,310	1,264	1,262	1,234	1,161	1,329	1,375	Manufacture of interchangeable tyre treads and retreading rubber tyres
1,803	1,786	1,786	1,838	1,771	1,680	1,657	1,804	2,039	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
279	284	279	294	259	248	241	279	271	Rubber remilling and latex processing
664	631	634	562	573	564	527	592	692	Manufacture of rubber gloves
1,215	1,193	1,202	1,308	1,317	1,212	1,156	1,248	1,372	Manufacture of other rubber products n.e.c.
417	376	386	449	467	506	486	485	469	Manufacture of plastics products
									Manufacture of semi-manufactures of plastic products
									Manufacture of finished plastic products
									Manufacture of plastic articles for the packing of goods
									Manufacture of builders' plastics ware
									Manufacture of plastic tableware, kitchenware and toilet articles
									Manufacture of diverse plastic products n.e.c.

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
Table : Sales Value of Manufacturing Sector by Group

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	43,875	47,547	12,693	11,322
23911 & 23921	Pembuatan mortar refraktori dan konkrit				
		2,277	2,458	629	588
23930	Pembuatan seramik bukan refraktori				
23941	Pembuatan produk porselin dan seramik lain	1,089	1,012	262	243
23951	Pembuatan simen hidrolik	10,925	12,283	3,383	2,970
23952 & 23953 & 23959	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	8,191	8,934	2,404	2,138
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;				
23953 & 23959	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	15,461	16,587	4,325	3,901
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.				
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	4,414	4,620	1,242	1,062
	Industri lain	1,518	1,653	449	419
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	29,018	30,976	8,308	6,719
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	24,571	24,813	6,819	5,533
243	Pengacuan logam	620	667	157	166
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	28,731	32,069	8,155	8,090
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	20,096	22,561	5,823	5,770
25120	Pembuatan produk struktur logam lain				
	Pembuatan tangki, takungan dan kontena daripada logam	7,862	8,681	2,106	2,113
	Industri lain	773	827	226	207
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	35,818	38,167	9,607	9,275
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	5,194	5,470	1,347	1,350
25920	Rawatan dan penyalutan logam; menggunakan mesin	3,556	4,010	1,117	942
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	5,846	6,221	1,467	1,461
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	12,166	11,949	3,078	2,970
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya				
25994	Pembuatan barangan rumah daripada logam	260	294	73	72
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	7,898	8,930	2,217	2,176
	Industri lain	899	1,293	308	305
261	Pembuatan komponen dan papan elektronik	346,163	354,760	91,403	86,283
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	206,533	200,443	51,831	47,614
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro				
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik				
26104 & 26105	Pembuatan papan litar bercetak	128,538	139,308	36,755	35,195
26105	Pembuatan komponen paparan				
26109	Pembuatan komponen lain untuk aplikasi elektronik	11,092	15,010	2,817	3,475
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	50,499	51,617	12,823	14,482
263/ 26300	Pembuatan peralatan komunikasi	14,515	20,566	4,038	5,251
264/ 26400	Pembuatan peralatan elektronik pengguna	42,850	42,208	9,986	9,727
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	18,336	18,911	4,552	3,959
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	16,116	16,835	4,103	3,521
26520	Pembuatan kelengkapan kawalan proses perindustrian				
	Pembuatan jam tangan dan jam dan bahagiannya	2,220	2,076	448	438
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	5,147	5,382	1,273	1,203

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)	
11,373	12,159	13,691	16,627	18,025	Manufacture of non-metallic mineral products n.e.c. Manufacture of refractory mortars and concretes
602	639	661	826	861	Manufacture of non-refractory ceramic
246	261	226	342	305	Manufacture of other porcelain and ceramic products
2,873	3,057	3,473	4,443	4,592	Manufacture of hydraulic cement
2,148	2,243	2,529	3,122	3,322	Manufacture of ready-mix and dry-mix concrete and mortars
					Manufacture of precast concrete, cement or artificial stone articles for use in construction
4,011	4,349	5,066	5,684	6,666	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone Manufacture of other articles of concrete, cement and plaster n.e.c.
1,102	1,214	1,331	1,615	1,745	Manufacture of other non-metallic mineral products n.e.c.
391	395	405	593	534	Other industry
7,201	8,748	8,906	10,749	11,705	Manufacture of basic iron and steel
5,476	6,986	6,795	9,060	9,151	Manufacture of basic precious and other non-ferrous metals
168	177	188	212	258	Casting of metals
7,579	8,244	9,084	10,884	12,134	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition Manufacture of metal doors, windows and their frames, shutters and gates Manufacture of other structural metal products
5,266	5,702	6,415	7,758	8,557	Manufacture of tanks, reservoirs and containers of metal
2,113	2,349	2,478	2,831	3,329	Other industry
200	193	191	295	249	
9,153	10,132	10,928	12,808	14,815	Manufacture of other fabricated metal products; metal working service activities Forging, pressing, stamping and roll-forming of metal; powder metallurgy Treatment and coating of metals; machining Manufacture of tins and cans for food products, collapsible tubes and boxes Manufacture of metal cable, plaited bands and similar articles Manufacture of bolts, screws, nuts and similar threaded products
1,370	1,404	1,385	1,802	1,862	Manufacture of metal household articles
881	1,070	1,379	1,447	1,906	Manufacture of any other fabricated metal products n.e.c.
1,563	1,730	1,848	1,949	2,478	Other industry
2,814	3,086	3,469	4,072	4,688	
73	76	81	98	108	
2,125	2,412	2,402	3,025	3,279	
327	353	364	416	494	
92,043	85,031	89,828	118,867	116,666	Manufacture of electronic components and boards Manufacture of diodes, transistors and similar semiconductor devices Manufacture of electronic integrated circuits micro assemblies
53,011	47,987	50,810	66,496	65,794	Manufacture of electrical capacitors and resistors
34,826	32,532	33,996	48,518	44,425	Manufacture of printed circuit boards
4,205	4,513	5,021	3,852	6,447	Manufacture of display components Manufacture of other components for electronic applications
11,940	12,372	15,321	18,270	22,369	Manufacture of computers and peripheral equipment
6,011	5,266	5,349	5,629	7,068	Manufacture of communication equipment
11,729	10,766	9,668	13,163	12,539	Manufacture of consumer electronics
4,897	5,503	5,135	5,746	6,589	Manufacture of measuring, testing, navigating and control equipment; watches and clocks Manufacture of measuring, testing, navigating and control equipment Manufacture of industrial process control equipment
4,315	4,895	4,648	5,165	5,963	Manufacture of watches and clocks and parts
582	608	487	581	626	
1,334	1,572	1,598	1,662	2,040	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Sales Value of Manufacturing Sector by Group (cont.)

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	4,113	4,221	4,359	3,934	3,686	3,702	3,719
23911 & 23921	Pembuatan mortar refraktori dan konkrit	202	210	217	198	198	193	187
23930	Pembuatan produk porselin dan seramik lain	93	88	81	81	83	80	83
23941	Pembuatan simen hidrolik	1,109	1,113	1,161	1,061	951	957	962
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	782	802	820	718	709	711	721
23952 & 23953	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; atau kejuruteraan awam dari simen, batu atau konkrit buatan	1,393	1,437	1,495	1,359	1,256	1,286	1,295
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.							
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	387	428	427	373	350	340	344
	Industri lain	148	144	157	144	140	135	127
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,654	2,742	2,912	2,441	2,174	2,104	1,972
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	2,236	2,255	2,327	2,241	1,853	1,438	1,362
243	Pengacuan logam	52	51	54	55	54	57	49
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	2,817	2,584	2,753	2,729	2,673	2,688	2,515
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	1,991	1,891	1,941	1,935	1,927	1,908	1,702
25120	Pembuatan produk struktur logam lain							
	Pembuatan tangki, takungan dan kontena daripada logam	749	620	736	725	677	711	743
	Industri lain	77	73	76	68	69	70	70
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3,238	3,256	3,114	3,201	3,058	3,016	3,002
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	451	439	457	455	445	450	454
25920	Rawatan dan penyalutan logam; menggunakan mesin	405	389	324	329	305	307	304
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	487	494	487	482	488	491	492
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	1,029	1,050	1,000	994	998	978	943
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya							
25999	Pembuatan barangan rumah daripada logam	25	24	24	25	24	23	25
	Pembuatan produk lain yang direka daripada logam t.t.t.l.	741	759	717	808	695	673	683
	Industri lain	101	101	106	108	102	95	104
261	Pembuatan komponen dan papan elektronik	26,192	30,366	34,845	27,463	27,561	31,258	28,660
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	15,208	16,733	19,891	14,665	15,171	17,778	16,886
26103 & 26104	Pembuatan litar elektronik bersepadu dengan pemasangan mikro							
26105	Pembuatan kapasitor dan perintang elektrik	10,127	12,740	13,888	11,764	11,262	12,169	10,545
26109	Pembuatan komponen paparan	858	894	1,065	1,035	1,129	1,311	1,228
262 (26201 & 26202)	Pembuatan komponen lain untuk aplikasi elektronik							
263/ 26300	Pembuatan komputer dan kelengkapan peranti	4,127	4,527	4,168	5,447	4,606	4,428	4,360
264/ 26400	Pembuatan peralatan komunikasi	1,190	1,242	1,605	1,591	1,652	2,008	1,685
265	Pembuatan peralatan elektronik pengguna	3,048	3,165	3,773	3,177	3,240	3,310	3,563
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1,600	1,370	1,582	1,195	1,274	1,490	1,482
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	1,440	1,231	1,433	1,062	1,135	1,324	1,291
26520	Pembuatan kelengkapan kawalan proses perindustrian							
	Pembuatan jam tangan dan jam dan bahagiannya	161	139	149	133	139	166	191
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	398	407	468	389	383	430	403

2024									Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
3,816	3,839	3,728	4,164	4,267	4,634	4,383	4,673	4,335	Manufacture of non-metallic mineral products n.e.c.
195	219	207	219	213	229	213	219	200	Manufacture of refractory mortars and concretes
85	79	85	89	87	79	76	72	79	Manufacture of non-refractory ceramic
967	944	942	1,065	1,050	1,139	1,114	1,219	1,119	Manufacture of other porcelain and ceramic products
722	706	677	769	797	853	809	867	793	Manufacture of hydraulic cement
									Manufacture of ready-mix and dry-mix concrete and mortars
									Manufacture of precast concrete, cement or artificial stone articles for use in construction
1,350	1,366	1,306	1,471	1,572	1,769	1,602	1,695	1,600	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
									Manufacture of other articles of concrete, cement and plaster n.e.c.
370	388	380	418	415	424	432	475	414	Manufacture of other non-metallic mineral products n.e.c.
127	136	130	132	133	141	139	126	129	Other industry
2,336	2,893	2,844	3,010	2,894	2,810	2,959	3,136	2,799	Manufacture of basic iron and steel
1,785	2,328	2,368	2,304	2,314	2,265	2,183	2,346	2,356	Manufacture of basic precious and other non-ferrous metals
58	60	61	58	57	65	60	64	70	Casting of metals
2,534	2,530	2,556	2,726	2,963	3,111	2,958	3,015	3,050	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
1,794	1,771	1,742	1,879	2,081	2,219	2,105	2,092	2,142	Manufacture of metal doors, windows and their frames, shutters and gates
672	697	752	781	816	825	791	862	851	Manufacture of other structural metal products
68	62	62	66	65	67	62	62	58	Manufacture of tanks, reservoirs and containers of metal
									Other industry
3,058	3,093	3,234	3,287	3,611	3,690	3,413	3,825	3,888	Manufacture of other fabricated metal products; metal working service activities
469	447	468	466	470	471	450	464	477	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
275	302	333	329	408	428	416	534	527	Treatment and coating of metals; machining
533	538	544	553	633	641	573	633	631	Manufacture of tins and cans for food products, collapsible tubes and boxes
									Manufacture of metal cable, plaited bands and similar articles
935	937	991	1,008	1,088	1,142	1,119	1,208	1,219	Manufacture of bolts, screws, nuts and similar threaded products
24	24	26	25	26	28	28	26	27	Manufacture of metal household articles
709	734	760	784	868	862	706	834	877	Manufacture of any other fabricated metal products n.e.c.
112	112	113	122	118	117	121	125	131	Other industry
30,278	33,106	30,059	27,813	27,159	25,596	29,355	34,876	26,838	Manufacture of electronic components and boards
17,406	18,719	17,006	15,168	15,812	14,200	16,257	20,354	14,983	Manufacture of diodes, transistors and similar semiconductor devices
									Manufacture of electronic integrated circuits micro assemblies
									Manufacture of electrical capacitors and resistors
11,564	12,717	11,482	11,167	9,882	9,728	11,457	12,810	10,429	Manufacture of printed circuit boards
									Manufacture of display components
1,307	1,670	1,571	1,477	1,465	1,668	1,641	1,713	1,426	Manufacture of other components for electronic applications
4,587	2,993	4,259	3,932	4,181	4,767	5,333	5,220	7,048	Manufacture of computers and peripheral equipment
1,958	2,368	1,664	1,679	1,924	1,691	1,717	1,940	1,719	Manufacture of communication equipment
3,814	4,352	3,792	3,746	3,229	3,075	3,155	3,439	2,871	Manufacture of consumer electronics
1,557	1,859	1,851	1,818	1,835	1,730	1,610	1,795	1,454	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
1,368	1,657	1,642	1,614	1,639	1,559	1,456	1,632	1,315	Manufacture of measuring, testing, navigating and control equipment
									Manufacture of industrial process control equipment
189	202	209	204	195	171	153	163	138	Manufacture of watches and clocks and parts
469	461	510	553	509	590	480	528	442	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

1.4a : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan
: Sales Value of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	2,249	2,794	623	627
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	17,122	19,166	4,201	4,450
27101	Pembuatan motor elektrik, penjana dan transformer	5,476	5,224	1,169	1,159
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	11,645	13,941	3,032	3,291
272/ 27200	Pembuatan bateri dan akumulator	6,645	6,421	1,571	1,710
273	Pembuatan pendawaian dan peranti pendawaian	10,643	9,713	2,436	2,385
27310	Pembuatan kabel gentian optikal	354	450	104	120
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	9,610	8,681	2,191	2,118
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	679	581	141	147
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	1,635	1,789	402	397
275/ 27500	Pembuatan perkakasan domestik	11,917	11,454	2,824	2,889
279/ 27900	Pembuatan kelengkapan elektrik lain	8,087	9,320	2,148	2,325
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	45,720	44,872	10,815	11,534
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2,983	2,670	598	590
28180 & 28220	Pembuatan pam, pemampat, kepala paip dan injap lain	10,965	10,653	2,481	2,692
28192	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	11,209	9,379	2,366	2,640
28290	Pembuatan jentera pembentukan logam dan alatan mesin	8,316	8,173	2,170	2,137
	Industri lain	12,248	13,996	3,201	3,474
291 (29101 & 29102)	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	43,437	49,965	12,356	9,860
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,706	8,423	2,099	2,050
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	38,077	42,867	10,188	10,295
301 (30110 & 30120)	Pembinaan kapal dan bot	5,169	5,777	1,622	1,529
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	10,521	10,269	2,455	2,417
30910	Pembuatan motosikal	2,577	2,722	600	637
30920	Pembuatan basikal dan <i>invalid carriages</i>	2,879	2,327	616	610
	Industri lain	5,066	5,220	1,239	1,170
310	Pembuatan perabot	17,101	17,130	4,729	3,766
31001	Pembuatan perabot kayu dan rotan	8,667	8,542	2,416	1,823
	Industri lain	8,434	8,588	2,313	1,943
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,651	5,573	1,304	1,521
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	6,168	6,956	1,594	1,800
32901	Pembuatan alat tulis	1,518	1,611	403	417
	Industri lain	4,650	5,345	1,191	1,383
323/ 32300	Pembuatan barangan sukan	211	244	64	67
324/ 32400	Pembuatan permainan dan mainan	639	542	132	168
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	5,746	6,163	1,629	1,386
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	2,121	2,289	591	502
	Industri lain	3,625	3,874	1,038	884
Jumlah Pembuatan		1,800,930	1,804,035	449,424	439,208

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)	
763	781	832	825	1,071	Manufacture of optical instruments, photographic equipment, magnetic and optical media
5,587	4,928	4,384	5,628	5,919	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
1,533	1,362	1,193	1,551	1,600	Manufacture of electric motors, generators and transformers
4,053	3,565	3,190	4,077	4,320	Manufacture of electricity distribution and control apparatus
1,447	1,692	1,515	2,114	2,051	Manufacture of batteries and accumulators
2,490	2,402	2,271	3,230	3,029	Manufacture of wiring and wiring devices
122	106	108	140	145	Manufacture of fibre optic cables
2,216	2,156	2,007	2,902	2,673	Manufacture of other electronic and electric wires and cables
153	141	157	187	211	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
518	472	469	524	614	Manufacture of electric lighting equipment
3,093	2,648	2,911	3,816	3,918	Manufacture of domestic appliances
2,510	2,338	2,009	2,866	2,614	Manufacture of other electrical equipment
10,552	11,971	11,018	14,692	15,074	Manufacture of general-purpose and special-purpose machinery
627	855	610	797	799	Manufacture of fluid power equipment
					Manufacture of other pumps, compressors, taps and valves
					Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
2,535	2,945	2,825	3,372	3,884	Manufacture of metal-forming machinery and machine tools
1,958	2,416	2,435	3,286	3,355	Manufacture of air-conditioning machines, including for motor vehicles
1,831	2,035	1,670	2,959	2,362	Manufacture of other special-purpose machinery n.e.c.
3,601	3,720	3,478	4,279	4,673	Other industry
11,663	16,085	14,386	15,202	18,456	Manufacture of motor vehicles
1,944	2,330	1,566	2,811	2,086	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
11,301	11,083	11,137	13,284	14,739	Manufacture of parts and accessories for motor vehicles
1,154	1,472	1,473	2,278	2,089	Building of ships and boats
2,480	2,917	2,680	3,260	3,549	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
715	770	787	802	1,034	Manufacture of motorcycles
518	583	562	819	750	Manufacture of bicycles and invalid carriages
1,247	1,564	1,331	1,638	1,765	Other industry
3,671	4,964	5,326	6,042	6,849	Manufacture of furniture
1,866	2,437	2,782	3,058	3,565	Manufacture of wooden and cane furniture
1,805	2,526	2,544	2,984	3,284	Other industry
1,286	1,462	1,473	1,796	2,054	Manufacture of jewellery, bijouterie and related articles
1,893	1,669	1,584	2,182	2,163	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
416	376	383	543	530	Manufacture of stationery
1,478	1,293	1,201	1,639	1,632	Other industry
53	59	67	91	93	Manufacture of sports goods
124	119	124	190	176	Manufacture of games and toys
1,433	1,714	1,706	2,207	2,316	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
546	649	663	822	926	Repair and maintenance of transport equipment except motorcycles and bicycles
887	1,065	1,044	1,385	1,391	Other industry
453,856	461,548	457,326	594,405	610,556	Total Manufacturing

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Sales Value of Manufacturing Sector by Group (cont.)

1.4a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	194	198	232	202	205	220	242
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,423	1,329	1,449	1,427	1,461	1,562	1,757
	27101 Pembuatan motor elektrik, penjana dan transformer	411	376	383	382	383	395	452
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	1,012	953	1,066	1,045	1,079	1,167	1,305
272/ 27200	Pembuatan bateri dan akumulator	583	503	486	542	547	620	414
273	Pembuatan pendawaian dan peranti pendawaian	815	821	800	794	788	803	811
	27310 Pembuatan kabel gentian optikal	35	33	35	37	41	42	42
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	735	742	715	711	696	711	721
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	45	46	50	46	51	50	48
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	132	134	136	122	138	137	165
275/ 27500	Pembuatan perkakasan domestik	911	914	999	992	926	971	953
279/ 27900	Pembuatan kelengkapan elektrik lain	719	700	728	719	792	814	810
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3,693	3,527	3,595	3,877	3,868	3,789	3,322
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	212	213	173	199	191	200	167
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	860	823	798	891	894	907	816
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	798	759	809	920	947	773	591
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	730 1,093	680 1,052	760 1,056	789 1,078	648 1,188	700 1,208	634 1,114
291 (29101 & 29102)	Pembuatan kenderaan bermotor	4,253	3,796	4,307	2,846	3,685	3,329	3,920
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	697	639	762	712	739	599	662
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	3,293	3,266	3,629	3,096	3,684	3,515	3,843
301 (30110 & 30120)	Pembinaan kapal dan bot	508	513	601	656	445	428	354
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	815	752	888	805	798	814	818
	30910 Pembuatan motosikal	205	191	204	202	206	228	243
	30920 Pembuatan basikal dan <i>invalid carriages</i>	210	200	206	203	208	199	172
	Industri lain	400	361	478	399	385	386	403
310	Pembuatan perabot	1,587	1,512	1,630	1,312	1,411	1,042	1,109
	31001 Pembuatan perabot kayu dan rotan	788	790	838	641	663	518	559
	Industri lain	799	722	792	671	748	524	550
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	473	416	415	491	531	498	375
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	523	538	534	588	640	571	615
	32901 Pembuatan alat tulis	136	135	133	140	142	135	137
	Industri lain	387	403	401	448	498	436	478
323/ 32300	Pembuatan barangan sukan	21	20	24	27	22	18	19
324/ 32400	Pembuatan permainan dan mainan	45	39	49	57	69	41	38
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	530	511	589	578	402	406	407
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	186	177	228	231	136	135	140
	Industri lain	344	334	360	347	266	271	266
Jumlah Pembuatan		148,010	145,219	156,194	144,981	146,799	147,427	143,926

2024									Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
261	260	257	267	258	281	263	287	239	Manufacture of optical instruments, photographic equipment, magnetic and optical media
1,895	1,935	1,731	1,631	1,566	1,545	1,391	1,448	1,536	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
538	543	489	446	427	431	379	384	406	Manufacture of electric motors, generators and transformers
1,357	1,392	1,241	1,185	1,140	1,114	1,012	1,064	1,129	Manufacture of electricity distribution and control apparatus
465	569	580	556	556	544	483	488	536	Manufacture of batteries and accumulators
833	847	823	805	773	829	728	715	757	Manufacture of wiring and wiring devices
46	33	36	32	37	38	36	34	36	Manufacture of fibre optic cables
733	762	740	725	691	736	641	629	667	Manufacture of other electronic and electric wires and cables
53	52	48	47	45	54	51	51	54	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
177	175	163	162	148	167	154	148	146	Manufacture of electric lighting equipment
1,122	1,018	909	877	862	953	948	1,010	1,007	Manufacture of domestic appliances
828	872	797	786	755	735	619	655	605	Manufacture of other electrical equipment
3,567	3,663	3,762	4,104	4,105	3,813	3,584	3,621	4,056	Manufacture of general-purpose and special-purpose machinery
186	274	273	302	280	230	210	169	189	Manufacture of fluid power equipment
850	870	878	1,017	1,049	961	914	949	1,059	Manufacture of other pumps, compressors, taps and valves
698	669	721	821	875	845	796	794	920	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
524	672	685	674	676	585	515	570	693	Manufacture of metal-forming machinery and machine tools
1,308	1,178	1,205	1,289	1,226	1,191	1,148	1,138	1,195	Manufacture of air-conditioning machines, including for motor vehicles
3,633	4,111	4,922	5,740	5,422	5,504	4,540	4,342	4,070	Manufacture of other special-purpose machinery n.e.c.
646	636	774	813	743	523	458	586	520	Other industry
3,889	3,569	3,459	3,934	3,690	3,851	3,720	3,566	3,602	Manufacture of motor vehicles
356	444	560	459	453	446	458	569	616	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
827	834	897	1,059	961	928	830	922	870	Manufacture of parts and accessories for motor vehicles
234	237	234	268	268	290	249	248	247	Building of ships and boats
176	170	190	203	190	201	166	195	188	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
417	427	473	588	503	437	415	479	434	Manufacture of motorcycles
1,166	1,396	1,561	1,696	1,707	1,794	1,652	1,880	1,523	Manufacture of bicycles and invalid carriages
619	688	751	848	838	896	868	1,019	783	Other industry
547	708	810	848	868	898	784	862	740	Manufacture of furniture
397	514	453	511	498	531	457	485	581	Manufacture of wooden and cane furniture
647	631	575	551	543	531	533	520	579	Other industry
148	130	128	119	128	129	121	133	147	Manufacture of jewellery, bijouterie and related articles
499	501	447	431	416	402	412	387	431	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
16	18	19	19	21	23	21	23	26	Manufacture of stationery
41	45	45	38	36	38	38	48	52	Other industry
449	578	557	599	557	548	527	632	610	Manufacture of sports goods
170	236	213	228	208	203	200	260	263	Manufacture of games and toys
279	342	344	371	349	345	327	372	347	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
									Repair and maintenance of transport equipment except motorcycles and bicycles
									Other industry
152,175	157,755	156,675	154,988	149,885	152,704	146,191	158,431	153,230	Total Manufacturing

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Sales Value of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Apr.)	(Jan. - Apr.)
101	Pemprosesan dan pengawetan daging	11.8	5.7	6.3	9.8	5.2	1.9	5.8	7.2	5.0	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.0	6.0	1.0	3.7	10.5	8.9	3.2	0.4	3.9	
	10201 Pengetinan ikan, krustasea dan moluska										
	& 10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.7	5.2	0.2	2.4	10.1	8.1	2.6	-0.5	3.4	
	Industri lain	4.0	19.5	15.7	25.6	15.8	21.2	12.5	16.3	10.8	
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1.6	31.0	16.4	36.0	36.9	34.4	23.7	19.4	21.7	
	10303 Pengetinan nanas										
	& 10304 Pembuatan jem, marmalad dan sajian jeli	-2.0	58.2	50.0	87.3	50.8	49.5	35.8	54.7	32.8	
	Industri lain	2.6	24.3	9.5	25.1	32.9	30.1	20.3	12.3	18.6	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	12.8	-11.2	4.7	-25.4	-13.8	-5.4	-0.2	-3.9	1.9	
	10404 Pembuatan minyak sayuran mentah dan bertapis										
	& 10406 Pembuatan sebatian lemak masakan	19.9	0.8	22.3	-0.2	-11.1	-1.4	1.8	17.4	-2.4	
	10405 Pembuatan minyak kelapa	34.4	-19.9	-15.4	-24.6	-25.2	-14.3	17.3	-18.5	20.2	
	Industri lain	11.9	-12.6	2.8	-28.2	-14.1	-5.8	-0.7	-6.3	2.4	
105	Pembuatan produk tenusu	12.1	-0.1	3.9	4.8	-5.1	-3.6	-6.6	4.3	-7.0	
	10502 Pembuatan susu pekat, tepung dan sejat	13.1	-0.4	4.8	4.9	-6.0	-5.0	-8.7	5.1	-9.2	
	Industri lain	-0.1	4.0	-9.2	2.4	7.6	15.5	26.9	-8.0	27.7	
106	Pembuatan produk bijian, kanji dan produk berkanji	22.1	5.1	9.6	1.0	6.2	4.0	6.1	5.5	6.7	
	10611 Pengilangan beras	32.7	3.2	12.7	-1.1	1.6	0.7	3.2	5.1	4.2	
	10613 Pengilangan tepung	14.0	7.6	6.9	3.6	11.5	8.5	9.1	6.1	9.0	
	Industri lain	4.4	-3.7	6.5	-4.6	-1.6	-13.1	6.7	3.4	9.8	
107	Pembuatan produk makanan lain	9.7	8.3	6.9	6.7	7.3	12.1	11.0	5.3	11.9	
	10711 Pembuatan biskut dan cookies	47.1	23.0	5.2	12.6	33.0	40.8	28.2	-0.5	28.5	
	10712 Pembuatan roti, kek dan produk bakeri lain	0.9	10.7	18.4	10.7	7.4	7.2	0.8	16.0	2.7	
	10713 Pembuatan produk snek	20.8	16.9	0.9	10.2	25.6	30.6	41.5	0.5	40.8	
	10721 Pembuatan gula	-5.5	17.6	-7.2	13.6	28.5	37.5	27.9	-7.1	28.6	
	10731 Pembuatan produk koko	0.0	6.2	4.6	7.6	4.8	7.8	22.8	4.4	26.4	
	10732 Pembuatan coklat dan produk coklat										
	& 10733 Pembuatan konfeksi gula	12.0	-2.2	1.7	-4.7	-6.7	1.2	2.9	-0.8	4.3	
	10793 Pembuatan sos dan bahan perasa	3.6	7.5	-3.4	2.5	15.2	16.2	17.0	-2.6	16.3	
	10799 Pembuatan produk makanan lain t.t.t.l.	31.2	5.3	12.3	5.7	-1.2	5.5	4.3	11.0	3.8	
	Industri lain	9.3	11.0	11.7	14.0	8.4	10.2	11.9	11.5	11.8	
108/ 10800	Pembuatan makanan haiwan tersedia	25.3	17.4	20.2	16.2	18.2	15.3	8.2	18.0	6.2	
110	Pembuatan minuman ringan	19.6	2.7	0.2	3.2	1.4	5.8	6.1	-0.7	6.3	
	11041 Pembuatan minuman ringan	7.3	6.2	-2.5	7.2	11.4	9.0	11.2	-3.2	11.4	
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	2.1	3.7	-3.7	3.3	7.9	7.7	2.0	-3.5	1.2	
	Industri lain	52.7	-2.8	5.6	-2.3	-13.6	0.4	-0.1	4.3	0.3	
120/ 12000	Pembuatan produk tembakau	16.0	17.6	17.4	27.0	18.6	9.0	9.3	15.4	9.7	
131	Pemintalan, penenunan dan penyiapan tekstil	6.3	-12.3	-11.8	-8.8	-12.8	-16.0	-0.1	-11.7	1.1	
	13110 Penyediaan dan pemintalan gentian tekstil										
	& 13120 Penenunan tekstil	7.6	-11.9	-8.5	-5.3	-13.6	-20.3	-6.2	-8.4	-4.4	
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.5	-13.1	-21.5	-18.1	-9.7	-2.5	21.9	-21.3	21.0	
	Industri lain	-15.2	-30.1	-22.7	-31.3	-32.8	-34.3	-15.2	-23.6	-17.6	
139	Pembuatan tekstil lain	11.7	10.8	10.6	8.5	10.1	14.0	15.7	10.6	15.0	
	13910 Pembuatan fabrik dikait dan dikrusye	3.0	-1.8	-0.6	-0.9	-2.4	-3.5	5.6	0.1	5.6	
	Industri lain	19.9	21.2	20.2	16.3	20.0	27.9	22.8	19.4	21.6	
141	Pembuatan pakaian, kecuali pakaian berbulu	3.6	5.0	2.4	6.8	7.2	3.8	4.0	2.0	4.1	
	14102 Pembuatan pakaian	2.1	5.7	2.7	9.0	7.8	3.8	4.3	2.7	4.1	
	Industri lain	16.5	-0.2	0.6	-7.6	2.0	4.3	2.3	-2.6	4.2	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	0.6	18.8	18.9	19.8	14.5	21.8	21.4	19.8	21.8	
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	29.0	7.5	6.4	13.4	5.7	5.8	6.5	7.8	6.3	
152	Pembuatan kasut	4.1	12.6	6.2	15.9	14.0	14.7	7.1	8.7	4.8	
	15201 Pembuatan kasut kulit										
	& 15203 Pembuatan kasut getah	12.3	16.1	13.3	24.6	11.1	16.5	12.9	17.5	9.4	
	Industri lain	-7.7	6.5	-4.5	3.1	20.2	11.0	-3.4	-4.0	-3.5	
161/ 16100	Pengilangan dan pengetaman kayu	13.4	-2.7	1.6	3.3	-7.7	-7.2	-8.5	1.4	-7.1	

2023					2024												Group Description/Period				
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.						
-1.9	9.3	12.3	9.7	8.8	11.0	7.2	2.6	5.9	-1.0	3.3	3.6	7.6	4.9	5.0	2.7	Processing and preserving of meat					
1.7	1.6	-0.1	-1.4	10.7	1.8	18.9	4.9	8.4	12.2	7.1	7.3	3.7	3.6	2.2	6.1	Processing and preserving of fish, crustaceans and molluscs Canning of fish, crustaceans and molluscs					
1.2	0.3	-1.1	-2.5	9.2	0.7	19.1	4.4	7.9	12.0	5.7	6.6	2.8	3.0	1.9	6.1	Processing, curing and preserving of fish, crustacean and molluscs					
9.2	22.4	16.0	18.0	37.3	22.2	15.8	14.6	16.8	15.2	31.3	18.0	18.4	12.4	6.8	5.7	Other industry					
-1.0	15.2	37.7	28.9	40.2	38.8	43.6	30.0	37.6	38.9	31.3	33.3	38.0	24.3	11.3	16.1	Processing and preserving of fruits and vegetable					
																Pineapple canning					
20.0	42.2	98.8	69.3	122.4	76.2	62.8	46.3	44.9	53.6	40.4	55.9	52.3	35.3	23.1	24.4	Manufacture of jams, marmalades and table jellies					
-5.5	9.4	26.6	20.9	25.3	29.1	38.3	25.6	35.4	34.5	28.6	27.5	34.1	21.2	7.9	13.7	Other industry					
5.3	7.6	1.2	-23.2	-25.6	-27.4	-18.5	-15.1	-8.4	-3.6	-3.8	-8.6	12.7	-8.9	-5.5	8.3	Manufacture of vegetable and animal oils and fats Manufacture of crude and refined vegetable oil					
10.3	34.0	24.0	5.4	5.2	-10.1	-17.2	-11.3	-4.7	4.3	1.7	-9.1	16.1	-5.0	-4.8	-14.6	Manufacture of compound cooking fats					
1.6	-18.5	-27.8	-28.6	-15.2	-30.0	-29.7	-27.9	-17.6	-8.1	-17.7	-16.8	0.8	23.4	31.8	31.4	Manufacture of coconut oil					
4.8	4.8	-1.5	-26.2	-29.0	-29.4	-18.5	-15.5	-8.8	-4.4	-4.3	-8.5	12.3	-9.8	-5.9	11.7	Other industry					
-1.8	3.5	9.9	5.5	8.2	0.7	-2.8	-6.5	-5.6	-1.0	-2.0	-8.0	-4.9	-6.9	-7.8	-8.4	Manufacture of dairy products					
-1.6	4.7	11.3	6.1	8.3	0.4	-3.3	-7.4	-7.0	-2.4	-3.2	-9.3	-6.9	-9.2	-9.9	-10.7	Manufacture of condensed, powdered and evaporated milk					
-4.9	-12.9	-10.1	-4.0	6.2	4.8	3.7	6.1	13.0	18.8	15.0	12.4	22.6	31.0	27.7	30.1	Other industry					
5.8	13.6	9.4	-4.9	5.0	3.3	8.5	4.0	6.2	5.4	5.2	1.4	12.5	-1.5	7.7	8.3	Manufacture of grain mill products, starches and starch products					
6.5	15.8	15.2	-11.9	5.9	5.1	8.4	-2.0	-0.7	0.8	0.6	0.7	12.5	-9.7	8.1	7.1	Rice milling					
5.3	11.7	4.1	3.9	4.5	2.3	9.3	10.8	14.5	11.5	11.3	2.9	13.1	7.1	7.0	8.8	Flour milling					
4.7	8.6	6.5	-5.3	-2.0	-6.4	-1.6	-2.7	-0.7	-13.1	-13.7	-12.3	3.5	3.6	13.4	19.6	Other industry					
3.1	11.0	6.8	0.8	13.6	6.0	6.1	5.0	10.9	11.7	13.9	10.8	13.3	8.1	11.5	14.8	Manufacture of other food products					
-2.3	9.9	8.3	-14.1	29.6	30.6	38.6	26.8	34.3	37.4	43.4	41.4	39.0	16.9	29.4	29.5	Manufacture of biscuits and cookies					
16.2	17.2	21.7	9.2	15.9	7.2	6.3	7.5	8.4	9.8	10.5	1.6	2.3	0.8	-0.7	8.5	Manufacture of bread, cakes and other bakery products					
-3.8	1.2	5.0	-0.4	18.1	13.7	24.6	24.4	27.7	25.9	35.2	30.7	55.9	33.1	36.7	38.8	Manufacture of snack products					
-18.4	-0.3	-0.8	-6.7	28.5	21.1	23.4	25.6	36.3	39.2	42.7	30.8	28.2	25.8	29.8	30.5	Manufacture of sugar					
-3.6	9.2	8.9	3.7	15.2	4.1	5.2	2.2	7.0	8.2	8.7	6.4	25.4	14.4	29.8	38.0	Manufacture of cocoa products					
																Manufacture of chocolate and chocolate products					
3.2	8.2	-5.2	-7.8	-0.8	-5.6	-7.9	-8.9	-3.1	-3.0	3.7	3.0	-1.1	1.0	8.7	8.4	Manufacture of sugar confectionery					
-11.8	1.9	-0.1	-0.3	1.1	7.1	8.7	13.4	23.5	17.8	10.5	20.8	27.8	12.7	11.5	14.5	Manufacture of sauces and condiments					
9.9	17.9	9.5	7.2	12.6	-2.4	-1.6	-6.4	4.3	4.9	4.3	7.6	10.7	2.9	-0.2	2.3	Manufacture of other food products n.e.c.					
7.5	16.6	11.3	10.9	23.0	8.7	6.8	6.4	12.1	12.8	10.0	7.8	16.4	8.6	10.8	11.6	Other industry					
9.4	20.9	31.3	12.6	19.2	16.7	18.1	20.3	16.4	20.2	20.5	5.3	9.9	6.2	8.4	1.0	Manufacture of prepared animal feeds					
0.5	-0.3	0.3	-3.0	12.1	1.9	2.1	0.9	1.5	8.0	3.8	5.5	6.5	4.6	7.2	7.0	Manufacture of beverages					
-1.2	-4.1	-2.1	-5.3	16.9	14.7	15.6	7.5	11.3	11.9	6.7	8.1	16.9	6.6	10.3	12.2	Manufacture of soft drinks					
-6.5	-2.1	-2.8	-3.1	13.1	1.6	3.4	6.9	13.8	11.3	6.4	5.1	8.2	1.2	-2.5	-1.0	Production of natural mineral waters and other bottled waters					
4.7	6.7	5.4	0.9	5.7	-13.4	-17.8	-10.0	-13.4	1.3	-1.2	1.1	-7.7	2.6	5.3	1.3	Other industry					
20.6	5.7	25.3	9.1	57.6	20.4	19.5	17.6	18.7	16.5	4.7	6.3	3.9	16.7	8.3	11.2	Manufacture of tobacco products					
-9.7	-15.0	-10.7	-11.4	-0.5	-13.8	-13.8	-11.0	-13.5	-13.6	-15.0	-19.1	1.7	2.4	-4.2	4.5	Spinning, weaving and finishing of textiles					
																Preparation and spinning of textile fibres					
-3.4	-13.0	-9.0	-8.2	3.0	-10.3	-11.3	-12.9	-16.8	-17.0	-19.6	-23.7	-5.4	-5.5	-7.5	0.9	Weaving of textiles					
-26.7	-21.4	-15.7	-20.6	-10.6	-21.9	-20.0	-4.3	-3.5	-3.8	-0.3	-3.2	28.6	30.4	7.7	18.0	Dyeing, bleaching, printing and finishing of yarns and fabrics					
-18.4	-21.4	-28.9	-26.3	-27.8	-39.1	-37.7	-29.4	-30.9	-33.0	-34.5	-35.6	-27.4	7.1	-21.6	-25.8	Other industry					
6.0	14.9	11.4	10.6	10.4	4.9	5.8	12.0	12.6	13.9	15.0	13.0	16.6	14.5	16.0	12.9	Manufacture of other textiles					
-4.3	3.2	-0.3	2.3	-0.4	-4.3	-5.3	0.1	-1.9	-4.0	-2.9	-3.5	6.1	4.9	5.8	5.7	Manufacture of knitted and crocheted fabrics					
14.6	24.8	21.5	17.3	19.6	12.3	14.8	21.5	24.0	28.6	29.3	25.8	23.9	21.2	23.2	18.0	Other industry					
1.7	3.8	1.8	0.6	9.1	11.7	10.6	4.6	6.3	7.4	6.3	-1.7	6.3	-2.5	8.3	4.5	Manufacture of wearing apparel, except fur apparel					
2.1	4.8	1.2	2.6	12.5	12.6	11.2	5.5	6.9	8.1	6.5	-2.6	6.3	-3.3	9.9	3.6	Manufacture of clothings					
-1.4	-2.8	5.8	-12.6	-12.7	4.8	5.9	-1.8	2.0	2.3	4.9	5.8	5.7	3.1	-1.4	11.2	Other industry					
3.3	26.2	29.9	22.8	22.1	14.8	12.4	13.3	17.5	19.7	24.0	21.7	23.4	18.9	22.2	22.9	Manufacture of articles of fur, knitted and crocheted apparel					
5.9	2.9	10.6	12.8	22.6	5.2	8.2	3.7	5.4	6.7	4.6	6.4	6.5	6.6	6.5	5.5	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur					
8.1	9.5	1.6	16.9	12.2	19.1	16.0	13.6	12.5	12.6	17.7	13.7	11.2	7.6	2.4	-1.9	Manufacture of footwear					
																Manufacture of leather footwear					
11.6	27.4	4.0	31.7	24.6	17.8	11.1	11.7	10.5	12.8	18.1	18.5	14.5	12.4	11.8	-0.8	Manufacture of rubber footwear					
1.9	-12.1	-2.3	-2.6	-4.5	21.4	26.9	17.6	16.7	12.3	16.8	4.4	4.7	-0.7	-13.6	-3.9	Other industry					
-10.4	12.4	4.9	0.6	15.8	-5.3	-2.0	-9.5	-9.7	-2.3	-4.5	-14.2	-2.0	-15.4	-8.1	-2.4	Sawmilling and planning of wood					

Jadual
Table

1.4b : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
: Sales Value of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Apr.)	(Jan. - Apr.)
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	12.1	-5.8	-5.7	-4.3	-7.1	-5.9	1.3	-6.0		2.2
16211	Pembuatan kepingan venier dan papan lapis	9.9	1.2	0.9	4.3	1.9	-0.9	2.7	0.8		3.4
16212	Pembuatan papan partikel dan papan gentian	12.6	-13.1	-12.2	-10.5	-16.5	-13.3	1.0	-12.6		1.6
16221	Pertukangan kayu untuk jurubina	13.9	-5.6	-4.7	-8.5	-4.4	-5.6	-0.1	-4.9		1.5
	Industri lain	19.5	-15.5	-17.6	-16.4	-19.0	-8.9	-3.7	-18.0		-1.5
170	Pembuatan kertas dan produk kertas	9.6	5.7	11.0	4.8	1.9	5.6	2.0	9.2		1.8
17010	Pembuatan pulpa, kertas dan kertas tebal	13.8	-3.8	-1.5	-7.3	-6.0	-0.7	1.5	-4.9		2.3
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	2.5	-3.5	7.8	-5.8	-9.7	-5.0	-8.5	3.7		-8.0
17091	Pembuatan sampul surat dan kad surat	14.6	0.3	29.5	10.8	-11.4	-18.3	-14.6	30.6		-11.4
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	16.4	13.2	14.2	13.8	13.3	11.4	1.1	14.6		0.6
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	17.4	19.0	28.1	22.0	8.5	19.1	16.7	29.6		13.5
	Industri lain	6.1	41.1	27.2	41.1	47.9	48.1	31.7	30.4		29.3
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	13.3	6.0	7.5	5.5	7.5	3.6	3.6	6.3		4.5
18110	Percetakan	12.4	3.6	-0.7	1.2	6.2	8.1	9.9	-0.9		10.8
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan Penerbitan semula media rakaman	17.2	15.1	45.3	23.6	12.7	-11.3	-16.6	38.8		-15.7
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	42.3	-10.1	21.9	-6.2	-22.7	-20.9	-12.9	15.9		-11.0
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	0.5	-8.0	-6.5	-9.1	-8.3	-8.2	-8.1	-6.5		-4.8
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-15.8	-16.2	58.8	-28.2	-36.3	-28.1	-15.2	35.1		-6.6
20112 & 20113	Pembuatan kimia organik asas Pembuatan sebatian bukan organik	0.5	-11.6	-7.5	-11.7	-14.6	-13.0	-9.8	-6.3		-4.6
20121 & 20129	Pembuatan baja Pembuatan produk campuran nitrogen	18.0	-18.4	-15.1	-15.3	-20.1	-24.4	-35.8	-15.3		-33.8
20131	Pembuatan plastik dalam bentuk primer	-9.8	2.1	-9.0	-2.9	14.3	8.7	2.6	-9.6		2.5
	Industri lain	57.2	-8.2	8.5	-2.7	-20.0	-15.2	-6.9	5.6		-4.6
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	30.9	17.8	21.4	20.7	17.6	12.5	13.6	18.6		14.0
20210	Pembuatan racun perosak dan produk agrokimia lain	53.3	23.6	19.0	31.4	42.7	6.9	4.1	18.4		2.7
20221	Pembuatan cat, varnis dan penyadur dan mastik	33.0	34.7	18.9	34.5	45.6	40.6	38.0	19.3		36.8
20222	Pembuatan dakwat cetak	16.2	-3.6	-0.8	-4.1	-0.8	-8.8	7.2	-3.3		9.8
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap Pembuatan pewangi dan penyediaan dandanan diri	30.1	10.6	23.0	16.2	3.3	2.9	5.6	18.2		6.0
20291 & 20292 & 20299	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials Pembuatan dakwat menulis dan melukis Pembuatan produk kimia lain t.t.t.l.	23.8	9.7	26.0	9.9	4.6	1.6	1.1	20.6		4.6
	Industri lain	16.3	4.9	38.0	-2.8	-19.2	11.9	-12.4	36.9		-15.1
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10.8	5.2	12.0	5.1	0.7	3.5	5.4	10.9		5.9
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	10.1	4.5	9.7	4.5	-0.8	5.0	4.8	9.0		5.5
	Industri lain	14.8	8.5	24.1	8.4	7.8	-2.9	8.4	20.9		7.9
221	Pembuatan produk getah	-23.9	-9.1	-10.8	-12.6	-8.6	-3.4	4.4	-11.8		5.0
22111	Pembuatan tayar getah untuk kenderaan	-23.7	-38.1	-41.4	-43.2	-35.0	-28.4	-31.4	-43.6		-28.3
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2.4	27.1	29.9	26.8	20.7	31.3	4.7	29.0		4.8
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan Pengilangan semula getah dan prosesan susu getah	-7.6	-16.9	-8.6	-26.1	-24.5	-6.1	7.0	-15.1		8.8
2024	22192 Pembuatan sarung tangan getah	-28.3	-5.8	-8.4	-8.3	-3.9	-1.6	5.6	-8.3		5.9
	22199 Pembuatan produk getah lain yang t.t.t.l.	-4.3	-9.5	-10.6	-13.9	-9.0	-4.4	10.8	-12.9		10.4
222	Pembuatan produk plastik	5.4	-0.6	-3.3	-1.2	-0.6	2.6	5.4	-4.4		6.2
22201 & 22202	Pembuatan produk plastik separa siap Pembuatan produk plastik siap	-5.4	-5.3	-3.2	-7.7	-7.4	-2.2	-2.6	-5.1		-1.8
22203	Pembuatan artikel plastik untuk pembungkusan barangan	29.4	-1.9	5.4	-1.9	-5.6	-4.1	6.7	2.9		8.5
22204	Pembuatan barangan plastik jurubina	19.5	41.2	27.9	33.8	45.5	56.4	23.4	29.5		18.5
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	51.1	7.9	8.5	19.7	4.8	-1.1	-2.0	9.6		-2.6
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-19.4	-3.6	-21.5	-8.0	5.9	13.0	13.4	-21.7		14.6
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	4.8	-3.3	-4.8	-2.1	-4.1	-2.3	4.6	-4.5		4.7

2023																2024																Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.																	
-6.4	-2.2	-8.1	-7.1	4.6	-9.3	-9.8	-5.9	-6.3	-2.2	-7.1	-8.4	0.7	-1.5	4.6	5.7	Manufacture of products of wood, cork, straw and plaiting materials																
3.4	2.8	-3.2	0.3	16.2	-1.6	-1.0	4.6	1.5	5.60	-3.8	-4.3	1.0	1.4	5.8	6.1	Manufacture of veneer sheets and plywood																
-15.8	-5.0	-14.8	-14.2	-2.6	-13.6	-17.7	-15.7	-16.4	-13.5	-13.3	-13.1	5.0	-5.7	3.4	4.0	Manufacture of particle board and fibreboard																
-5.9	-6.2	-1.9	-5.6	-6.5	-14.2	-11.2	-1.4	-1.7	-1.8	-1.2	-13.2	-9.0	2.2	7.5	7.7	Manufacture of builders' carpentry																
-22.0	-12.9	-17.4	-19.2	-7.9	-20.8	-19.3	-22.0	-15.5	-6.4	-11.7	-8.4	-0.5	-9.1	-1.6	6.4	Other industry																
7.0	16.9	9.5	4.3	8.3	1.9	1.0	1.6	3.0	3.7	7.8	5.4	6.7	1.3	-1.7	1.1	Manufacture of paper and paper products																
-1.4	8.8	-11.0	-14.2	2.8	-9.3	-12.0	-5.2	-1.1	-7.0	2.3	3.5	1.8	1.2	1.6	4.6	Manufacture of pulp, paper and paperboard																
5.2	11.8	6.7	-6.9	-2.1	-8.4	-10.8	-11.5	-6.9	-5.0	-4.8	-5.2	-0.6	-13.2	-11.5	-6.4	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard																
42.7	21.4	24.8	34.1	2.6	0.0	-6.3	-12.1	-15.4	-18.6	-17.8	-18.5	-18.1	-9.2	-15.7	-1.7	Manufacture of envelopes and letter-card																
5.9	19.7	17.2	15.7	15.8	9.9	15.4	17.8	7.2	12.5	17.5	4.8	2.9	1.5	-0.9	-0.7	Manufacture of household and personal hygiene paper																
29.4	32.6	23.4	33.7	15.5	16.8	13.2	2.4	10.2	13.9	18.2	25.6	24.8	25.6	2.2	5.5	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper																
10.4	34.1	39.2	40.3	46.6	36.4	42.0	50.4	51.3	50.1	54.9	40.1	40.9	27.3	27.7	22.4	Other industry																
3.2	10.2	9.3	2.6	7.6	6.5	6.7	8.9	6.9	7.6	1.4	2.5	4.7	2.5	3.5	7.6	Printing, service activities related to printing and reproduction of recorded media																
-4.6	1.4	1.3	-1.6	2.9	2.5	5.0	7.1	6.5	7.1	6.8	10.4	11.7	9.0	9.1	13.3	Printing																
																Service activities related to printing																
36.7	50.4	50.2	20.3	27.1	23.5	13.3	16.1	8.7	9.3	-16.3	-20.3	-16.4	-17.4	-15.9	-12.5	Reproduction of recorded media																
26.0	25.0	14.5	0.6	2.7	-18.6	-25.6	-20.9	-21.6	-18.4	-20.0	-24.8	-21.0	-8.8	-6.7	-5.2	Manufacture of refined petroleum products																
-7.2	-5.6	-6.6	-6.6	-7.2	-13.2	-12.1	-6.2	-6.4	-5.0	-7.7	-11.6	-5.0	-9.1	-10.0	6.6	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms																
49.6	65.2	64.5	-15.6	-25.5	-40.8	-33.3	-40.1	-35.0	-30.0	-20.3	-33.6	-27.3	-19.5	5.1	28.2	Manufacture of liquefied or compressed inorganic industrial or medical gases																
																Manufacture of basic organic chemicals																
-8.2	-7.0	-7.4	-1.8	-14.5	-17.8	-19.1	-12.1	-12.4	-13.7	-9.4	-15.8	-7.5	-9.9	-12.0	14.0	Manufacture of inorganic compounds																
																Manufacture of fertilizers																
-14.5	-14.7	-16.1	-15.9	-6.0	-24.4	-24.3	-15.2	-20.9	-17.7	-22.2	-32.6	-40.2	-40.1	-27.1	-27.3	Manufacture of associated nitrogen products																
-10.3	-7.9	-8.9	-11.3	4.7	-1.8	7.5	17.5	18.5	19.1	3.2	5.1	10.6	1.4	-3.6	2.3	Manufacture of plastics in primary forms																
6.8	10.0	8.8	-2.9	0.5	-5.7	-15.3	-21.2	-23.1	-11.8	-19.7	-13.9	-0.7	-9.6	-10.6	3.1	Other industry																
21.6	19.3	23.1	10.3	30.9	21.7	22.9	16.0	14.5	18.5	12.1	7.7	22.9	9.0	8.9	15.4	Manufacture of other chemical products and man-made fibres																
24.1	16.7	16.2	16.5	35.0	44.8	56.8	40.9	32.6	38.3	7.0	-15.4	3.2	12.3	-2.5	-1.6	Manufacture of pesticides and other agrochemical products																
8.4	14.7	34.0	20.5	43.4	39.9	43.6	46.7	46.5	49.7	36.3	36.8	54.3	30.6	30.5	33.0	Manufacture of paints, varnishes and similar coatings ink and mastics																
-1.0	-0.6	-0.9	-10.4	1.6	-2.9	3.4	-2.5	-3.5	-11.2	-5.4	-9.9	9.1	1.5	10.9	18.2	Manufacture of printing ink																
																Manufacture of soap and detergents, cleaning and polishing preparations																
23.4	23.7	22.0	4.3	35.5	11.4	11.4	3.1	-3.5	1.4	3.4	3.8	23.7	-1.0	-4.8	7.1	Manufacture of perfumes and toilet preparations																
																Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials																
40.1	22.3	15.7	5.1	12.7	12.2	8.4	-1.2	6.8	8.7	2.6	-5.5	-2.1	-2.7	8.9	16.6	Manufacture of writing and drawing ink																
																Manufacture of other chemical products n.e.c.																
43.7	30.1	40.3	33.3	-9.7	-22.8	-8.2	-38.2	-10.2	1.4	18.7	15.6	-8.2	-10.5	-18.2	-24.5	Other industry																
6.9	15.8	13.6	7.7	9.1	-0.5	-0.3	1.3	1.1	6.1	1.3	3.0	3.3	6.5	6.3	7.4	Manufacture of pharmaceuticals, medicinal chemical and botanical products																
4.6	13.9	10.9	7.1	8.3	-1.2	-2.5	0.0	0.1	4.6	4.7	5.8	1.5	5.9	6.8	7.7	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments																
18.9	25.5	28.0	11.2	12.9	2.6	10.2	7.6	5.8	13.4	-12.3	-8.1	11.8	9.4	4.2	6.2	Other industry																
-11.7	-10.7	-10.1	-14.2	-10.4	-13.2	-10.8	-8.8	-5.7	-4.2	-2.9	-3.1	7.2	5.1	1.7	6.5	Manufacture of rubber products																
-40.7	-41.6	-42.0	-49.9	-34.9	-43.2	-42.5	-33.1	-26.3	-21.2	-31.4	-32.9	-30.5	-30.9	-32.7	-18.1	Manufacture of rubber tyres for vehicles																
9.2	42.0	39.8	26.3	40.4	15.9	12.2	20.0	30.1	39.4	31.4	23.4	23.3	-4.9	-1.1	5.0	Manufacture of interchangeable tyre treads and retreading rubber tyres																
-7.0	-10.9	-7.9	-30.4	-16.4	-30.0	-27.2	-28.7	-16.5	-10.1	-3.7	-4.5	8.4	6.3	6.2	14.2	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened																
																Rubber remilling and latex processing																
-9.6	-7.9	-7.8	-8.3	-8.4	-8.1	-5.8	-3.0	-2.6	-2.1	-1.3	-1.2	8.2	7.4	2.6	6.6	Manufacture of rubber gloves																
-9.6	-8.9	-12.9	-19.3	-8.6	-13.1	-7.3	-11.4	-8.2	-8.0	-2.7	-2.3	16.6	9.0	6.8	9.5	Manufacture of other rubber products n.e.c.																
-6.3	-2.3	-1.4	-7.1	8.1	-3.9	0.6	-1.7	-0.6	2.8	3.2	2.0	8.8	4.7	3.0	8.3	Manufacture of plastics products																
																Manufacture of semi-manufactures of plastic products																
-7.7	-0.8	-1.1	-10.0	-0.4	-12.3	-8.8	-8.6	-4.6	-1.6	-1.9	-3.2	2.0	-6.4	-3.2	0.3	Manufacture of finished plastic products																
2.6	5.8	7.9	-3.5	5.3	-7.3	-0.9	-8.7	-6.8	-5.1	-2.5	-4.7	7.3	6.6	6.2	13.3	Manufacture of plastic articles for the packing of goods																
-0.1	42.9	41.2	33.4	41.3	26.9	49.5	40.5	46.9	62.9	65.7	41.2	53.5	19.8	7.5	6.6	Manufacture of builders' plastics ware																
5.6	10.0	9.9	12.3	23.5	24.3	6.3	10.6	-2.1	3.2	-5.9	-0.6	0.7	4.0	-9.1	-3.9	Manufacture of plastic tableware, kitchenware and toilet articles																
-20.9	-21.7	-21.9	-22.3	10.5	-6.2	4.5	5.5	7.7	12.2	13.2	13.5	16.2	12.5	11.5	18.2	Manufacture of diverse plastic products n.e.c.																
2.1	-10.1	-5.8	-3.7	-3.0	1.0	-10.5	-2.4	2.1	0.6	-2.4	-4.4	6.8	6.9	0.3	5.1	Manufacture of glass and glass products																

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Table

1.4b

: Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
: Sales Value of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Apr.)	(Jan. - Apr.)
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	16.7	8.4	8.4	7.9	9.0	8.1	7.9	7.8	8.4	
23911	Pembuatan mortar refraktori dan konkrit										
23921	Pembuatan seramik bukan refraktori	6.1	7.9	-7.5	13.3	17.8	12.6	5.2	-3.6	4.2	
23930	Pembuatan produk porselin dan seramik lain	8.2	-7.0	-2.8	-14.1	-9.7	-1.0	-13.5	-5.6	-10.9	
23941	Pembuatan simen hidrolik	22.1	12.4	22.2	13.7	10.1	4.1	2.7	20.0	3.3	
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	23.8	9.1	13.3	8.7	8.1	6.1	5.2	12.2	6.4	
23952	Pembuatan konkrit pratuangan, simen atau artikel batu										
23953	buatan yang digunakan dalam pembinaan;										
23953	Pembuatan komponen struktur pasang siap untuk bangunan	10.0	7.3	0.7	6.1	10.8	12.3	17.1	0.3	17.3	
23959	atau kejuruteraan awam dari simen, batu atau konkrit buatan										
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.										
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	21.8	4.7	8.3	-0.8	2.1	8.7	7.1	7.1	8.0	
	Industri lain	24.9	8.9	5.4	15.9	9.2	5.9	-9.7	7.6	-9.9	
241											
(24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	9.6	6.7	7.0	6.3	5.8	7.6	7.2	5.8	8.9	
242											
(24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	8.8	1.0	2.6	0.5	-1.2	1.6	-0.4	2.4	1.0	
243	Pengacuan logam	20.6	7.6	6.3	5.7	13.8	4.9	20.0	4.1	22.1	
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	17.0	11.6	7.1	15.8	12.8	11.3	11.4	9.5	11.5	
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan										
25119	pintu pagar daripada logam	16.9	12.3	4.3	19.0	14.9	12.2	10.2	8.0	10.3	
25120	Pembuatan produk struktur logam lain										
	Pembuatan tangki, takungan dan kontena daripada logam	18.4	10.4	14.3	7.6	9.0	10.9	17.7	13.1	17.6	
	Industri lain	7.6	7.0	16.9	18.9	0.9	-6.4	-15.5	17.8	-15.5	
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	10.4	6.6	5.7	1.7	8.8	10.2	13.7	3.4	15.7	
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	24.0	5.3	7.9	6.1	4.3	3.2	2.8	7.3	3.3	
25920	Rawatan dan penyalutan logam; menggunakan mesin	21.8	12.8	33.9	10.6	2.1	6.2	23.5	27.4	31.8	
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-2.5	6.4	-6.9	2.8	9.0	22.3	26.0	-6.1	27.2	
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam										
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	2.7	-1.8	-9.9	-9.3	8.6	7.0	12.7	-11.4	15.1	
25994	Pembuatan barangan rumah daripada logam	7.7	13.2	17.4	15.2	7.5	13.1	11.2	18.8	10.2	
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	21.0	13.1	28.0	7.0	10.2	9.4	8.3	20.0	8.4	
	Industri lain	21.7	43.8	39.4	45.1	52.0	39.6	18.0	39.9	18.8	
261	Pembuatan komponen dan papan elektronik	28.9	2.5	16.5	7.4	-1.5	-9.4	-1.7	14.8	-1.9	
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya										
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	34.0	-2.9	5.7	-2.1	-2.5	-11.9	-2.0	2.8	-1.1	
26103	Pembuatan kapasitor dan perintang elektrik										
26104	Pembuatan papan litar bercetak	21.4	8.4	36.1	21.1	-3.7	-10.4	-7.5	36.1	-8.4	
26105	Pembuatan komponen paparan										
26109	Pembuatan komponen lain untuk aplikasi elektronik	29.8	35.3	15.8	33.2	44.2	44.0	78.3	19.0	67.4	
262											
(26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	8.0	2.2	-2.6	-1.3	10.6	4.2	19.5	-4.2	22.4	
263/ 26300	Pembuatan peralatan komunikasi	0.3	41.7	10.8	50.0	69.7	37.6	32.5	19.9	25.6	
264/ 26400	Pembuatan peralatan elektronik pengguna	11.0	-1.5	-9.3	-3.6	4.4	2.4	-3.2	-10.5	-4.7	
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	30.3	3.1	2.9	1.1	0.1	7.9	12.8	2.9	14.7	
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	31.7	4.5	4.0	4.4	0.4	8.7	13.3	4.8	15.5	
26512	Pembuatan kelengkapan kawalan proses perindustrian										
26520	Pembuatan jam tangan dan jam dan bahagiannya	20.9	-6.5	-6.6	-19.3	-2.6	1.3	8.6	-11.1	7.6	
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-34.3	4.6	27.8	-8.0	-4.6	8.7	25.5	14.0	22.7	

2023																2024																Group Description/Period
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.																	
3.8	12.3	9.3	5.7	10.6	7.8	8.1	8.2	10.7	8.2	8.9	7.4	12.7	3.9	7.2	10.2	Manufacture of non-metallic mineral products n.e.c. Manufacture of refractory mortars and concretes																
-13.3	-3.7	-5.3	11.4	28.6	2.6	11.6	18.6	22.9	21.1	14.0	4.2	13.5	1.5	1.0	1.2	Manufacture of non-refractory ceramic																
2.5	-2.5	-8.6	-13.6	-12.2	-16.5	-13.4	-6.6	-8.8	-1.0	1.6	-3.5	-15.0	-14.1	-11.1	-2.5	Manufacture of other porcelain and ceramic products																
25.3	21.7	19.8	13.7	14.2	13.2	13.6	8.8	8.1	4.1	5.9	2.4	2.7	0.1	5.0	5.5	Manufacture of hydraulic cement																
8.1	18.7	13.5	8.6	8.9	8.6	10.8	6.5	7.2	6.6	7.6	4.2	9.1	0.8	5.7	10.4	Manufacture of ready-mix and dry-mix concrete and mortars																
																Manufacture of precast concrete, cement or artificial stone articles for use in construction																
-7.9	6.1	4.8	-0.9	9.4	11.2	8.8	9.9	13.8	10.3	12.4	14.0	27.0	11.5	13.3	17.7	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone																
																Manufacture of other articles of concrete, cement and plaster n.e.c.																
3.5	15.7	5.9	3.2	5.6	-10.3	-8.9	3.7	12.4	8.6	8.5	8.9	9.6	1.0	11.1	11.0	Manufacture of other non-metallic mineral products n.e.c.																
3.6	5.6	6.9	15.3	15.3	17.2	12.9	6.4	8.6	12.7	2.1	3.5	-5.0	-3.6	-19.8	-10.6	Other industry																
-3.9	12.6	13.5	2.1	5.1	12.9	13.3	1.2	5.0	4.6	9.9	8.4	5.9	7.9	7.7	14.7	Manufacture of basic iron and steel																
1.9	1.9	3.9	1.8	6.5	-8.2	-12.9	-0.5	6.5	3.8	2.6	-1.4	1.3	-3.2	0.8	5.1	Manufacture of basic precious and other non-ferrous metals																
7.6	9.0	2.5	-1.5	3.6	16.1	16.5	14.2	11.3	13.6	3.1	-1.3	23.1	18.1	18.8	28.1	Casting of metals																
1.9	7.1	12.9	17.5	18.9	11.2	11.2	12.4	14.8	10.5	13.7	9.7	10.4	14.5	9.5	11.8	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition																
-2.9	8.3	8.8	20.5	21.2	15.3	10.2	18.1	16.6	10.3	15.5	10.8	11.4	11.3	7.8	10.7	Manufacture of metal doors, windows and their frames, shutters and gates																
16.3	2.3	24.5	9.8	12.3	1.6	13.7	1.9	11.5	12.3	10.8	9.6	10.2	27.5	17.0	17.3	Manufacture of tanks, reservoirs and containers of metal																
10.5	19.9	21.2	21.0	23.7	12.5	9.8	-10.3	5.6	-2.8	0.7	-15.3	-13.3	-14.1	-19.1	-15.3	Other industry																
3.3	10.8	3.1	-2.9	4.2	4.2	8.5	8.9	9.0	8.2	9.3	13.0	14.0	4.8	22.8	21.4	Manufacture of other fabricated metal products; metal working service activities																
8.8	9.1	6.0	5.4	8.3	4.6	6.1	6.7	0.2	1.8	3.1	4.8	4.6	2.5	1.5	4.8	Forging, pressing, stamping and roll-forming of metal; powder metallurgy																
44.5	48.1	10.9	9.4	16.3	6.7	4.4	4.9	-2.4	4.3	3.8	10.0	5.9	7.1	65.1	60.0	Treatment and coating of metals; machining																
-13.6	-3.1	-3.3	-3.5	11.6	1.4	6.3	9.0	11.5	17.2	19.6	29.6	31.8	16.1	30.1	30.9	Manufacture of tins and cans for food products, collapsible tubes and boxes																
																Manufacture of metal cable, plaited bands and similar articles																
-13.5	-4.0	-12.0	-15.6	-10.5	-0.3	6.0	8.0	12.0	5.4	8.0	7.7	11.0	6.5	20.9	22.6	Manufacture of bolts, screws, nuts and similar threaded products																
20.1	27.2	6.7	22.8	17.5	5.8	4.2	8.8	9.8	15.1	13.9	10.3	12.3	13.8	7.3	7.2	Manufacture of metal household articles																
26.5	29.7	27.8	2.3	12.2	7.8	13.5	8.0	9.4	8.0	6.9	13.2	16.3	-7.0	16.3	8.6	Manufacture of any other fabricated metal products n.e.c.																
23.0	55.6	43.4	41.2	51.3	43.4	46.0	52.6	57.5	43.7	40.3	35.3	16.1	19.8	18.1	20.9	Other industry																
13.8	18.4	16.8	9.5	6.5	6.5	3.5	-2.5	-4.6	-7.2	-11.6	-9.6	-2.3	-3.3	0.1	-2.3	Manufacture of electronic components and boards																
																Manufacture of diodes, transistors and similar semiconductor devices																
6.3	4.8	6.0	-6.3	-0.7	0.4	3.9	-4.8	-5.6	-10.8	-13.9	-11.1	-6.6	-2.8	2.3	2.2	Manufacture of electronic integrated circuits micro assemblies																
																Manufacture of electrical capacitors and resistors																
28.5	42.6	36.1	36.4	15.7	13.7	-0.5	-2.3	-7.5	-5.6	-12.7	-12.8	-3.9	-10.1	-7.8	-11.3	Manufacture of printed circuit boards																
																Manufacture of display components																
3.9	21.3	22.3	28.9	29.1	40.8	45.2	40.8	46.3	35.7	40.6	58.4	94.4	83.5	60.8	37.8	Manufacture of other components for electronic applications																
-3.4	-2.3	-2.0	-7.7	12.3	-5.1	12.4	10.9	7.8	4.3	5.0	3.4	15.5	17.8	25.3	29.4	Manufacture of computers and peripheral equipment																
6.2	12.3	13.2	51.6	52.6	46.8	81.3	68.7	63.1	35.2	35.5	41.6	42.1	38.2	20.9	8.1	Manufacture of communication equipment																
-16.7	-5.6	-5.5	-14.2	3.7	1.3	5.7	2.1	5.4	6.7	0.2	0.1	0.9	-0.3	-8.9	-9.6	Manufacture of consumer electronics																
-10.5	12.1	11.9	2.9	6.8	-4.5	-4.0	-5.0	8.6	9.5	7.6	6.5	8.1	17.5	13.5	21.7	Manufacture of measuring, testing, navigating and control equipment; watches and clocks																
																Manufacture of measuring, testing, navigating and control equipment																
-10.7	14.4	14.1	7.6	10.9	-2.8	-3.8	-4.7	9.1	10.9	9.1	6.3	8.3	18.3	14.0	23.9	Manufacture of industrial process control equipment																
-8.5	-5.4	-5.5	-23.6	-18.2	-16.5	-5.4	-7.0	5.0	-0.4	-3.4	9.0	6.4	10.6	9.1	4.0	Manufacture of watches and clocks and parts																
25.8	26.5	30.8	-15.7	10.1	-13.4	-9.2	-8.9	5.3	10.6	2.6	14.2	48.4	17.8	12.9	13.4	Manufacture of irradiation, electromedical and electrotherapeutic equipment																

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Table

1.4b : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
: Sales Value of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Apr.)	(Jan. - Apr.)
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	33.7	24.2	26.0	20.2	22.7	27.7	33.4		25.3	29.7
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	33.3	11.9	9.0	5.8	20.9	10.9	4.3		6.1	5.2
27101	Pembuatan motor elektrik, penjana dan transformer	17.2	-4.6	-9.8	-18.4	6.9	2.9	2.1		-14.1	3.1
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	42.5	19.7	18.6	18.2	27.2	14.4	5.2		16.6	6.0
272/ 27200	Pembuatan bateri dan akumulator	33.6	-3.4	29.0	25.1	-26.0	-19.6	-3.6		31.6	-3.0
273	Pembuatan pendawaian dan peranti pendawaian	0.02	-8.7	-9.5	-12.8	-8.0	-4.3	-6.8		-12.0	-6.2
27310	Pembuatan kabel gentian optikal	14.9	27.3	23.6	28.7	39.6	17.4	4.7		19.2	3.1
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	0.1	-9.7	-9.3	-13.5	-9.9	-5.5	-8.4		-12.0	-7.9
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-7.4	-14.4	-25.6	-23.3	-5.0	2.2	11.0		-26.8	12.6
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	27.1	9.4	9.3	1.2	17.2	8.9	16.5		6.7	17.2
275/ 27500	Pembuatan perkakasan domestik	8.7	-3.9	2.8	-0.3	-3.0	-14.1	3.1		1.5	2.7
279/ 27900	Pembuatan kelengkapan elektrik lain	4.0	15.2	10.3	24.7	20.7	6.6	-6.5		12.5	-8.8
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	6.9	-1.9	4.9	-2.3	-8.1	-1.3	1.9		2.3	2.6
28120 & 28130	Pembuatan alat-alat kuasa bendalir	2.4	-10.5	12.7	-21.2	-26.3	0.3	2.0		-0.1	0.3
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	1.0	-2.8	6.5	-8.6	-8.3	0.7	13.9		1.0	15.2
28192	Pembuatan jentera pembentukan logam dan alatan mesin										
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-6.1	-16.3	-21.7	-17.5	-22.8	-1.5	2.9		-21.5	2.1
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	37.9	-1.7	36.7	10.5	-18.7	-20.0	-23.0		34.5	-20.1
	Industri lain	10.8	14.3	12.5	16.8	17.0	11.1	8.7		11.6	9.2
291 (29101 & 29102)	Pembuatan kenderaan bermotor	12.7	15.0	25.1	5.5	17.5	12.5	16.4		15.5	21.4
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	17.6	9.3	5.8	-1.3	26.9	10.3	-25.4		-0.5	-25.8
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	17.9	12.6	14.1	10.8	12.1	13.3	9.3		10.1	11.0
301 (30110 & 30120)	Pembinaan kapal dan bot	0.9	11.8	26.2	31.3	-1.9	-4.7	-9.2		29.9	-8.3
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	17.1	-2.4	-3.7	-6.3	0.2	-0.1	9.2		-7.0	8.9
30910	Pembuatan motosikal	26.3	5.6	11.7	-3.2	10.3	5.1	31.1		4.5	28.9
30920	Pembuatan basikal dan <i>invalid carriages</i>	24.3	-19.2	-6.5	-15.3	-26.6	-26.7	-8.8		-9.7	-8.4
	Industri lain	9.5	3.0	-8.4	-2.5	11.2	12.4	7.4		-10.4	7.8
310	Pembuatan perabot	9.8	0.2	-5.7	-1.9	-1.4	9.8	12.6		-6.3	13.4
31001	Pembuatan perabot kayu dan rotan	1.0	-1.4	-9.5	-1.4	-2.6	9.2	15.1		-8.1	16.6
	Industri lain	20.5	1.8	-1.5	-2.4	-0.1	10.3	10.0		-4.4	10.0
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	25.5	-1.4	6.4	-8.1	-7.3	5.7	12.9		2.1	14.4
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	10.7	12.8	4.3	18.3	17.7	10.6	-0.6		6.1	-0.9
32901	Pembuatan alat tulis	9.5	6.1	14.6	11.0	-3.9	4.8	-4.9		14.5	-2.4
	Industri lain	11.0	14.9	1.2	20.7	25.6	12.4	0.8		3.6	-0.4
323/ 32300	Pembuatan barangan sukan	5.4	15.5	16.6	30.6	11.7	4.1	4.6		20.9	2.8
324/ 32400	Pembuatan permainan dan mainan	2.6	-15.1	-28.1	-6.5	-5.1	-18.1	-6.3		-26.1	-7.2
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	7.9	7.3	7.4	11.5	10.6	1.4	4.7		8.0	4.9
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	17.8	7.9	10.2	9.3	9.2	4.0	12.0		10.8	12.6
	Industri lain	2.8	6.9	5.9	12.8	11.5	-0.1	0.6		6.4	0.4
Jumlah Pembuatan		15.8	0.2	8.2	-1.0	-2.9	-2.7	1.8		5.5	2.7

2023												2024												Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.									
21.8	28.7	27.5	23.0	38.7	5.0	16.3	23.2	28.8	36.5	25.7	21.9	44.7	33.2	24.0	18.5	Manufacture of optical instruments, photographic equipment, magnetic and optical media								
14.3	10.5	3.1	-1.6	13.7	6.3	17.6	19.8	25.2	14.4	8.9	9.4	8.6	4.7	-0.1	7.6	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus								
-7.6	-3.4	-17.4	-25.1	-9.8	-18.7	-7.8	11.5	17.6	10.9	-6.4	5.0	4.9	0.8	0.3	6.4	Manufacture of electric motors, generators and transformers								
26.5	17.1	13.2	11.2	25.3	18.6	29.9	23.5	28.4	15.9	16.1	11.1	10.1	6.2	-0.2	8.1	Manufacture of electricity distribution and control apparatus								
34.6	33.5	18.9	39.8	27.6	12.7	-27.8	-25.6	-24.9	-26.9	-10.3	-19.4	-6.7	-4.0	0.6	-1.2	Manufacture of batteries and accumulators								
-13.1	-5.5	-9.5	-19.0	-8.2	-10.4	-8.9	-10.7	-4.5	-2.5	-3.1	-7.4	1.6	-11.3	-10.6	-4.6	Manufacture of wiring and wiring devices								
29.5	20.3	21.3	8.1	42.7	38.6	38.0	41.5	39.1	40.9	7.9	8.3	8.2	9.3	-3.2	-1.2	Manufacture of fibre optic cables								
-13.2	-5.4	-9.1	-19.2	-9.5	-11.2	-10.1	-13.3	-6.3	-4.4	-4.1	-8.2	0.2	-13.6	-12.0	-6.2	Manufacture of other electronic and electric wires and cables								
-29.3	-19.8	-27.2	-30.2	-16.4	-22.6	-17.4	-1.1	5.2	6.2	6.7	-5.7	19.6	10.3	3.7	17.6	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material								
19.2	12.1	-1.0	-1.2	6.8	-1.8	24.7	15.9	12.2	18.9	10.0	-1.2	26.1	15.2	8.4	19.4	Manufacture of electric lighting equipment								
-9.3	11.8	7.8	-1.9	0.8	0.3	-3.4	0.5	-6.2	-12.1	-13.2	-17.0	4.6	3.7	1.1	1.5	Manufacture of domestic appliances								
10.2	10.8	9.8	19.8	35.4	19.7	30.8	17.8	15.0	8.0	8.1	3.5	2.2	-11.6	-10.1	-15.8	Manufacture of other electrical equipment								
2.5	5.7	6.6	-4.2	5.5	-7.4	-8.9	-9.7	-5.7	-3.4	2.5	-2.9	3.3	1.6	0.7	4.6	Manufacture of general-purpose and special-purpose machinery								
11.5	24.1	2.4	-25.5	-13.2	-23.7	-30.6	-39.1	-9.9	-12.5	6.4	9.2	8.6	-1.4	-2.0	-4.8	Manufacture of fluid power equipment								
5.2	6.1	8.4	-11.6	-5.3	-8.7	-14.2	-6.3	-4.2	-3.0	2.1	2.6	11.8	11.1	19.0	18.9	Manufacture of other pumps, compressors, taps and valves								
-23.6	-22.8	-18.5	-21.2	-2.6	-27.1	-29.5	-20.7	-18.1	-11.9	5.3	2.2	5.9	4.9	-1.8	-0.1	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives								
32.8	37.6	39.8	28.7	18.6	-9.5	-3.7	-32.8	-17.3	-15.1	-15.2	-28.3	-19.8	-24.3	-25.0	-12.2	Manufacture of metal-forming machinery and machine tools								
9.0	15.5	13.5	8.8	20.7	20.8	16.2	21.5	13.0	14.8	12.3	6.5	9.0	9.2	7.8	10.9	Manufacture of air-conditioning machines, including for motor vehicles								
23.2	18.7	33.5	-13.4	22.3	9.3	26.7	16.0	11.1	24.3	10.9	5.1	29.4	19.6	0.8	43.0	Manufacture of other special-purpose machinery n.e.c.								
8.9	15.5	-3.6	-15.2	6.7	10.0	43.3	29.2	11.5	12.7	9.8	8.5	-25.1	-28.4	-23.2	-26.9	Manufacture of motor vehicles								
16.0	17.9	9.4	-1.2	22.4	11.7	14.8	12.1	9.4	15.4	12.3	12.5	16.9	13.9	-1.7	16.3	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers								
16.1	27.6	34.9	39.8	41.3	12.7	-5.5	-3.7	2.8	0.2	-10.7	-3.7	-12.3	-10.6	-5.3	-6.1	Manufacture of parts and accessories for motor vehicles								
-5.4	-1.8	-3.5	-15.8	-1.1	-0.2	2.3	1.0	-2.5	-6.5	6.0	-0.03	13.9	10.4	3.8	8.1	Building of ships and boats								
12.1	14.6	8.9	-12.3	-3.6	6.9	10.9	8.7	11.1	5.0	5.5	4.7	41.4	30.3	21.5	22.3	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c								
-6.4	8.4	-17.6	-18.2	-12.8	-14.7	-22.4	-25.7	-31.2	-30.2	-25.3	-24.3	-4.3	-17.0	-5.5	-7.3	Manufacture of motorcycles								
-12.0	-13.0	-1.0	-16.2	8.2	4.8	12.3	13.6	8.0	1.9	24.2	10.7	9.2	15.0	0.2	8.7	Manufacture of bicycles and invalid carriages								
-9.9	-3.3	-3.6	-8.4	8.1	-5.4	-1.3	0.3	-2.8	8.1	9.6	11.5	13.0	9.2	15.3	16.1	Other industry								
-15.2	-3.2	-9.3	-2.6	10.9	-12.6	-5.0	1.0	-3.7	6.1	9.1	12.1	13.7	9.8	21.5	22.1	Manufacture of furniture								
-4.0	-3.4	3.2	-13.4	5.8	2.9	2.8	-0.5	-1.9	10.0	10.2	10.8	12.4	8.6	8.8	10.3	Manufacture of wooden and cane furniture								
4.8	9.5	5.3	-7.8	-7.9	-8.6	-8.8	-10.2	-3.7	2.5	4.7	9.7	12.4	9.8	16.7	18.2	Other industry								
1.4	7.4	4.1	11.4	28.9	15.1	17.8	18.1	17.1	17.5	9.0	5.5	1.6	-0.9	-2.6	-1.7	Manufacture of jewellery, bijouterie and related articles								
16.9	18.6	8.6	14.3	14.6	4.3	-7.8	-5.0	2.2	6.9	-0.1	7.6	-4.7	-10.3	0.4	4.9	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.								
-3.1	4.1	2.7	10.5	33.6	18.9	28.1	27.3	21.7	20.9	11.8	4.9	3.8	2.3	-3.6	-3.7	Manufacture of stationery								
17.1	11.2	21.2	32.4	39.6	18.6	16.3	11.8	7.0	6.5	0.2	5.6	10.9	6.3	-2.4	-1.7	Other industry								
-28.1	-37.0	-18.9	-21.2	2.2	5.8	-0.9	-6.5	-7.2	-6.9	-25.6	-21.6	-15.9	-1.2	-1.5	-9.2	Manufacture of sports goods								
3.7	15.4	4.5	9.8	12.4	12.9	10.8	11.0	10.2	3.0	0.8	0.5	3.4	3.0	7.4	5.6	Manufacture of games and toys								
9.4	28.5	-0.3	12.6	6.7	6.5	2.8	15.0	9.4	5.8	3.4	2.8	9.2	12.8	13.7	14.0	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment								
0.8	9.5	7.8	8.1	15.6	16.4	15.5	8.7	10.8	1.4	-0.7	-0.8	0.3	-2.2	3.4	-0.03	Repair and maintenance of transport equipment except motorcycles and bicycles								
6.5	10.3	8.0	-2.0	3.3	-4.0	-3.0	-3.3	-2.4	-1.4	-2.6	-4.2	3.2	0.7	1.4	5.7	Other industry								
6.5	10.3	8.0	-2.0	3.3	-4.0	-3.0	-3.3	-2.4	-1.4	-2.6	-4.2	3.2	0.7	1.4	5.7	Total Manufacturing								

Jadual : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024	2023				
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
101	Pemprosesan dan pengawetan daging	-0.5	5.5	-2.8	-0.1	3.3	1.9	5.4	-0.9	4.8	0.2
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	0.7	2.6	4.4	1.0	-4.6	8.1	-10.7	5.2	-3.0	12.3
	10201 Pengetinan ikan, krustasea dan moluska										
	& 10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	0.2	2.6	4.7	0.3	-4.9	8.6	-11.6	5.5	-2.9	12.6
	Industri lain	7.4	1.3	-0.4	11.7	-0.3	1.6	2.5	1.8	-3.8	8.1
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10.3	16.0	3.3	1.7	1.5	4.7	3.5	16.1	-2.4	8.0
	10303 Pengetinan nanas										
	& 10304 Pembuatan jem, marmalad dan sajian jeli	8.4	28.3	3.2	4.1	-1.5	8.7	6.8	17.9	-5.2	21.8
	Industri lain	10.9	12.6	3.3	0.9	2.5	3.7	2.6	15.5	-1.6	4.1
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-21.1	0.8	8.1	10.1	-16.8	-18.1	-5.4	-6.8	5.1	3.6
	10404 Pembuatan minyak sayuran mentah dan bertapis										
	& 10406 Pembuatan sebatian lemak masakan	-4.9	5.1	1.1	-2.3	-1.9	-17.4	6.7	1.2	0.3	6.4
	10405 Pembuatan minyak kelapa	-20.3	-13.8	13.2	10.2	9.1	-17.8	-13.9	-9.7	-11.6	25.8
	Industri lain	-23.1	0.3	9.1	11.9	-18.9	-18.1	-6.9	-8.0	6.0	3.0
105	Pembuatan produk tenusu	0.2	4.1	-7.8	0.2	-2.8	-3.1	2.6	7.9	-1.1	2.1
	10502 Pembuatan susu pekat, tepung dan sejat	0.7	3.8	-9.2	0.1	-3.3	-3.6	3.8	8.2	-1.3	1.7
	Industri lain	-6.5	7.8	13.8	0.7	2.8	3.7	-13.4	2.9	3.0	9.7
106	Pembuatan produk bijian, kanji dan produk berkanji	1.5	1.6	-1.3	2.1	3.6	-4.7	6.7	2.6	-2.0	3.7
	10611 Pengilangan beras	2.4	3.6	-4.8	-0.3	4.9	-7.4	17.4	0.2	-0.4	5.3
	10613 Pengilangan tepung	1.7	0.2	2.2	4.2	2.3	-1.9	-2.0	5.4	-3.6	2.3
	Industri lain	-13.8	-7.1	2.7	5.7	5.8	-7.4	-6.9	-0.1	-2.7	-2.4
107	Pembuatan produk makanan lain	0.9	4.6	1.8	4.3	-0.1	-0.6	1.2	2.1	-2.1	9.4
	10711 Pembuatan biskut dan cookies	-1.0	13.5	11.3	12.5	-9.9	-6.3	8.1	0.8	-0.2	15.9
	10712 Pembuatan roti, kek dan produk bakeri lain	10.0	6.0	-3.1	-5.2	3.5	6.4	-4.6	6.3	-4.7	14.2
	10713 Pembuatan produk snek	-4.6	14.1	7.9	11.2	3.4	-10.9	3.4	13.3	-1.5	10.3
	10721 Pembuatan gula	-0.6	16.0	9.1	9.4	-7.6	-2.9	2.7	-0.8	-0.2	18.2
	10731 Pembuatan produk koko	2.1	-3.8	2.1	7.5	16.3	0.4	11.1	-14.4	-0.3	10.4
	10732 Pembuatan coklat dan produk coklat										
	& 10733 Pembuatan konfeksi gula	-1.4	0.2	-2.4	4.9	0.3	1.6	-1.7	1.1	-1.0	6.8
	10793 Pembuatan sos dan bahan perasa	-1.5	1.0	8.0	8.2	-0.9	-5.9	10.3	2.8	1.8	-12.7
	10799 Pembuatan produk makanan lain t.t.t.l.	-6.3	-1.8	3.1	11.1	-7.3	-4.9	3.4	1.9	-3.9	4.4
	Industri lain	0.8	5.2	2.6	1.2	2.4	-3.3	3.2	3.6	-2.3	7.4
108/ 10800	Pembuatan makanan haiwan tersedia	2.9	14.8	2.9	-5.1	-3.5	-0.3	2.3	6.0	6.5	5.1
110	Pembuatan minuman ringan	-1.4	-2.3	4.9	4.7	-1.1	1.5	-0.4	6.8	0.4	-6.3
	11041 Pembuatan minuman ringan	-4.3	-1.2	9.7	5.0	-2.4	-7.9	3.6	8.5	0.6	-10.5
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	3.1	3.1	8.0	-6.2	-2.4	-2.8	11.9	6.9	0.4	-4.8
	Industri lain	2.0	-5.4	-3.4	7.7	1.5	18.5	-8.7	4.2	0.3	-0.1
120/ 12000	Pembuatan produk tembakau	29.1	-16.7	-19.0	25.1	29.4	30.3	-11.5	29.7	-20.7	4.9
131	Pemintalan, penenunan dan penyiapan tekstil	-8.9	0.3	-6.9	-1.3	8.4	-10.8	-8.9	8.8	-4.0	5.0
	13110 Penyediaan dan pemintalan gentian tekstil										
	& 13120 Penenunan tekstil	-5.6	-0.8	-11.1	-4.3	11.2	-9.3	-9.2	8.3	-3.7	5.9
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-18.9	4.4	7.2	7.4	1.4	-16.6	-7.5	10.9	-4.9	1.7
	Industri lain	-12.1	-12.8	-1.5	-13.0	13.5	12.5	-23.1	-0.7	-4.6	8.9
139	Pembuatan tekstil lain	7.1	-2.5	0.5	8.6	8.7	6.4	-0.05	-0.8	-2.1	-0.1
	13910 Pembuatan fabrik dikait dan dikrusye	-0.3	-2.6	-4.1	3.6	9.1	0.01	0.2	-0.1	-2.6	-0.2
	Industri lain	13.0	-2.4	3.7	11.8	8.5	11.4	-0.2	-1.3	-1.8	0.04
141	Pembuatan pakaian, kecuali pakaian berbulu	2.6	-6.1	0.6	7.2	2.7	-2.8	0.7	-0.2	-5.3	1.1
	14102 Pembuatan pakaian	0.7	-4.1	1.0	6.4	1.2	-4.5	-0.04	-2.0	-2.2	1.7
	Industri lain	16.6	-18.9	-2.8	13.4	14.4	12.2	5.8	12.3	-24.2	-3.5
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	9.8	-10.0	3.5	19.1	9.4	12.6	5.1	1.3	-12.5	1.1
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-7.8	-13.6	6.2	25.2	-7.2	-2.7	-3.5	4.8	-12.7	0.4
152	Pembuatan kasut	2.9	-2.5	2.6	11.4	-3.9	3.9	-7.2	5.4	0.3	-3.5
	15201 Pembuatan kasut kulit										
	& 15203 Pembuatan kasut getah	-1.4	-2.4	6.1	14.1	-4.4	4.2	-10.3	4.3	2.0	-4.1
	Industri lain	11.7	-2.7	-3.6	5.9	-2.7	3.5	-1.3	7.4	-2.5	-2.5
161/ 16100	Pengilangan dan pengetaman kayu	7.7	-29.9	5.8	16.1	6.1	-3.0	2.1	13.6	-21.8	-19.3

2024											Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
-1.8	-3.6	2.9	0.2	-0.03	1.6	-6.6	5.9	2.6	-0.8	2.5	Processing and preserving of meat
-5.3	4.8	-1.2	0.7	3.2	-1.5	-3.4	4.5	-10.8	3.8	0.7	Processing and preserving of fish, crustaceans and molluscs
-5.2	5.6	-1.6	0.0	3.4	-1.9	-3.6	4.7	-11.4	4.3	1.1	Canning of fish, crustaceans and molluscs
-5.9	-6.6	6.2	11.7	-0.1	3.6	-0.8	2.0	-2.6	-3.3	-4.8	Processing, curing and preserving of fish, crustacean and molluscs
-5.9	-6.6	6.2	11.7	-0.1	3.6	-0.8	2.0	-2.6	-3.3	-4.8	Other industry
4.0	-3.2	-1.3	7.2	-1.5	1.1	-5.1	8.3	-6.8	3.9	1.8	Processing and preserving of fruits and vegetable
11.4	-10.1	-3.2	9.0	2.9	-0.7	-8.7	6.2	-5.1	7.3	-4.1	Pineapple canning
1.6	-0.8	-0.7	6.6	-2.9	1.7	-3.9	9.0	-7.3	2.9	3.7	Manufacture of jams, marmalades and table jellies
0.4	-3.9	8.7	14.1	0.9	-3.5	-0.3	1.1	-23.5	-3.3	20.4	Other industry
-6.9	-1.4	6.5	3.0	-2.3	-9.1	6.9	5.4	-12.6	1.3	-10.1	Manufacture of vegetable and animal oils and fats
-16.3	10.3	10.5	1.4	10.0	-14.4	20.2	-0.3	5.3	-3.6	-11.9	Manufacture of crude and refined vegetable oil
1.7	-4.4	9.0	15.8	1.3	-2.7	-1.3	0.5	-25.3	-4.0	25.8	Manufacture of compound cooking fats
-6.3	-6.9	6.0	-3.3	2.3	1.7	-8.6	0.05	0.5	6.8	-1.7	Manufacture of dairy products
-7.0	-7.6	6.0	-4.0	2.6	2.2	-8.9	-1.1	1.3	7.4	-2.2	Manufacture of condensed, powdered and evaporated milk
4.1	2.1	5.2	5.5	-0.2	-4.1	-4.6	13.1	-7.4	0.3	4.9	Other industry
-7.6	-0.6	3.1	4.2	-0.5	-0.8	-1.8	5.8	-6.5	12.2	-1.5	Manufacture of grain mill products, starches and starch products
-13.5	0.2	2.3	4.7	-2.1	-2.9	0.1	3.4	-5.8	20.0	-1.3	Rice milling
-1.5	-1.5	4.2	3.4	1.0	1.1	-3.5	7.8	-7.2	5.3	-2.0	Flour milling
-1.1	1.4	-1.3	11.2	0.2	-0.8	-1.9	9.3	-6.9	9.4	2.5	Other industry
-3.5	-1.9	4.1	1.5	1.6	1.9	-2.7	1.6	-3.4	5.3	0.8	Manufacture of other food products
-0.7	6.0	0.5	0.7	7.9	6.7	-2.5	-7.9	-9.1	11.6	-0.2	Manufacture of biscuits and cookies
-2.4	-4.3	2.6	-9.0	0.7	0.05	-1.6	7.2	-6.0	4.7	4.2	Manufacture of bread, cakes and other bakery products
-3.3	-1.2	9.3	5.3	1.3	6.1	-2.5	6.3	-11.7	16.4	-0.03	Manufacture of snack products
9.3	-7.5	4.3	8.1	3.5	2.1	-7.1	-4.9	0.8	2.4	0.4	Manufacture of sugar
-9.1	5.7	-0.5	0.3	8.5	-0.3	-2.2	18.3	1.2	-2.8	6.0	Manufacture of cocoa products
-9.5	-2.4	6.0	2.1	-0.4	4.3	-2.6	-2.5	0.4	8.7	-1.3	Manufacture of chocolate and chocolate products
9.8	-2.5	9.6	7.1	0.02	-0.1	1.4	-0.5	-2.7	1.6	4.5	Manufacture of sugar confectionery
-8.7	-1.0	8.8	9.2	3.0	0.7	-3.8	-2.2	-3.9	-1.1	-1.5	Manufacture of sauces and condiments
-2.5	-0.2	0.9	4.7	-1.0	-0.9	-1.5	4.4	-3.7	5.7	-1.5	Manufacture of other food products n.e.c.
-1.1	1.9	-0.03	0.3	0.7	-3.5	-11.4	4.0	-1.1	8.2	-0.8	Other industry
-8.0	10.4	5.5	-2.5	12.4	-9.3	-2.5	2.4	-2.2	9.4	0.2	Manufacture of prepared animal feeds
-3.0	20.2	-2.2	-5.2	16.8	-10.1	2.2	-0.4	-5.6	12.2	2.3	Manufacture of beverages
-6.0	9.6	7.0	-0.8	-2.4	-5.0	-6.9	0.1	4.7	3.0	1.9	Manufacture of soft drinks
-15.7	-4.9	20.5	1.4	10.4	-9.2	-8.9	8.3	1.5	7.0	-3.6	Production of natural mineral waters and other bottled waters
-30.3	-1.5	11.0	-8.2	33.2	-3.4	-4.9	27.3	-0.6	20.3	-18.6	Other industry
-4.0	-4.1	1.9	-9.0	2.0	3.2	1.0	12.1	-8.3	1.8	4.8	Manufacture of tobacco products
-8.3	-3.6	0.1	-12.4	0.5	4.8	2.6	12.5	-9.2	6.0	5.0	Spinning, weaving and finishing of textiles
12.1	-5.8	7.0	1.0	5.7	-0.5	-2.6	10.8	-6.2	-8.4	4.2	Preparation and spinning of textile fibres
-13.3	2.5	16.0	-20.5	1.9	-1.1	-12.8	26.8	13.4	-27.3	-9.7	Weaving of textiles
0.7	-1.5	1.6	1.5	5.2	3.4	-1.5	9.8	-1.8	0.5	-4.7	Dyeing, bleaching, printing and finishing of yarns and fabrics
0.3	-4.6	1.6	-2.1	3.8	2.0	-1.6	10.0	-0.9	0.8	-2.6	Other industry
1.0	0.6	1.6	3.9	6.0	4.2	-1.4	9.6	-2.4	0.3	-5.9	Manufacture of other textiles
-4.7	5.6	-3.6	1.4	3.9	7.6	-4.3	5.1	-7.6	10.8	-8.7	Manufacture of knitted and crocheted fabrics
-5.2	6.6	-3.6	-0.1	4.0	7.6	-3.9	4.3	-9.1	11.3	-7.8	Other industry
-0.8	-2.7	-4.1	14.1	2.9	7.8	-7.3	12.2	3.2	7.4	-14.5	Manufacture of wearing apparel, except fur apparel
-1.0	-0.9	-4.1	23.4	6.6	3.9	-10.7	14.1	1.3	4.1	-12.0	Manufacture of clothings
-9.5	2.3	9.6	12.3	10.5	8.4	-9.6	-2.6	-3.3	4.6	-13.5	Other industry
-4.5	2.8	9.7	-6.1	9.2	5.1	-0.5	1.6	-10.2	0.3	-3.9	Manufacture of articles of fur, knitted and crocheted apparel
-2.3	3.8	10.6	-4.7	9.8	5.7	0.2	0.6	-12.0	3.7	-9.5	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-8.5	1.0	8.1	-9.1	8.0	3.8	-1.8	3.8	-6.4	-6.6	8.5	Manufacture of footwear
-19.1	4.3	45.4	-5.9	11.7	-3.3	-3.0	10.8	-11.9	23.4	-16.9	Manufacture of leather footwear
											Manufacture of rubber footwear
											Other industry
											Sawmilling and planning of wood

Jadual Table **1.4c** : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023	
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	2.5	-35.0	8.3	30.5	10.4	3.0	-4.2	6.0	-22.5	-20.9
16211	Pembuatan kepingan venier dan papan lapis	7.0	-37.5	9.0	35.8	11.0	9.1	-4.5	5.7	-23.6	-23.1
16212	Pembuatan papan partikel dan papan gentian	-5.3	-32.2	6.1	27.2	10.4	-8.0	-1.4	8.3	-22.3	-17.9
16221	Pertukangan kayu untuk jurubina	2.9	-36.6	14.0	27.0	8.9	6.1	-11.3	3.7	-23.6	-19.8
	Industri lain	3.3	-28.0	4.4	17.4	9.1	2.9	-2.0	3.6	-15.7	-20.0
170	Pembuatan kertas dan produk kertas	5.6	-2.4	0.1	2.5	1.9	1.9	3.6	5.3	-2.1	-5.7
17010	Pembuatan pulpa, kertas dan kertas tebal	-1.2	-9.0	3.6	6.7	1.0	5.4	2.9	-9.9	-0.8	2.0
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-2.8	-6.0	0.1	3.9	-6.5	-4.4	1.2	7.3	-5.7	-4.9
17091	Pembuatan sampul surat dan kad surat	-4.5	-7.1	-5.2	-2.9	-0.1	4.0	-14.9	12.3	-4.4	-8.0
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	18.4	-0.8	-2.1	-3.0	7.3	5.1	4.8	12.0	-2.8	-8.2
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	14.0	8.2	-5.5	2.1	11.7	6.6	9.4	13.5	5.4	-19.2
	Industri lain	22.5	8.6	7.5	3.6	8.9	8.3	8.1	3.5	1.1	5.3
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	3.8	-9.4	0.1	10.0	3.8	-1.4	1.7	-1.4	-6.1	-4.8
18110	Percetakan	3.1	-7.7	2.3	11.1	4.8	-0.3	2.3	1.3	-6.0	-5.3
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan Penerbitan semula media rakaman	6.1	-15.0	-7.2	6.1	-0.3	-4.5	0.2	-9.6	-6.4	-3.3
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-18.5	1.5	3.4	-7.6	-10.3	5.3	-23.4	3.7	4.5	7.5
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	5.9	-13.3	3.3	-3.3	6.1	-0.8	-0.3	4.3	-15.4	1.2
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-10.3	-27.3	-4.5	15.5	5.7	-8.1	-10.2	-13.0	-14.6	3.7
20112 & 20113	Pembuatan kimia organik asas Pembuatan sebatian bukan organik	7.1	-19.3	4.9	-4.1	11.0	-2.1	0.3	2.7	-17.1	-6.4
20121 & 20129	Pembuatan baja Pembuatan produk campuran nitrogen	5.8	-12.4	-10.7	-8.6	-10.2	3.8	-6.2	5.0	-10.9	8.8
20131	Pembuatan plastik dalam bentuk primer	7.8	-2.8	5.8	-2.0	1.7	0.5	1.7	9.5	-15.2	11.8
	Industri lain	-1.6	-8.3	-1.6	-4.4	8.0	1.6	-1.0	1.2	-8.5	0.4
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	6.0	-3.3	8.1	1.5	7.0	-0.1	-4.4	9.0	-13.0	9.4
20210	Pembuatan racun perosak dan produk agrokimia lain	2.9	-3.0	9.8	-2.4	0.2	-8.2	-10.6	8.9	-6.8	-4.1
20221	Pembuatan cat, varnis dan penyadur dan mastik	19.8	6.0	9.0	1.6	17.6	4.6	0.3	17.8	-13.9	15.4
20222	Pembuatan dakwat cetak	3.9	-4.3	-1.7	-6.7	22.1	1.5	-4.5	0.3	-6.2	4.7
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap Pembuatan pewangi dan penyediaan dandanan diri	3.1	-5.2	8.8	-3.2	5.8	-1.4	-0.1	9.1	-17.5	13.4
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials Pembuatan dakwat menulis dan melukis	-3.2	-11.4	5.7	12.2	-3.7	0.9	-13.2	-2.7	-6.8	4.1
20299	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	6.4	-23.3	6.5	28.8	-16.7	2.8	-6.9	9.0	-16.3	-12.8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	5.0	-2.7	3.2	-1.9	6.9	5.0	1.1	6.4	-4.6	-8.6
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	6.9	-1.5	0.9	-1.2	6.6	8.2	0.8	6.6	-2.2	-9.9
	Industri lain	-2.8	-8.4	14.7	-4.9	8.4	-7.7	2.2	5.5	-15.5	-2.1
221	Pembuatan produk getah	0.04	11.3	-12.0	-1.4	8.1	-3.2	-6.8	38.9	-4.0	-4.0
22111	Pembuatan tayar getah untuk kenderaan	-0.9	-7.0	-10.7	-12.9	-5.0	2.1	-5.9	6.2	-11.0	5.8
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	20.9	1.4	1.5	5.4	-3.6	4.0	17.0	8.8	-12.1	7.0
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan Pengilangan semula getah dan prosesan susu getah	-14.3	-1.9	-1.8	13.7	-2.3	-11.9	-9.1	14.7	-7.7	1.3
2024	22192 Pembuatan sarung tangan getah	4.2	16.0	-15.6	-3.4	11.8	-0.9	-7.2	50.2	-3.0	-5.4
	22199 Pembuatan produk getah lain yang t.t.t.l.	-12.5	0.9	6.3	1.9	1.3	-11.1	-5.2	10.7	-4.0	-2.6
222	Pembuatan produk plastik	-7.1	11.7	-0.3	-0.8	-4.7	-10.7	-0.2	12.6	4.0	4.3
22201 & 22202	Pembuatan produk plastik separa siap Pembuatan produk plastik siap	-2.6	10.0	-4.9	-4.0	-2.9	-7.2	2.5	10.7	-0.1	6.8
22203	Pembuatan artikel plastik untuk pembungkusan barangan	-14.4	12.6	0.1	-0.7	-4.7	-15.8	-0.7	9.2	6.0	6.8
22204	Pembuatan barangan plastik jurubina	16.8	22.2	10.5	-0.8	-7.8	-11.9	24.3	29.3	-2.1	4.0
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	-4.0	24.4	-7.8	-10.2	-4.9	-2.9	-9.3	28.4	10.7	-0.9
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-5.8	3.7	7.1	8.0	-5.5	-10.1	-1.4	9.0	3.7	0.6
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	5.9	-7.7	-7.0	7.5	13.4	-3.1	-4.1	6.5	-7.7	-0.3

(%)

2024											Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
-16.1	-0.2	41.1	13.5	11.1	-1.8	-2.3	13.2	-6.4	12.6	-21.6	Manufacture of products of wood, cork, straw and plaiting materials
-17.7	-1.8	46.0	20.1	12.2	-2.2	-5.0	15.1	-4.1	10.2	-23.3	Manufacture of veneer sheets and plywood
-18.1	-0.1	37.0	14.6	6.2	-1.0	2.6	11.1	-11.5	18.9	-21.9	Manufacture of particle board and fibreboard
-9.0	7.6	37.3	-5.1	23.3	-1.8	-6.1	11.2	-0.4	9.1	-23.4	Manufacture of builders' carpentry
-10.2	-2.0	35.4	1.7	6.4	-1.8	2.4	11.8	-10.5	12.2	-8.7	Other industry
-3.3	-0.1	6.0	1.5	-0.1	0.1	-1.4	3.2	-1.6	2.3	0.7	Manufacture of paper and paper products
-11.3	0.8	14.5	2.9	2.1	-2.7	0.1	3.6	2.4	-9.6	2.1	Manufacture of pulp, paper and paperboard
-6.1	1.6	4.0	5.6	0.3	-1.2	-2.1	0.2	-11.6	9.3	-0.2	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1.7	-3.2	-0.6	-0.03	0.8	-4.9	-0.5	4.5	-5.6	4.1	11.5	Manufacture of envelopes and letter-card
-4.0	-0.6	8.7	-4.4	-3.8	3.4	-3.6	3.1	3.4	9.4	-2.6	Manufacture of household and personal hygiene paper
17.7	-6.8	-3.0	0.5	2.6	-1.2	2.9	5.9	10.1	-7.6	8.8	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
-3.1	4.4	4.7	0.5	-1.2	5.5	-2.1	8.9	-2.4	3.8	-3.1	Other industry
-0.1	1.1	0.4	1.5	-1.2	16.5	-2.2	0.8	-0.4	-0.5	-2.4	Printing, service activities related to printing and reproduction of recorded media
0.4	2.3	0.6	3.3	-2.6	18.8	-2.9	0.9	-0.2	1.4	-2.3	Printing
-2.0	-3.0	-0.3	-5.3	4.6	7.6	0.8	0.2	-0.9	-8.0	-2.6	Service activities related to printing
											Reproduction of recorded media
-1.8	-2.5	9.2	-3.6	1.8	-6.7	-16.5	10.6	-11.5	6.1	6.1	Manufacture of refined petroleum products
-3.1	1.2	10.7	-9.0	-2.8	3.5	0.8	6.6	-4.6	3.2	0.3	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-15.0	9.8	-2.6	-7.1	8.9	23.9	-8.5	0.7	-0.6	13.6	4.2	Manufacture of liquefied or compressed inorganic industrial or medical gases
-0.5	2.2	14.0	-10.6	-7.5	9.2	2.7	7.6	-2.4	0.4	7.3	Manufacture of basic organic chemicals
											Manufacture of inorganic compounds
											Manufacture of fertilizers
-23.7	-1.1	15.2	-11.2	0.4	-5.3	-7.2	-7.9	-6.1	27.7	-11.1	Manufacture of associated nitrogen products
-1.2	0.7	6.6	-6.2	1.4	-1.7	-0.03	5.8	-6.8	4.1	-9.9	Manufacture of plastics in primary forms
-1.5	-2.3	7.6	-9.7	3.8	-6.1	1.2	17.2	-9.9	0.1	5.5	Other industry
0.8	1.2	5.3	-1.1	-0.8	1.0	1.9	14.0	-15.1	8.8	-7.7	Manufacture of other chemical products and man-made fibres
15.3	-0.4	3.9	-2.3	4.9	-6.7	-7.3	12.0	-2.7	-5.4	-6.0	Manufacture of pesticides and other agrochemical products
0.9	-1.7	9.4	-2.5	-1.9	-0.5	8.0	18.1	-15.2	17.8	-12.3	Manufacture of paints, varnishes and similar coatings ink and mastics
0.8	0.7	-1.0	-11.2	-8.9	18.4	-2.0	22.8	-11.1	9.7	-0.1	Manufacture of printing ink
											Manufacture of soap and detergents, cleaning and polishing preparations
-1.2	3.9	5.5	-6.7	-3.0	2.9	2.2	17.5	-20.0	4.9	-7.1	Manufacture of perfumes and toilet preparations
											Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-2.8	0.4	2.2	13.1	2.5	2.1	-3.0	4.5	-13.7	8.8	-0.1	Manufacture of writing and drawing ink
											Manufacture of other chemical products n.e.c.
-9.8	26.6	-24.9	45.5	0.1	13.4	7.2	-18.4	-9.3	-0.3	-22.7	Other industry
10.9	-2.8	2.2	2.2	0.8	-6.6	-1.4	5.3	4.2	6.3	-3.6	Manufacture of pharmaceuticals, medicinal chemical and botanical products
9.8	-4.1	2.7	2.0	0.6	-4.8	-2.3	3.8	5.2	7.6	-1.4	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
16.3	3.4	0.3	3.3	1.8	-14.0	2.4	12.2	0.04	0.5	-13.9	Other industry
-3.2	-3.4	-10.1	3.7	3.5	-3.7	-3.5	7.1	-8.6	34.4	0.6	Manufacture of rubber products
-4.0	-2.5	-10.2	-2.8	3.7	-16.0	-1.8	5.7	-6.5	3.5	8.2	Manufacture of rubber tyres for vehicles
-1.8	-4.6	2.6	10.7	1.8	-3.1	-5.5	3.9	-9.7	13.0	-6.6	Manufacture of interchangeable tyre treads and retreading rubber tyres
-1.65	1.6	-4.7	1.2	13.1	2.1	-0.1	0.02	-10.9	14.7	-0.8	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
											Rubber remilling and latex processing
-4.4	-5.1	-11.9	4.4	2.6	-4.4	-4.8	8.6	-7.9	43.4	0.8	Manufacture of rubber gloves
5.7	5.1	-4.0	3.5	0.8	-0.2	1.0	6.1	-11.4	8.5	-1.6	Manufacture of other rubber products n.e.c.
-9.8	5.9	-0.5	-0.6	-0.3	1.0	-1.6	-4.7	-4.0	10.7	9.5	Manufacture of plastics products
											Manufacture of semi-manufactures of plastic products
-6.6	-0.7	-4.2	2.6	-2.0	-3.5	-0.1	-2.3	-5.9	14.4	3.5	Manufacture of finished plastic products
-11.4	8.2	-2.1	-1.0	0.04	2.9	-3.6	-5.2	-1.4	8.9	13.0	Manufacture of plastic articles for the packing of goods
-8.6	14.4	1.0	1.7	-1.5	5.1	-11.9	-4.2	-3.0	15.9	-2.9	Manufacture of builders' plastics ware
-1.8	-3.7	-1.8	-5.0	0.6	-11.4	1.9	-1.6	-6.4	12.3	16.9	Manufacture of plastic tableware, kitchenware and toilet articles
-16.3	15.9	7.1	-1.8	0.8	8.8	0.7	-8.0	-4.6	7.9	10.0	Manufacture of diverse plastic products n.e.c.
-7.6	1.7	-0.3	-10.0	2.7	16.5	4.0	8.2	-4.0	-0.2	-3.3	Manufacture of glass and glass products

Jadual
Table **1.4c** : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024				2023	
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	12.9	-10.8	0.5	6.9	12.6	3.5	2.6	3.3	-9.7	-6.3
23911 & 23921	Pembuatan mortar refraktori dan konkrit	10.7	-6.4	2.3	6.3	3.4	-1.3	3.9	3.6	-8.9	0.02
23930	Pembuatan seramik bukan refraktori	-0.6	-6.9	1.2	5.8	-13.2	3.3	-4.8	-8.4	-0.3	2.5
23941	Pembuatan produk porselin dan seramik lain	15.2	-12.2	-3.2	6.4	13.6	8.1	0.3	4.4	-8.6	-10.3
23951	Pembuatan simen hidrolik	13.7	-11.0	0.5	4.4	12.7	2.3	2.5	2.2	-12.4	-1.4
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; atau kejuruteraan awam dari simen, batu atau konkrit buatan	11.7	-9.8	2.8	8.4	16.5	1.0	3.1	4.1	-9.1	-7.6
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	11.2	-14.5	3.7	10.2	9.6	1.5	10.5	-0.1	-12.7	-6.3
	Industri lain	20.4	-6.7	-6.7	1.0	2.7	15.0	-2.7	9.2	-8.2	-3.0
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2.2	-19.1	7.2	21.5	1.8	-0.6	3.3	6.2	-16.2	-10.9
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-0.8	-18.9	-1.0	27.6	-2.7	-4.7	0.9	3.2	-3.7	-17.3
243	Pengacuan logam	-6.7	5.6	1.2	5.3	6.7	-9.1	-2.6	4.9	2.0	-0.9
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	10.1	-0.8	-6.3	8.8	10.2	4.3	-8.3	6.5	-0.9	-2.0
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	14.5	-0.9	-8.7	8.3	12.5	6.0	-5.0	2.6	-0.3	-0.4
25120	Pembuatan produk struktur logam lain	-0.7	0.4	0.0	11.2	5.5	0.6	-17.1	18.7	-1.5	-6.7
	Pembuatan tangki, takungan dan kontena daripada logam	9.8	-8.7	-3.0	-3.7	-0.9	-0.1	-5.7	5.1	-10.7	1.1
	Industri lain										
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	4.5	-3.5	-1.3	10.7	7.9	1.3	0.6	-4.4	2.8	-4.5
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-1.0	0.2	1.5	2.5	-1.4	0.4	-2.6	4.1	-0.4	-2.3
25920	Rawatan dan penyalutan logam; menggunakan mesin	10.9	-15.7	-6.4	21.5	28.8	9.0	-3.9	-16.8	1.8	-7.3
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	3.7	-0.4	7.0	10.7	6.8	-0.3	1.4	-1.4	-1.0	1.3
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	6.7	-3.5	-5.2	9.7	12.4	1.8	2.0	-4.8	-0.6	0.4
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25994	Pembuatan barangan rumah daripada logam	9.0	-1.3	0.7	4.3	7.2	7.8	-2.8	-1.0	4.4	-2.5
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	0.6	-1.9	-2.3	13.5	-0.4	-3.4	2.4	-5.5	12.6	-13.9
	Industri lain	21.8	-1.1	7.3	8.0	2.9	15.6	0.4	4.5	2.0	-5.8
261	Pembuatan komponen dan papan elektronik	-2.7	-5.6	6.7	-7.6	5.6	-12.8	15.9	14.7	-21.2	0.4
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	-4.9	-8.1	11.3	-9.5	5.9	-14.5	10.0	18.9	-26.3	3.4
26103 & 26104 & 26105	Pembuatan litar elektronik bersepadu dengan pemasangan mikro										
26103 & 26104	Pembuatan kapasitor dan perintang elektrik	1.3	-4.2	-1.0	-6.6	4.5	-10.6	25.8	9.0	-15.3	-4.3
26105	Pembuatan papan litar bercetak										
26109	Pembuatan komponen paparan	-10.1	23.3	21.0	7.3	11.3	-7.2	4.2	19.2	-2.9	9.1
262 (26201 & 26202)	Pembuatan komponen lain untuk aplikasi elektronik										
262	Pembuatan komputer dan kelengkapan peranti	8.0	12.9	-17.5	3.6	23.8	2.1	9.7	-7.9	30.7	-15.4
263/ 26300	Pembuatan komputer dan kelengkapan peranti	5.5	30.0	14.5	-12.4	1.6	-12.4	4.4	29.2	-0.9	3.8
264/ 26400	Pembuatan peralatan komunikasi	-5.0	-2.6	20.6	-8.2	-10.2	-5.5	3.8	19.2	-15.8	2.0
265	Pembuatan peralatan elektronik pengguna	-10.8	-13.0	23.7	12.4	-6.7	-7.1	-14.4	15.5	-24.5	6.6
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	-8.9	-14.2	22.6	13.4	-5.1	-6.7	-14.5	16.4	-25.9	7.0
26520	Pembuatan kelengkapan kawalan proses perindustrian	-25.3	-2.4	32.9	4.5	-19.9	-10.4	-13.7	7.7	-10.8	4.1
266/ 26600	Pembuatan jam tangan dan jam dan bahagiannya										
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-12.0	-5.5	10.8	17.9	1.6	-10.8	2.4	14.9	-16.8	-1.5

2024											Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
0.4	0.4	2.6	0.6	-2.9	11.7	2.5	8.6	-5.4	6.6	-7.2	Manufacture of non-metallic mineral products n.e.c.
											Manufacture of refractory mortars and concretes
-2.5	-3.0	4.4	12.3	-5.7	6.1	-2.9	7.6	-7.2	3.1	-8.8	Manufacture of non-refractory ceramic
-2.7	2.9	2.2	-6.3	7.9	3.9	-2.6	-9.0	-3.8	-5.2	9.4	Manufacture of other porcelain and ceramic products
0.6	0.5	0.5	-2.3	-0.3	13.1	-1.4	8.5	-2.2	9.5	-8.2	Manufacture of hydraulic cement
0.4	1.3	0.2	-2.3	-4.0	13.6	3.6	7.1	-5.2	7.2	-8.5	Manufacture of ready-mix and dry-mix concrete and mortars
											Manufacture of precast concrete, cement or artificial stone articles for use in construction
2.4	0.7	4.2	1.2	-4.3	12.6	6.9	12.6	-9.5	5.8	-5.6	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
											Manufacture of other articles of concrete, cement and plaster n.e.c.
-2.8	1.2	7.7	4.7	-2.0	10.1	-0.7	2.1	1.8	10.0	-12.8	Manufacture of other non-metallic mineral products n.e.c.
-3.7	-5.6	-0.2	7.5	-4.9	1.6	1.0	5.6	-1.2	-9.2	2.3	Other industry
-3.2	-6.3	18.4	23.9	-1.7	5.9	-3.9	-2.9	5.3	6.0	-10.8	Manufacture of basic iron and steel
-22.4	-5.3	31.1	30.4	1.7	-2.7	0.4	-2.1	-3.6	7.5	0.4	Manufacture of basic precious and other non-ferrous metals
5.3	-14.1	19.4	3.0	1.7	-4.6	-2.6	13.4	-6.6	5.5	10.1	Casting of metals
0.6	-6.4	0.7	-0.1	1.0	6.7	8.7	5.0	-4.9	1.9	1.1	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
											Manufacture of metal doors, windows and their frames, shutters and gates
-1.0	-10.8	5.4	-1.3	-1.6	7.9	10.7	6.6	-5.1	-0.6	2.4	Manufacture of other structural metal products
5.0	4.5	-9.5	3.7	7.9	3.8	4.5	1.1	-4.1	9.0	-1.3	Manufacture of tanks, reservoirs and containers of metal
0.8	1.0	-3.2	-8.4	-0.5	6.0	-0.4	2.3	-6.6	-1.0	-6.6	Other industry
-1.4	-0.4	1.8	1.2	4.6	1.6	9.9	2.2	-7.5	12.1	1.7	Manufacture of other fabricated metal products; metal working service activities
1.1	0.9	3.4	-4.7	4.6	-0.3	0.9	0.2	-4.5	3.1	2.9	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
0.4	-0.9	-9.4	9.8	10.4	-1.3	24.0	5.0	-2.8	28.3	-1.3	Treatment and coating of metals; machining
0.5	0.2	8.5	0.9	1.1	1.7	14.5	1.3	-10.6	10.4	-0.4	Manufacture of tins and cans for food products, collapsible tubes and boxes
											Manufacture of metal cable, plaited bands and similar articles
-2.1	-3.6	-0.8	0.2	5.8	1.7	8.0	5.0	-2.1	8.0	0.9	Manufacture of bolts, screws, nuts and similar threaded products
-6.7	7.6	-0.8	-1.6	7.0	-3.2	3.0	9.7	-1.5	-6.7	4.2	Manufacture of metal household articles
-3.1	1.4	3.9	3.4	3.6	3.2	10.8	-0.7	-18.1	18.3	5.1	Manufacture of any other fabricated metal products n.e.c.
-6.7	9.1	7.6	0.3	1.0	8.2	-3.4	-0.8	3.6	3.0	4.4	Other industry
13.4	-8.3	5.6	9.3	-9.2	-7.5	-2.3	-5.8	14.7	18.8	-23.0	Manufacture of electronic components and boards
17.2	-5.0	3.1	7.5	-9.1	-10.8	4.2	-10.2	14.5	25.2	-26.4	Manufacture of diodes, transistors and similar semiconductor devices
											Manufacture of electronic integrated circuits micro assemblies
											Manufacture of electrical capacitors and resistors
8.1	-13.3	9.7	10.0	-9.7	-2.7	-11.5	-1.6	17.8	11.8	-18.6	Manufacture of printed circuit boards
											Manufacture of display components
16.2	-6.3	6.4	27.7	-5.9	-6.0	-0.8	13.9	-1.6	4.4	-16.8	Manufacture of other components for electronic applications
-3.9	-1.5	5.2	-34.7	42.3	-7.7	6.3	14.0	11.9	-2.1	35.0	Manufacture of computers and peripheral equipment
21.5	-16.1	16.2	21.0	-29.8	0.9	14.6	-12.1	1.5	13.0	-11.4	Manufacture of communication equipment
2.2	7.6	7.1	14.1	-12.9	-1.2	-13.8	-4.8	2.6	9.0	-16.5	Manufacture of consumer electronics
17.0	-0.6	5.1	19.4	-0.4	-1.8	0.9	-5.7	-7.0	11.5	-19.0	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
											Manufacture of measuring, testing, navigating and control equipment
16.6	-2.5	6.0	21.1	-0.9	-1.7	1.6	-4.9	-6.6	12.1	-19.4	Manufacture of industrial process control equipment
20.0	14.8	-1.0	7.0	3.4	-2.5	-4.2	-12.5	-10.3	6.3	-15.0	Manufacture of watches and clocks and parts
12.2	-6.3	16.3	-1.8	10.6	8.6	-8.1	16.0	-18.8	10.1	-16.4	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual **1.4c** : Nilai Jualan Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Sales Value of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024	2023				
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	1.9	0.5	21.7	2.4	6.5	-8.1	1.8	17.1	-12.8	1.6
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-5.4	5.9	25.5	-11.8	-11.0	-0.6	-6.6	9.0	-1.5	2.4
27101	Pembuatan motor elektrik, penjana dan transformer	-11.7	-0.8	32.2	-11.1	-12.4	1.2	-8.7	1.8	-0.2	0.2
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	-2.8	8.5	23.2	-12.0	-10.5	-1.3	-5.8	11.9	-2.0	3.2
272/ 27200	Pembuatan bateri dan akumulator	-25.3	8.8	-15.4	16.9	-10.5	-15.6	-13.6	-3.5	11.7	0.9
273	Pembuatan pendawaian dan peranti pendawaian	-2.9	-2.1	4.4	-3.6	-5.4	-2.3	0.7	-2.6	-0.7	-0.7
27310	Pembuatan kabel gentian optikal	15.2	15.4	1.7	-13.2	2.8	2.3	-7.2	7.5	4.1	12.3
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-4.0	-3.3	4.6	-2.7	-6.9	-2.3	1.0	-3.7	-0.5	-2.1
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	2.5	4.0	4.3	-8.1	11.3	-5.4	2.1	7.2	-7.2	10.9
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-7.2	-1.4	30.4	-8.8	-0.7	-11.6	1.0	2.1	-10.7	13.1
275/ 27500	Pembuatan perkakasan domestik	-8.4	2.3	7.1	-14.4	9.9	-12.3	0.4	9.3	-0.8	-6.6
279/ 27900	Pembuatan kelengkapan elektrik lain	-2.1	8.2	8.0	-6.9	-14.1	-1.4	-2.6	4.0	-1.4	10.2
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-10.8	6.6	-8.5	13.4	-8.0	-12.6	-4.5	1.9	7.8	-0.2
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-29.8	-1.3	6.2	36.3	-28.6	-17.2	0.5	-19.0	15.1	-3.7
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-15.2	8.5	-5.8	16.1	-4.1	-15.9	-4.3	-3.0	11.7	0.3
28192	Pembuatan jentera pembentukan logam dan alatan mesin	-3.6	11.6	-25.8	23.4	0.8	-6.7	-4.9	6.6	13.8	2.8
28290	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-14.7	-1.5	-14.3	11.1	-17.9	-22.5	-6.8	11.7	3.9	-17.9
	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-4.4	8.5	3.6	3.3	-6.5	-5.1	-3.8	0.5	2.0	10.3
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-13.6	-20.2	18.3	37.9	-10.6	-17.5	-10.8	13.5	-33.9	29.5
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	-0.6	-2.3	-5.2	19.8	-32.8	1.9	-8.3	19.2	-6.6	3.7
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	4.2	1.1	9.8	-1.9	0.5	0.4	-0.8	11.1	-14.7	19.0
301 (30110 & 30120)	Pembinaan kapal dan bot	5.0	-5.7	-24.6	27.6	0.02	8.1	0.9	17.1	9.2	-32.2
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	-15.9	-1.6	2.6	17.7	-8.1	-15.2	-7.8	18.2	-9.4	-0.8
30910	Pembuatan motosikal	-18.2	6.1	12.2	7.7	2.1	-19.8	-7.1	6.7	-0.7	2.0
30920	Pembuatan basikal dan invalid carriages	-22.5	-1.0	-15.1	12.6	-3.6	-16.3	-4.9	3.4	-1.6	2.2
	Industri lain	-11.0	-5.6	6.6	25.4	-14.9	-12.1	-9.7	32.4	-16.5	-3.7
310	Pembuatan perabot	4.6	-20.4	-2.5	35.2	7.3	3.6	-4.7	7.8	-19.5	7.5
31001	Pembuatan perabot kayu dan rotan	8.2	-24.6	2.4	30.6	14.1	5.3	0.3	6.1	-23.5	3.4
	Industri lain	1.0	-16.0	-7.1	39.9	0.7	2.0	-9.6	9.6	-15.2	11.4
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	-5.7	16.6	-15.4	13.6	0.8	4.2	-11.9	-0.3	18.4	8.1
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	5.6	12.9	5.2	-11.8	-5.1	1.5	2.9	-0.7	10.3	8.8
32901	Pembuatan alat tulis	12.4	3.5	-0.3	-9.6	2.0	14.3	-0.7	-1.4	5.7	1.2
	Industri lain	3.5	16.1	6.9	-12.5	-7.2	-2.3	4.1	-0.5	11.8	11.2
323/ 32300	Pembuatan barangan sukan	12.5	4.8	-20.9	11.5	13.1	6.3	-4.0	18.2	13.7	-15.9
324/ 32400	Pembuatan permainan dan mainan	-8.7	26.5	-26.2	-3.9	4.5	-0.8	-14.5	26.5	17.0	21.4
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-3.6	-14.9	3.4	19.6	-0.4	-4.5	-3.4	15.1	-1.9	-30.4
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-5.2	-15.1	8.7	18.8	2.1	-8.3	-4.4	28.8	1.0	-40.9
	Industri lain	-2.6	-14.8	0.3	20.1	-2.0	-2.3	-2.9	7.8	-3.6	-23.4
Jumlah Pembuatan		-5.3	-2.3	3.3	1.7	-0.9	-5.4	-1.9	7.6	-7.2	1.3

(%)

2024											Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
7.1	10.3	7.6	-0.3	-1.1	3.7	-3.4	9.2	-6.3	9.0	-16.7	Manufacture of optical instruments, photographic equipment, magnetic and optical media
6.9	12.4	7.9	2.1	-10.6	-5.8	-4.0	-1.4	-10.0	4.1	6.1	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
3.3	14.4	19.1	0.9	-9.9	-8.7	-4.4	1.0	-12.2	1.4	5.9	Manufacture of electric motors, generators and transformers
8.2	11.8	4.0	2.6	-10.8	-4.6	-3.8	-2.3	-9.1	5.2	6.1	Manufacture of electricity distribution and control apparatus
13.3	-33.3	12.2	22.4	1.9	-4.0	0.04	-2.3	-11.2	1.1	9.7	Manufacture of batteries and accumulators
1.8	1.0	2.7	1.6	-2.8	-2.2	-3.9	7.1	-12.1	-1.8	6.0	Manufacture of wiring and wiring devices
0.6	2.1	8.7	-28.1	7.8	-9.6	16.1	2.2	-6.2	-4.8	6.2	Manufacture of fibre optic cables
2.2	1.3	1.8	3.9	-2.9	-2.0	-4.7	6.6	-12.9	-1.9	6.0	Manufacture of other electronic and electric wires and cables
-2.3	-4.1	12.0	-3.2	-7.4	-0.9	-5.0	19.9	-5.9	0.8	5.2	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
-0.5	20.6	7.2	-1.2	-7.0	-0.7	-8.6	12.9	-7.7	-4.0	-1.5	Manufacture of electric lighting equipment
4.8	-1.8	17.7	-9.2	-10.7	-3.5	-1.8	10.5	-0.5	6.6	-0.3	Manufacture of domestic appliances
2.8	-0.4	2.1	5.4	-8.6	-1.4	-4.0	-2.7	-15.8	5.8	-7.6	Manufacture of other electrical equipment
-2.0	-12.3	7.4	2.7	2.7	9.1	0.04	-7.1	-6.0	1.0	12.0	Manufacture of general-purpose and special-purpose machinery
4.6	-16.6	11.7	46.7	-0.4	10.9	-7.4	-17.7	-8.7	-19.5	11.8	Manufacture of fluid power equipment
1.5	-10.1	4.2	2.3	1.0	15.8	3.1	-8.4	-4.9	3.9	11.5	Manufacture of other pumps, compressors, taps and valves
-18.4	-23.6	18.2	-4.2	7.8	13.8	6.6	-3.4	-5.9	-0.2	15.8	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
8.1	-9.4	-17.4	28.2	1.9	-1.5	0.2	-13.4	-11.9	10.5	21.6	Manufacture of metal-forming machinery and machine tools
1.7	-7.8	17.5	-9.9	2.3	7.0	-4.9	-2.9	-3.6	-0.9	5.0	Manufacture of air-conditioning machines, including for motor vehicles
-9.7	17.7	-7.3	13.2	19.7	16.6	-5.5	1.5	-17.5	-4.4	-6.2	Manufacture of other special-purpose machinery n.e.c.
-18.8	10.5	-2.5	-1.5	21.7	5.0	-8.6	-29.6	-12.4	27.9	-11.1	Other industry
-4.6	9.3	1.2	-8.2	-3.1	13.7	-6.2	4.4	-3.4	-4.1	1.0	Manufacture of motor vehicles
-3.8	-17.4	0.6	24.8	26.2	-18.1	-1.4	-1.6	2.9	24.0	8.3	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
1.9	0.6	1.1	0.8	7.6	18.0	-9.2	-3.5	-10.6	11.1	-5.7	Manufacture of parts and accessories for motor vehicles
10.7	6.6	-3.8	1.3	-1.2	14.2	0.1	8.3	-14.4	-0.4	-0.1	Building of ships and boats
-4.1	-13.6	2.3	-3.7	11.9	7.0	-6.5	5.9	-17.6	17.8	-3.5	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
0.4	4.4	3.5	2.4	10.8	24.3	-14.3	-13.2	-4.9	15.4	-9.4	Manufacture of motorcycles
-26.1	6.4	5.2	19.7	11.9	8.6	0.7	5.1	-7.9	13.8	-19.0	Manufacture of bicycles and invalid carriages
-21.9	8.0	10.7	11.1	9.3	12.8	-1.1	6.8	-3.1	17.4	-23.1	Other industry
-29.8	4.8	-0.4	29.4	14.4	4.7	2.4	3.4	-12.7	9.9	-14.1	Manufacture of furniture
-6.3	-24.6	5.9	29.3	-11.8	12.8	-2.6	6.8	-14.0	6.0	19.9	Manufacture of wooden and cane furniture
-10.9	7.8	5.1	-2.4	-8.9	-4.3	-1.3	-2.2	0.3	-2.5	11.3	Other industry
-5.0	2.0	7.6	-11.8	-1.4	-7.0	6.9	1.2	-6.5	10.3	10.4	Manufacture of jewellery, bijouterie and related articles
-12.5	9.6	4.4	0.4	-10.8	-3.5	-3.6	-3.3	2.6	-6.2	11.6	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-19.8	6.3	-15.9	11.1	7.5	1.1	5.9	11.6	-7.9	8.5	14.5	Manufacture of stationery
-40.4	-9.0	10.0	8.4	0.04	-14.4	-7.0	6.4	0.5	26.0	7.8	Other industry
1.0	0.03	10.4	28.8	-3.6	7.6	-7.0	-1.7	-3.8	20.0	-3.5	Manufacture of sports goods
-0.9	3.8	21.0	39.0	-9.8	7.0	-8.7	-2.5	-1.3	29.8	1.2	Manufacture of games and toys
2.0	-1.8	4.8	22.5	0.7	7.9	-5.9	-1.3	-5.3	14.0	-6.8	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
0.4	-2.4	5.7	3.7	-0.7	-1.1	-3.3	1.9	-4.3	8.4	-3.3	Repair and maintenance of transport equipment except motorcycles and bicycles
											Other industry
0.4	-2.4	5.7	3.7	-0.7	-1.1	-3.3	1.9	-4.3	8.4	-3.3	Total Manufacturing

Jadual
Table

1.5a

: Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
: Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
101	Pemprosesan dan pengawetan daging	13,600	14,664	13,849	14,305
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	16,751	17,342	17,382	17,330
	10201 Pengetinan ikan, krustasea dan moluska				
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	14,170	14,485	14,711	14,566
	Industri lain	2,581	2,857	2,671	2,764
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	9,962	10,127	10,536	10,835
	10303 Pengetinan nanas				
	10304 Pembuatan jem, marmalad dan sajian jeli	620	570	568	560
	Industri lain	9,342	9,557	9,967	10,275
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	84,266	89,888	85,462	85,734
	10404 Pembuatan minyak sayuran mentah dan bertapis	4,052	4,477	4,124	4,141
	10406 Pembuatan sebatian lemak masakan				
	10405 Pembuatan minyak kelapa	2,542	2,631	2,558	2,558
	Industri lain	77,672	82,779	78,780	79,035
105	Pembuatan produk tenusu	13,321	13,874	13,366	13,280
	10502 Pembuatan susu pekat, tepung dan sejat	9,674	9,858	9,678	9,560
	Industri lain	3,648	4,017	3,689	3,719
106	Pembuatan produk bijian, kanji dan produk	11,197	11,538	11,341	11,257
	10611 Pengilangan beras	5,307	5,400	5,421	5,301
	10613 Pengilangan tepung	4,921	5,223	5,010	5,044
	Industri lain	969	915	910	912
107	Pembuatan produk makanan lain	130,228	141,851	132,812	133,853
	10711 Pembuatan biskut dan cookies	14,486	14,889	14,747	14,600
	10712 Pembuatan roti, kek dan produk bakeri lain	31,304	33,814	31,832	32,231
	10713 Pembuatan produk snek	8,846	9,620	8,858	8,961
	10721 Pembuatan gula	1,744	1,836	1,760	1,783
	10731 Pembuatan produk koko	2,563	2,644	2,523	2,614
	10732 Pembuatan coklat dan produk coklat				
	&	7,861	8,634	7,925	7,955
	10733 Pembuatan konfeksi gula				
	10793 Pembuatan sos dan bahan perasa	11,546	13,437	11,881	11,908
	10799 Pembuatan produk makanan lain t.t.t.l.	15,127	18,153	15,474	16,158
	Industri lain	36,752	38,825	37,813	37,642
108/ 10800	Pembuatan makanan haiwan tersedia	15,573	13,666	15,606	15,188
110	Pembuatan minuman ringan	16,373	16,805	16,770	16,865
	11041 Pembuatan minuman ringan	10,622	10,717	10,744	10,847
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	3,923	4,111	4,197	4,172
	Industri lain	1,828	1,976	1,829	1,846
120/ 12000	Pembuatan produk tembakau	1,232	1,259	1,448	1,254
131	Pemintalan, penenunan dan penyiapan tekstil	13,055	13,207	13,274	13,204
	13110 Penyediaan dan pemintalan gentian tekstil				
	&	8,882	9,168	9,093	9,029
	13120 Penenunan tekstil				
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3,762	3,592	3,690	3,701
	Industri lain	412	447	491	474
139	Pembuatan tekstil lain	14,816	15,096	14,841	15,173
	13910 Pembuatan fabrik dikait dan dikrusye	5,792	5,531	5,619	5,657
	Industri lain	9,024	9,564	9,222	9,515
141	Pembuatan pakaian, kecuali pakaian berbulu	42,584	43,688	42,881	42,985
	14102 Pembuatan pakaian	31,056	31,863	31,236	31,154
	Industri lain	11,528	11,825	11,645	11,831
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,007	1,093	1,089	1,086
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,843	5,808	6,032	5,746
152	Pembuatan kasut	6,717	7,071	6,979	7,072
	15201 Pembuatan kasut kulit				
	&	3,748	3,719	3,760	3,667
	15203 Pembuatan kasut getah				
	Industri lain	2,969	3,352	3,219	3,405
161/ 16100	Pengilangan dan pengetaman kayu	25,101	24,448	25,234	24,629

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)	
14,857	14,664	14,966	14,325	14,891	Processing and preserving of meat
17,416	17,342	17,616	17,297	17,849	Processing and preserving of fish, crustaceans and molluscs
					Canning of fish, crustaceans and molluscs
14,554	14,485	14,642	14,606	14,851	Processing, curing and preserving of fish, crustacean and molluscs
2,862	2,857	2,974	2,692	2,998	Other industry
10,474	10,127	10,789	10,589	10,740	Processing and preserving of fruits and vegetable
					Pineapple canning
570	570	583	566	587	Manufacture of jams, marmalades and table jellies
9,904	9,557	10,206	10,023	10,152	Other industry
89,500	89,888	89,298	84,987	89,531	Manufacture of vegetable and animal oils and fats
					Manufacture of crude and refined vegetable oil
4,465	4,477	4,604	4,100	4,690	Manufacture of compound cooking fats
2,633	2,631	2,669	2,555	2,669	Manufacture of coconut oil
82,401	82,779	82,025	78,332	82,172	Other industry
13,759	13,874	14,144	13,435	14,160	Manufacture of dairy products
9,830	9,858	10,197	9,831	10,182	Manufacture of condensed, powdered and evaporated milk
3,928	4,017	3,947	3,604	3,978	Other industry
11,509	11,538	11,325	11,227	11,255	Manufacture of grain mill products, starches and starch products
5,390	5,400	5,438	5,322	5,395	Rice milling
5,202	5,223	4,992	4,993	4,977	Flour milling
917	915	895	912	882	Other industry
140,391	141,851	142,155	134,023	143,154	Manufacture of other food products
14,836	14,889	14,430	14,673	14,408	Manufacture of biscuits and cookies
33,443	33,814	33,618	32,306	34,687	Manufacture of bread, cakes and other bakery products
9,202	9,620	9,581	8,899	9,574	Manufacture of snack products
1,878	1,836	1,829	1,770	1,825	Manufacture of sugar
2,636	2,644	2,569	2,519	2,530	Manufacture of cocoa products
					Manufacture of chocolate and chocolate products
8,566	8,634	8,682	7,988	8,613	Manufacture of sugar confectionery
12,698	13,437	13,873	11,931	13,897	Manufacture of sauces and condiments
18,537	18,153	18,596	16,201	18,544	Manufacture of other food products n.e.c.
38,595	38,825	38,979	37,736	39,074	Other industry
14,266	13,666	13,947	15,128	13,963	Manufacture of prepared animal feeds
16,602	16,805	17,129	16,843	17,275	Manufacture of beverages
10,607	10,717	10,884	10,810	10,989	Manufacture of soft drinks
4,104	4,111	4,247	4,197	4,260	Production of natural mineral waters and other bottled waters
1,890	1,976	1,998	1,836	2,026	Other industry
1,271	1,259	1,331	1,274	1,256	Manufacture of tobacco products
13,419	13,207	13,470	13,214	13,587	Spinning, weaving and finishing of textiles
					Preparation and spinning of textile fibres
9,316	9,168	9,433	9,073	9,591	Weaving of textiles
3,610	3,592	3,568	3,676	3,527	Dyeing, bleaching, printing and finishing of yarns and fabrics
493	447	469	465	469	Other industry
15,177	15,096	14,854	15,015	14,866	Manufacture of other textiles
5,593	5,531	5,407	5,694	5,422	Manufacture of knitted and crocheted fabrics
9,584	9,564	9,447	9,321	9,444	Other industry
42,139	43,688	44,375	42,964	44,187	Manufacture of wearing apparel, except fur apparel
30,424	31,863	32,580	31,164	32,374	Manufacture of clothings
11,715	11,825	11,795	11,799	11,813	Other industry
1,114	1,093	1,099	1,089	1,126	Manufacture of articles of fur, knitted and crocheted apparel
5,903	5,808	5,680	5,858	5,665	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
7,012	7,071	7,209	6,959	7,186	Manufacture of footwear
					Manufacture of leather footwear
3,659	3,719	3,731	3,692	3,687	Manufacture of rubber footwear
3,353	3,352	3,478	3,268	3,499	Other industry
24,640	24,448	24,271	24,749	24,315	Sawmilling and planning of wood

Jadual
Table **1.5a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan (samb.)
: Number of Paid Employees of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023					
		Jan.	Feb.	Mac	Apr.	Mei	Jun
101	Pemprosesan dan pengawetan daging	14,001	13,965	13,849	14,325	14,357	14,305
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	17,041	17,485	17,382	17,297	17,338	17,330
	10201 & 10202 Pengetinan ikan, krustasea dan moluska	14,410	14,801	14,711	14,606	14,646	14,566
	Industri lain	2,632	2,684	2,671	2,692	2,692	2,764
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10,313	10,554	10,536	10,589	10,882	10,835
	10303 & 10304 Pengetinan nanas	565	567	568	566	569	560
	Industri lain	9,748	9,987	9,967	10,023	10,313	10,275
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	84,824	85,592	85,462	84,987	85,282	85,734
	10404 & 10406 Pembuatan minyak sayuran mentah dan bertapis	4,089	4,096	4,124	4,100	4,118	4,141
	10405 Pembuatan minyak kelapa	2,549	2,549	2,558	2,555	2,558	2,558
	Industri lain	78,185	78,947	78,780	78,332	78,606	79,035
105	Pembuatan produk tenusu	13,386	13,363	13,366	13,435	13,253	13,280
	10502 Pembuatan susu pekat, tepung dan sejat	9,714	9,694	9,678	9,831	9,576	9,560
	Industri lain	3,672	3,668	3,689	3,604	3,677	3,719
106	Pembuatan produk bijian, kanji dan produk	11,251	11,421	11,341	11,227	11,285	11,257
	10611 Pengilangan beras	5,356	5,458	5,421	5,322	5,352	5,301
	10613 Pengilangan tepung	4,924	5,037	5,010	4,993	5,015	5,044
	Industri lain	972	927	910	912	918	912
107	Pembuatan produk makanan lain	132,511	133,336	132,812	134,023	134,287	133,853
	10711 Pembuatan biskut dan cookies	14,820	15,050	14,747	14,673	14,652	14,600
	10712 Pembuatan roti, kek dan produk bakeri lain	31,580	31,680	31,832	32,306	32,179	32,231
	10713 Pembuatan produk snek	8,864	8,896	8,858	8,899	8,970	8,961
	10721 Pembuatan gula	1,747	1,747	1,760	1,770	1,790	1,783
	10731 Pembuatan produk koko	2,566	2,593	2,523	2,519	2,593	2,614
	10732 Pembuatan coklat dan produk coklat						
	& 10733 Pembuatan konfeksi gula	8,120	7,963	7,925	7,988	7,978	7,955
	10793 Pembuatan sos dan bahan perasa	11,777	11,786	11,881	11,931	11,855	11,908
	10799 Pembuatan produk makanan lain t.t.t.l.	15,627	15,531	15,474	16,201	16,417	16,158
	Industri lain	37,410	38,091	37,813	37,736	37,854	37,642
108/ 10800	Pembuatan makanan haiwan tersedia	15,602	15,668	15,606	15,128	15,134	15,188
110	Pembuatan minuman ringan	16,583	16,717	16,770	16,843	16,874	16,865
	11041 Pembuatan minuman ringan	10,617	10,714	10,744	10,810	10,823	10,847
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	4,142	4,144	4,197	4,197	4,209	4,172
	Industri lain	1,825	1,858	1,829	1,836	1,842	1,846
120/ 12000	Pembuatan produk tembakau	1,296	1,443	1,448	1,274	1,266	1,254
131	Pemintalan, penenunan dan penyiapan tekstil	13,197	13,098	13,274	13,214	13,354	13,204
	13110 & 13120 Penyediaan dan pemintalan gentian tekstil	8,987	8,901	9,093	9,073	9,103	9,029
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3,752	3,721	3,690	3,676	3,761	3,701
	Industri lain	458	476	491	465	489	474
139	Pembuatan tekstil lain	14,898	14,756	14,841	15,015	15,205	15,173
	13910 Pembuatan fabrik dikait dan dikrusye	5,774	5,757	5,619	5,694	5,697	5,657
	Industri lain	9,123	8,998	9,222	9,321	9,508	9,515
141	Pembuatan pakaian, kecuali pakaian berbulu	42,847	42,795	42,881	42,964	43,166	42,985
	14102 Pembuatan pakaian	31,403	31,127	31,236	31,164	31,366	31,154
	Industri lain	11,444	11,668	11,645	11,799	11,800	11,831
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,032	1,068	1,089	1,089	1,093	1,086
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,939	6,023	6,032	5,858	5,873	5,746
152	Pembuatan kasut	6,924	7,091	6,979	6,959	7,039	7,072
	15201 & 15203 Pembuatan kasut kulit	3,896	3,840	3,760	3,692	3,665	3,667
	Industri lain	3,028	3,250	3,219	3,268	3,374	3,405
161/ 16100	Pengilangan dan pengetaman kayu	25,720	25,710	25,234	24,749	25,144	24,629

2024										Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
14,080	14,139	14,857	14,918	14,906	14,664	14,832	14,925	14,966	14,891	Processing and preserving of meat
17,410	17,136	17,416	17,348	17,206	17,342	17,808	17,743	17,616	17,849	Processing and preserving of fish, crustaceans and molluscs
14,788	14,313	14,554	14,570	14,351	14,485	14,874	14,747	14,642	14,851	Canning of fish, crustaceans and molluscs
2,622	2,823	2,862	2,778	2,855	2,857	2,934	2,996	2,974	2,998	Processing, curing and preserving of fish, crustacean and molluscs
10,731	10,224	10,474	10,474	10,303	10,127	10,503	10,712	10,789	10,740	Other industry
578	564	570	572	567	570	546	601	583	587	Processing and preserving of fruits and vegetable
10,153	9,660	9,904	9,902	9,736	9,557	9,957	10,112	10,206	10,152	Pineapple canning
86,716	87,316	89,500	89,940	89,900	89,888	89,773	89,390	89,298	89,531	Manufacture of jams, marmalades and table jellies
4,163	4,424	4,465	4,480	4,474	4,477	4,426	4,588	4,604	4,690	Other industry
2,542	2,582	2,633	2,633	2,623	2,631	2,669	2,673	2,669	2,669	Manufacture of vegetable and animal oils and
80,011	80,310	82,401	82,827	82,804	82,779	82,678	82,129	82,025	82,172	Manufacture of crude and refined vegetable oil
13,366	13,533	13,759	13,774	13,853	13,874	14,023	13,937	14,144	14,160	Manufacture of compound cooking fats
9,638	9,744	9,830	9,797	9,824	9,858	10,060	9,972	10,197	10,182	Manufacture of coconut oil
3,728	3,788	3,928	3,976	4,029	4,017	3,962	3,964	3,947	3,978	Manufacture of condensed, powdered and
11,238	11,025	11,509	11,502	11,541	11,538	11,615	11,351	11,325	11,255	Other industry
5,279	5,123	5,390	5,392	5,435	5,400	5,492	5,517	5,438	5,395	Manufacture of dairy products
5,033	5,007	5,202	5,207	5,193	5,223	5,226	4,940	4,992	4,977	Manufacture of grain mill products, starches
926	895	917	903	912	915	897	893	895	882	Rice milling
135,228	138,077	140,391	141,712	141,605	141,851	143,476	142,916	142,155	143,154	Flour milling
14,639	14,711	14,836	14,783	14,847	14,889	14,944	14,786	14,430	14,408	Other industry
33,322	32,948	33,443	33,837	33,795	33,814	34,029	34,078	33,618	34,687	Manufacture of other food products
8,856	9,083	9,202	9,270	9,453	9,620	9,784	9,626	9,581	9,574	Manufacture of biscuits and cookies
1,785	1,862	1,878	1,885	1,838	1,836	1,839	1,843	1,829	1,825	Manufacture of bread, cakes and other bakery
2,617	2,602	2,636	2,658	2,649	2,644	2,653	2,647	2,569	2,530	Manufacture of snack products
8,087	8,511	8,566	8,641	8,711	8,634	8,761	8,708	8,682	8,613	Manufacture of sugar
11,819	12,519	12,698	12,810	13,505	13,437	13,754	13,723	13,873	13,897	Manufacture of sugar
16,501	17,951	18,537	18,923	17,994	18,153	18,611	18,669	18,596	18,544	Manufacture of chocolate and chocolate products
37,603	37,889	38,595	38,905	38,813	38,825	39,100	38,836	38,979	39,074	Manufacture of sugar confectionery
15,039	14,475	14,266	14,143	14,284	13,666	13,905	13,915	13,947	13,963	Manufacture of sauces and condiments
16,952	16,539	16,602	16,689	16,622	16,805	17,041	17,045	17,129	17,275	Manufacture of other food products n.e.c.
10,907	10,568	10,607	10,643	10,633	10,717	10,808	10,787	10,884	10,989	Other industry
4,190	4,096	4,104	4,145	4,097	4,111	4,259	4,262	4,247	4,260	Manufacture of prepared animal feeds
1,856	1,875	1,890	1,901	1,892	1,976	1,974	1,996	1,998	2,026	Manufacture of beverages
1,227	1,167	1,271	1,272	1,264	1,259	1,272	1,320	1,331	1,256	Manufacture of soft drinks
13,025	13,376	13,419	13,371	13,309	13,207	13,152	13,122	13,470	13,587	Production of natural mineral waters and other bottled waters
9,075	9,310	9,316	9,269	9,264	9,168	9,112	9,092	9,433	9,591	Other industry
3,485	3,580	3,610	3,618	3,602	3,592	3,588	3,577	3,568	3,527	Manufacture of tobacco products
465	486	493	484	443	447	453	453	469	469	Manufacture of textiles
15,115	15,173	15,177	15,148	15,124	15,096	15,312	14,871	14,854	14,866	Dyeing, bleaching, printing and finishing of yarns and fabrics
5,604	5,636	5,593	5,585	5,576	5,531	5,594	5,391	5,407	5,422	Other industry
9,511	9,537	9,584	9,563	9,548	9,564	9,717	9,480	9,447	9,444	Other industry
42,441	41,773	42,139	41,735	43,481	43,688	44,103	44,189	44,375	44,187	Manufacture of wearing apparel, except fur
30,709	30,120	30,424	30,239	31,657	31,863	32,271	32,361	32,580	32,374	Manufacture of clothings
11,732	11,654	11,715	11,496	11,824	11,825	11,831	11,828	11,795	11,813	Other industry
1,080	1,107	1,114	1,042	1,102	1,093	1,100	1,098	1,099	1,126	Manufacture of articles of fur, knitted and crocheted apparel
5,673	5,750	5,903	5,935	5,891	5,808	5,772	5,751	5,680	5,665	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
7,031	6,915	7,012	7,137	7,099	7,071	7,181	7,270	7,209	7,186	Manufacture of footwear
3,646	3,644	3,659	3,720	3,733	3,719	3,827	3,802	3,731	3,687	Manufacture of leather footwear
3,386	3,271	3,353	3,417	3,365	3,352	3,354	3,467	3,478	3,499	Manufacture of rubber footwear
24,377	24,802	24,640	24,792	24,924	24,448	24,204	23,918	24,271	24,315	Other industry
										Sawmilling and planning of wood

Jadual **1.5a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
Table : Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	68,943	69,802	67,728	68,036
16211	Pembuatan kepingan venier dan papan lapis	38,426	39,618	37,446	37,646
16212	Pembuatan papan partikel dan papan gentian	6,419	6,961	6,345	6,563
16221	Pertukangan kayu untuk jurubina	10,830	9,650	10,642	10,645
	Industri lain	13,268	13,573	13,295	13,181
170	Pembuatan kertas dan produk kertas	58,658	59,265	59,308	57,626
17010	Pembuatan pulpa, kertas dan kertas tebal	9,259	9,041	9,332	8,473
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	23,850	23,505	23,877	23,353
17091	Pembuatan sampul surat dan kad surat	1,692	1,762	1,789	1,769
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,818	11,370	10,723	10,515
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,480	7,480	7,837	7,792
	Industri lain	5,559	6,107	5,749	5,724
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	70,120	71,281	70,319	68,955
18110	Percetakan	57,286	58,603	57,476	56,770
18120	Aktiviti perkhidmatan berkaitan percetakan				
&		12,834	12,678	12,843	12,185
18200	Penerbitan semula media rakaman				
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	17,817	18,473	18,486	18,149
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	47,560	47,699	49,475	48,507
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5,802	6,330	6,315	6,155
20112	Pembuatan kimia organik asas				
&		19,633	19,255	20,155	19,696
20113	Pembuatan sebatian bukan organik				
20121	Pembuatan baja	7,649	7,201	8,353	7,982
&					
20129	Pembuatan produk campuran nitrogen	11,413	11,649	11,428	11,453
20131	Pembuatan plastik dalam bentuk primer	3,063	3,264	3,226	3,221
	Industri lain				
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	57,336	55,846	58,105	55,785
20210	Pembuatan racun perosak dan produk agrokimia lain	4,030	4,587	4,262	4,151
20221	Pembuatan cat, varnis dan penyadur dan mastik	9,451	9,587	9,966	9,644
20222	Pembuatan dakwat cetak	5,659	5,924	5,967	5,983
20231	Pembuatan sabun dan bahan pencuci, penyediaan				
&	membersih dan mengilat	21,711	20,041	21,322	19,568
20232	Pembuatan pewangi dan penyediaan dandanan diri				
20291	Pembuatan plat fotografi, filem, sensitized paper dan other				
&	sensitized unexposed materials				
20292	Pembuatan dakwat menulis dan melukis	16,082	15,435	16,137	16,006
&					
20299	Pembuatan produk kimia lain t.t.t.l.				
	Industri lain	402	273	451	433
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	27,325	27,967	26,901	27,916
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	19,310	19,519	18,765	19,668
	Industri lain	8,015	8,448	8,136	8,249
221	Pembuatan produk getah	122,297	117,399	121,509	114,969
22111	Pembuatan tayar getah untuk kenderaan	6,618	6,790	6,740	7,052
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,289	2,564	2,340	2,279
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak				
&	divulkan, divulkan atau dikeraskan	17,767	18,551	18,775	19,192
22193	Pengilangan semula getah dan prosesan susu getah				
2024	22192 Pembuatan sarung tangan getah	62,537	56,913	60,077	55,214
	22199 Pembuatan produk getah lain yang t.t.t.l.	33,087	32,581	33,577	31,231
222	Pembuatan produk plastik	159,013	164,184	159,633	161,005
22201	Pembuatan produk plastik separa siap				
&		37,664	38,248	37,301	38,558
22202	Pembuatan produk plastik siap				
22203	Pembuatan artikel plastik untuk pembungkusan barangan	50,397	53,304	50,812	51,215
22204	Pembuatan barangan plastik jurubina	3,656	3,666	3,699	3,690
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	14,177	14,272	14,782	14,642
22209	Pembuatan pelbagai produk plastik t.t.t.l.	53,120	54,694	53,040	52,901
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	20,948	20,742	21,026	21,133

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)	
68,637	69,802	67,760	67,540	68,578	Manufacture of products of wood, cork, straw and plaiting materials
38,723	39,618	37,829	37,071	38,048	Manufacture of veneer sheets and plywood
7,116	6,961	7,008	6,261	7,012	Manufacture of particle board and fibreboard
9,651	9,650	9,627	10,772	9,597	Manufacture of builders' carpentry
13,146	13,573	13,296	13,435	13,921	Other industry
58,587	59,265	59,848	58,624	59,082	Manufacture of paper and paper products
8,582	9,041	9,297	9,352	9,276	Manufacture of pulp, paper and paperboard
23,416	23,505	23,403	23,294	22,775	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,777	1,762	1,715	1,760	1,686	Manufacture of envelopes and letter-card
11,368	11,370	11,361	10,671	11,332	Manufacture of household and personal hygiene paper
7,465	7,480	7,856	7,850	7,875	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,979	6,107	6,215	5,696	6,137	Other industry
68,928	71,281	68,381	69,596	67,899	Printing, service activities related to printing and reproduction of recorded media
56,789	58,603	56,011	57,255	55,475	Printing
12,139	12,678	12,370	12,341	12,423	Service activities related to printing
					Reproduction of recorded media
18,199	18,473	18,821	18,239	18,538	Manufacture of refined petroleum products
47,094	47,699	49,133	47,928	49,523	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
6,192	6,330	6,818	5,952	6,829	Manufacture of liquefied or compressed inorganic industrial or medical gases
					Manufacture of basic organic chemicals
19,050	19,255	19,676	19,439	19,831	Manufacture of inorganic compounds
					Manufacture of fertilizers
7,227	7,201	7,397	7,938	7,569	Manufacture of associated nitrogen products
11,411	11,649	11,866	11,404	11,907	Manufacture of plastics in primary forms
3,215	3,264	3,377	3,194	3,388	Other industry
55,364	55,846	56,350	56,863	55,798	Manufacture of other chemical products and man-made fibres
4,419	4,587	4,643	4,214	4,672	Manufacture of pesticides and other agrochemical products
9,412	9,587	10,133	9,650	9,749	Manufacture of paints, varnishes and similar coatings ink and mastics
5,883	5,924	6,068	5,971	6,110	Manufacture of printing ink
19,767	20,041	19,883	20,555	19,773	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
15,588	15,435	15,334	16,027	15,211	Manufacture of writing and drawing ink
					Manufacture of other chemical products n.e.c.
295	273	288	447	282	Other industry
29,297	27,967	27,334	28,360	28,522	Manufacture of pharmaceuticals, medicinal chemical and botanical products
20,535	19,519	18,758	20,391	19,871	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
8,762	8,448	8,576	7,969	8,652	Other industry
118,329	117,399	115,414	120,578	114,288	Manufacture of rubber products
6,731	6,790	6,761	7,232	6,860	Manufacture of rubber tyres for vehicles
2,427	2,564	2,566	2,330	2,554	Manufacture of interchangeable tyre treads and retreading rubber tyres
18,619	18,551	18,997	19,171	19,216	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
					Rubber remilling and latex processing
57,500	56,913	54,956	58,520	53,407	Manufacture of rubber gloves
33,052	32,581	32,134	33,325	32,251	Manufacture of other rubber products n.e.c.
163,072	164,184	163,740	161,351	166,306	Manufacture of plastics products
38,510	38,248	37,765	38,878	39,064	Manufacture of semi-manufactures of plastic products
					Manufacture of finished plastic products
53,151	53,304	53,214	51,237	53,721	Manufacture of plastic articles for the packing of goods
3,708	3,666	3,699	3,680	3,744	Manufacture of builders' plastics ware
14,638	14,272	14,756	14,621	14,733	Manufacture of plastic tableware, kitchenware and toilet articles
53,066	54,694	54,306	52,935	55,045	Manufacture of diverse plastic products n.e.c.
21,102	20,742	21,080	21,032	21,294	Manufacture of glass and glass products

Jadual **1.5a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Number of Paid Employees of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023					
		Jan.	Feb.	Mac	Apr.	Mei	Jun
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	68,848	69,504	67,728	67,540	68,991	68,036
16211	Pembuatan kepingan venier dan papan lapis	38,035	38,412	37,446	37,071	38,304	37,646
16212	Pembuatan papan partikel dan papan gentian	6,275	6,387	6,345	6,261	6,553	6,563
16221	Pertukangan kayu untuk jurubina	10,966	11,134	10,642	10,772	10,752	10,645
	Industri lain	13,572	13,571	13,295	13,435	13,383	13,181
170	Pembuatan kertas dan produk kertas	58,843	59,436	59,308	58,624	57,792	57,626
17010	Pembuatan pulpa, kertas dan kertas tebal	9,269	9,407	9,332	9,352	8,476	8,473
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	23,728	23,899	23,877	23,294	23,345	23,353
17091	Pembuatan sampul surat dan kad surat	1,745	1,798	1,789	1,760	1,785	1,769
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,909	10,821	10,723	10,671	10,669	10,515
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,507	7,821	7,837	7,850	7,795	7,792
	Industri lain	5,686	5,691	5,749	5,696	5,722	5,724
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	70,262	69,878	70,319	69,596	70,361	68,955
18110	Percetakan	57,387	56,975	57,476	57,255	58,072	56,770
18120 &	Aktiviti perkhidmatan berkaitan percetakan	12,875	12,904	12,843	12,341	12,289	12,185
18200	Penerbitan semula media rakaman						
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	17,783	17,989	18,486	18,239	18,209	18,149
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	48,311	48,844	49,475	47,928	48,292	48,507
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5,975	5,984	6,315	5,952	6,194	6,155
20112 &	Pembuatan kimia organik asas	19,708	19,928	20,155	19,439	19,501	19,696
20113	Pembuatan sebatian bukan organik						
20121 &	Pembuatan baja	7,916	8,244	8,353	7,938	7,973	7,982
20129	Pembuatan produk campuran nitrogen	11,569	11,465	11,428	11,404	11,384	11,453
20131	Pembuatan plastik dalam bentuk primer	3,145	3,224	3,226	3,194	3,240	3,221
	Industri lain						
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	57,338	57,121	58,105	56,863	56,332	55,785
20210	Pembuatan racun perosak dan produk agrokimia lain	4,115	4,189	4,262	4,214	4,231	4,151
20221	Pembuatan cat, varnis dan penyadur dan mastik	9,842	9,396	9,966	9,650	9,670	9,644
20222	Pembuatan dakwat cetak	5,739	5,736	5,967	5,971	5,975	5,983
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	21,059	21,265	21,322	20,555	19,912	19,568
20232	Pembuatan pewangi dan penyediaan dandanan diri						
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	16,188	16,102	16,137	16,027	16,098	16,006
20292 &	Pembuatan dakwat menulis dan melukis						
20299	Pembuatan produk kimia lain t.t.t.l.	395	434	451	447	446	433
	Industri lain						
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	26,805	26,916	26,901	28,360	28,019	27,916
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	18,672	18,728	18,765	20,391	19,831	19,668
	Industri lain	8,133	8,188	8,136	7,969	8,188	8,249
221	Pembuatan produk getah	120,492	120,806	121,509	120,578	118,693	114,969
22111	Pembuatan tayar getah untuk kenderaan	6,645	6,712	6,740	7,232	7,218	7,052
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,296	2,357	2,340	2,330	2,310	2,279
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	18,150	18,698	18,775	19,171	19,237	19,192
22193	Pengilangan semula getah dan prosesan susu getah						
22192	Pembuatan sarung tangan getah	59,760	59,343	60,077	58,520	57,283	55,214
22199	Pembuatan produk getah lain yang t.t.t.l.	33,641	33,697	33,577	33,325	32,645	31,231
222	Pembuatan produk plastik	159,500	159,940	159,633	161,351	161,657	161,005
22201 &	Pembuatan produk plastik separa siap	37,595	37,674	37,301	38,878	39,037	38,558
22202	Pembuatan produk plastik siap						
22203	Pembuatan artikel plastik untuk pembungkusan barangan	50,487	51,005	50,812	51,237	51,260	51,215
22204	Pembuatan barangan plastik jurubina	3,703	3,713	3,699	3,680	3,701	3,690
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	14,472	14,668	14,782	14,621	14,704	14,642
22209	Pembuatan pelbagai produk plastik t.t.t.l.	53,244	52,879	53,040	52,935	52,954	52,901
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	21,005	21,062	21,026	21,032	21,266	21,133

2024										Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
68,079	68,083	68,637	69,247	70,125	69,802	69,268	69,320	67,760	68,578	Manufacture of products of wood, cork, straw and plaiting materials
38,239	37,873	38,723	39,065	39,812	39,618	38,924	38,998	37,829	38,048	Manufacture of veneer sheets and plywood
6,555	7,458	7,116	7,092	7,005	6,961	6,921	7,077	7,008	7,012	Manufacture of particle board and fibreboard
10,417	9,814	9,651	9,703	9,701	9,650	9,739	9,692	9,627	9,597	Manufacture of builders' carpentry
12,868	12,938	13,146	13,386	13,608	13,573	13,684	13,554	13,296	13,921	Other industry
57,112	57,618	58,587	59,353	59,133	59,265	59,457	59,910	59,848	59,082	Manufacture of paper and paper products
8,462	8,641	8,582	8,701	8,693	9,041	9,333	9,357	9,297	9,276	Manufacture of pulp, paper and paperboard
23,039	22,862	23,416	23,682	23,660	23,505	23,312	23,406	23,403	22,775	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,776	1,766	1,777	1,785	1,782	1,762	1,768	1,768	1,715	1,686	Manufacture of envelopes and letter-card
10,347	11,002	11,368	11,526	11,436	11,370	11,397	11,420	11,361	11,332	Manufacture of household and personal hygiene
7,753	7,519	7,465	7,557	7,496	7,480	7,512	7,832	7,856	7,875	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,735	5,827	5,979	6,103	6,066	6,107	6,134	6,127	6,215	6,137	Other industry
68,890	69,227	68,928	70,157	70,901	71,281	68,570	68,558	68,381	67,899	Printing, service activities related to printing and reproduction of recorded media
56,668	56,882	56,789	57,508	58,314	58,603	56,145	56,099	56,011	55,475	Printing
12,222	12,345	12,139	12,648	12,587	12,678	12,424	12,460	12,370	12,423	Service activities related to printing
										Reproduction of recorded media
18,202	18,349	18,199	18,408	18,453	18,473	18,245	18,511	18,821	18,538	Manufacture of refined petroleum products
46,679	47,278	47,094	47,911	47,892	47,699	48,215	48,536	49,133	49,523	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic
6,137	6,148	6,192	6,316	6,333	6,330	6,531	6,520	6,818	6,829	Manufacture of liquefied or compressed inorganic industrial or medical gases
18,836	19,059	19,050	19,429	19,273	19,255	19,246	19,452	19,676	19,831	Manufacture of basic organic chemicals
										Manufacture of inorganic compounds
										Manufacture of fertilizers
7,379	7,413	7,227	7,293	7,355	7,201	7,363	7,360	7,397	7,569	Manufacture of associated nitrogen products
11,248	11,482	11,411	11,580	11,661	11,649	11,738	11,855	11,866	11,907	Manufacture of plastics in primary forms
3,078	3,176	3,215	3,292	3,271	3,264	3,337	3,350	3,377	3,388	Other industry
56,305	56,092	55,364	55,918	56,239	55,846	55,744	55,915	56,350	55,798	Manufacture of other chemical products and man-made fibres
4,156	4,320	4,419	4,609	4,606	4,587	4,655	4,629	4,643	4,672	Manufacture of pesticides and other agrochemical
9,598	9,563	9,412	9,528	9,557	9,587	9,854	9,874	10,133	9,749	Manufacture of paints, varnishes and similar
6,025	5,962	5,883	5,914	5,932	5,924	5,968	5,957	6,068	6,110	Manufacture of printing ink
20,034	20,119	19,767	19,969	20,058	20,041	19,489	19,756	19,883	19,773	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
16,062	15,805	15,588	15,625	15,812	15,435	15,505	15,419	15,334	15,211	Manufacture of writing and drawing ink
										Manufacture of other chemical products n.e.c.
430	323	295	273	273	273	273	280	288	282	Other industry
28,446	29,157	29,297	29,415	28,071	27,967	27,305	27,303	27,334	28,522	Manufacture of pharmaceuticals, medicinal chemical and botanical products
19,899	20,519	20,535	20,611	19,553	19,519	18,859	18,831	18,758	19,871	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
8,547	8,637	8,762	8,803	8,518	8,448	8,446	8,472	8,576	8,652	Other industry
115,215	117,851	118,329	118,150	117,668	117,399	116,188	115,900	115,414	114,288	Manufacture of rubber products
7,490	6,723	6,731	6,708	6,814	6,790	6,834	6,787	6,761	6,860	Manufacture of rubber tyres for vehicles
2,301	2,360	2,427	2,473	2,665	2,564	2,571	2,581	2,566	2,554	Manufacture of interchangeable tyre treads and retreading rubber tyres
19,928	18,948	18,619	18,505	18,449	18,551	18,842	18,961	18,997	19,216	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
54,281	57,140	57,500	57,279	56,889	56,913	55,205	55,242	54,956	53,407	Rubber remilling and latex processing
31,215	32,679	33,052	33,184	32,851	32,581	32,736	32,329	32,134	32,251	Manufacture of rubber gloves
164,502	162,784	163,072	163,099	164,385	164,184	164,713	164,009	163,740	166,306	Manufacture of other rubber products n.e.c.
38,435	38,464	38,510	38,449	38,259	38,248	38,153	38,275	37,765	39,064	Manufacture of plastics products
										Manufacture of semi-manufactures of plastic products
										Manufacture of finished plastic products
52,383	52,408	53,151	53,247	53,175	53,304	53,552	53,375	53,214	53,721	Manufacture of plastic articles for the packing of goods
3,675	3,665	3,708	3,728	3,676	3,666	3,729	3,699	3,699	3,744	Manufacture of builders' plastics ware
14,102	14,978	14,638	14,344	14,283	14,272	14,657	14,639	14,756	14,733	Manufacture of plastic tableware, kitchenware and toilet articles
55,907	53,269	53,066	53,331	54,992	54,694	54,622	54,021	54,306	55,045	Manufacture of diverse plastic products n.e.c.
20,225	21,028	21,102	20,841	20,784	20,742	20,798	20,939	21,080	21,294	Manufacture of glass and glass products

Jadual
Table

1.5a

: Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
: Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	86,356	88,491	84,597	86,275
23911	Pembuatan mortar refraktori dan konkrit				
&		10,661	9,801	9,930	9,940
23921	Pembuatan seramik bukan refraktori				
23930	Pembuatan produk porselin dan seramik lain	5,248	4,467	4,429	4,517
23941	Pembuatan simen hidrolik	7,303	7,374	7,152	7,117
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	16,685	16,934	15,664	15,793
23952	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;				
&					
23953	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	30,016	31,244	30,811	31,744
&	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.				
23959					
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	8,662	9,737	8,532	8,805
	Industri lain	7,782	8,934	8,081	8,360
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	54,534	57,448	54,032	54,571
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	42,642	40,119	43,283	41,983
243	Pengacuan logam	14,362	14,589	15,271	14,598
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	60,158	60,999	60,572	59,198
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan				
&	pintu pagar daripada logam	40,355	42,207	40,398	39,265
25119	Pembuatan produk struktur logam lain				
25120	Pembuatan tangki, takungan dan kontena daripada logam	11,447	10,497	11,540	11,296
	Industri lain	8,357	8,295	8,633	8,637
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	99,084	104,424	101,196	99,035
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	22,151	22,087	21,696	20,746
25920	Rawatan dan penyalutan logam; menggunakan mesin	12,860	11,612	13,812	13,007
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,655	8,120	7,797	7,547
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	19,365	20,973	19,498	19,500
&					
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya				
25994	Pembuatan barangan rumah daripada logam	3,168	3,615	3,374	3,354
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	23,427	25,279	23,789	23,520
	Industri lain	10,458	12,738	11,228	11,362
261	Pembuatan komponen dan papan elektronik	234,460	238,894	236,008	242,587
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya				
&		127,805	128,999	127,630	130,000
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro				
26103	Pembuatan kapasitor dan perintang elektrik				
&					
26104	Pembuatan papan litar bercetak	92,370	95,182	94,113	97,567
&					
26105	Pembuatan komponen paparan				
26109	Pembuatan komponen lain untuk aplikasi elektronik	14,285	14,712	14,265	15,021
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	69,667	67,464	66,793	66,941
263/ 26300	Pembuatan peralatan komunikasi	26,230	26,319	25,929	26,504
264/ 26400	Pembuatan peralatan elektronik pengguna	35,099	36,292	34,130	34,337
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	31,734	31,691	32,146	32,143
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	24,604	24,642	24,911	25,311
&					
26512	Pembuatan kelengkapan kawalan proses perindustrian				
26520	Pembuatan jam tangan dan jam dan bahagiannya	7,131	7,049	7,236	6,832
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	13,120	12,708	13,055	13,114

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)	
88,467	88,491	84,706	85,017	85,274	Manufacture of non-metallic mineral products n.e.c.
					Manufacture of refractory mortars and concretes
9,890	9,801	9,010	9,889	8,955	Manufacture of non-refractory ceramic
4,532	4,467	4,364	4,384	4,309	Manufacture of other porcelain and ceramic products
7,085	7,374	7,153	7,130	7,155	Manufacture of hydraulic cement
16,840	16,934	16,016	15,652	16,009	Manufacture of ready-mix and dry-mix concrete and mortars
					Manufacture of precast concrete, cement or artificial stone articles for use in construction
31,841	31,244	29,317	31,153	29,871	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
					Manufacture of other articles of concrete, cement and plaster n.e.c.
9,416	9,737	9,690	8,618	9,660	Manufacture of other non-metallic mineral products n.e.c.
8,864	8,934	9,157	8,189	9,314	Other industry
56,411	57,448	57,788	54,039	57,698	Manufacture of basic iron and steel
40,579	40,119	40,203	43,049	40,069	Manufacture of basic precious and other non-ferrous metals
14,907	14,589	15,168	14,889	15,143	Casting of metals
59,930	60,999	61,607	59,650	61,490	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
					Manufacture of metal doors, windows and their frames, shutters and gates
41,170	42,207	42,492	39,796	42,482	Manufacture of other structural metal products
10,565	10,497	10,676	11,227	10,702	Manufacture of tanks, reservoirs and containers of metal
8,194	8,295	8,440	8,626	8,306	Other industry
103,148	104,424	105,871	99,821	105,095	Manufacture of other fabricated metal products; metal working service activities
					Forging, pressing, stamping and roll-forming of metal; powder metallurgy
22,294	22,087	21,514	21,086	21,480	
11,600	11,612	12,241	13,194	11,687	Treatment and coating of metals; machining
8,223	8,120	8,434	7,461	8,367	Manufacture of tins and cans for food products, collapsible tubes and boxes
					Manufacture of metal cable, plaited bands and similar articles
20,294	20,973	21,381	19,600	21,310	Manufacture of bolts, screws, nuts and similar threaded products
3,383	3,615	3,559	3,420	3,525	Manufacture of metal household articles
24,658	25,279	25,516	23,792	25,654	Manufacture of any other fabricated metal products n.e.c.
12,696	12,738	13,226	11,269	13,072	Other industry
242,230	238,894	230,131	240,519	232,987	Manufacture of electronic components and boards
					Manufacture of diodes, transistors and similar semiconductor devices
130,403	128,999	124,881	132,595	126,875	Manufacture of electronic integrated circuits micro assemblies
					Manufacture of electrical capacitors and resistors
96,888	95,182	90,605	93,703	91,549	Manufacture of printed circuit boards
					Manufacture of display components
14,939	14,712	14,644	14,221	14,563	Manufacture of other components for electronic applications
66,748	67,464	67,910	66,430	67,698	Manufacture of computers and peripheral equipment
26,052	26,319	26,073	26,167	26,365	Manufacture of communication equipment
37,718	36,292	35,649	33,564	35,077	Manufacture of consumer electronics
31,578	31,691	32,011	32,093	32,052	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
					Manufacture of measuring, testing, navigating and control equipment
24,547	24,642	24,815	24,945	24,941	Manufacture of industrial process control equipment
7,031	7,049	7,196	7,148	7,111	Manufacture of watches and clocks and parts
12,862	12,708	12,236	12,999	12,194	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual **1.5a** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : Number of Paid Employees of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023					
		Jan.	Feb.	Mac	Apr.	Mei	Jun
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	86,764	84,734	84,597	85,017	85,642	86,275
23911	Pembuatan mortar refraktori dan konkrit						
&							
23921	Pembuatan seramik bukan refraktori	10,126	9,968	9,930	9,889	9,837	9,940
23930	Pembuatan produk porselin dan seramik lain	5,261	4,449	4,429	4,384	4,534	4,517
23941	Pembuatan simen hidraulik	7,410	7,413	7,152	7,130	7,145	7,117
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	16,853	15,890	15,664	15,652	15,833	15,793
23952	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;						
&							
23953	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	30,459	30,305	30,811	31,153	31,352	31,744
&	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.						
23959							
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	8,558	8,621	8,532	8,618	8,764	8,805
	Industri lain	8,097	8,088	8,081	8,189	8,177	8,360
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	54,998	53,259	54,032	54,039	54,449	54,571
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	42,836	43,852	43,283	43,049	42,949	41,983
243	Pengacuan logam	14,866	15,369	15,271	14,889	14,682	14,598
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	59,926	60,142	60,572	59,650	60,307	59,198
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan						
&	pintu pagar daripada logam						
25119	Pembuatan produk struktur logam lain	40,023	40,175	40,398	39,796	40,239	39,265
25120	Pembuatan tangki, takungan dan kontena daripada logam	11,429	11,507	11,540	11,227	11,368	11,296
	Industri lain	8,474	8,460	8,633	8,626	8,700	8,637
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	100,149	101,147	101,196	99,821	99,997	99,035
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	22,317	21,794	21,696	21,086	21,096	20,746
25920	Rawatan dan penyalutan logam; menggunakan mesin	12,990	13,420	13,812	13,194	13,133	13,007
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,925	7,926	7,797	7,461	7,478	7,547
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	19,603	19,804	19,498	19,600	19,649	19,500
&							
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya						
25994	Pembuatan barangan rumah daripada logam	3,224	3,222	3,374	3,420	3,399	3,354
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	23,533	24,024	23,789	23,792	23,865	23,520
	Industri lain	10,557	10,956	11,228	11,269	11,378	11,362
261	Pembuatan komponen dan papan elektronik	232,601	235,331	236,008	240,519	242,132	242,587
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya						
&							
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	125,741	127,188	127,630	132,595	130,700	130,000
26103	Pembuatan kapasitor dan perintang elektrik						
&							
26104	Pembuatan papan litar bercetak	92,577	93,866	94,113	93,703	96,536	97,567
&							
26105	Pembuatan komponen paparan						
26109	Pembuatan komponen lain untuk aplikasi elektronik	14,283	14,277	14,265	14,221	14,897	15,021
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	66,447	66,566	66,793	66,430	67,101	66,941
263/ 26300	Pembuatan peralatan komunikasi	26,067	25,910	25,929	26,167	26,399	26,504
264/ 26400	Pembuatan peralatan elektronik pengguna	34,397	34,161	34,130	33,564	34,215	34,337
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	31,749	32,153	32,146	32,093	32,335	32,143
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	24,687	25,020	24,911	24,945	25,343	25,311
&							
26512	Pembuatan kelengkapan kawalan proses perindustrian						
26520	Pembuatan jam tangan dan jam dan bahagiannya	7,062	7,133	7,236	7,148	6,991	6,832
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	13,142	13,004	13,055	12,999	13,097	13,114

2024										Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
87,570	87,684	88,467	88,180	88,875	88,491	86,363	84,916	84,706	85,274	Manufacture of non-metallic mineral products
										Manufacture of refractory mortars and concretes
9,711	9,972	9,890	9,748	9,811	9,801	9,260	9,087	9,010	8,955	Manufacture of non-refractory ceramic
4,584	4,685	4,532	4,480	4,525	4,467	4,393	4,317	4,364	4,309	Manufacture of other porcelain and ceramic
7,381	7,000	7,085	7,074	7,381	7,374	7,443	7,420	7,153	7,155	Manufacture of hydraulic cement
16,281	16,315	16,840	16,709	17,103	16,934	16,968	15,943	16,016	16,009	Manufacture of ready-mix and dry-mix concrete and mortars
										Manufacture of precast concrete, cement or artificial stone articles for use in construction
31,840	31,738	31,841	31,686	31,422	31,244	29,282	29,152	29,317	29,871	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
9,307	9,146	9,416	9,664	9,737	9,737	9,843	9,826	9,690	9,660	Manufacture of other articles of concrete, cement
8,466	8,828	8,864	8,819	8,897	8,934	9,174	9,171	9,157	9,314	Manufacture of other non-metallic mineral products
										Other industry
54,393	55,204	56,411	57,038	57,281	57,448	57,986	57,243	57,788	57,698	Manufacture of basic iron and steel
42,129	40,837	40,579	40,711	40,093	40,119	40,581	40,307	40,203	40,069	Manufacture of basic precious and other non-ferrous metals
14,579	14,899	14,907	15,056	14,632	14,589	14,965	15,266	15,168	15,143	Casting of metals
59,123	60,012	59,930	59,600	59,598	60,999	61,110	60,874	61,607	61,490	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
										Manufacture of metal doors, windows and their frames, shutters and gates
39,519	41,711	41,170	40,883	40,657	42,207	42,022	41,860	42,492	42,482	Manufacture of other structural metal products
11,205	10,141	10,565	10,450	10,643	10,497	10,690	10,717	10,676	10,702	Manufacture of tanks, reservoirs and containers of metal
8,400	8,159	8,194	8,267	8,299	8,295	8,397	8,297	8,440	8,306	Other industry
99,938	101,819	103,148	103,362	103,038	104,424	105,606	105,475	105,871	105,095	Manufacture of other fabricated metal products; metal working service activities
										Forging, pressing, stamping and roll-forming of metal; powder metallurgy
21,395	22,121	22,294	22,304	22,099	22,087	22,075	21,429	21,514	21,480	Treatment and coating of metals; machining
12,885	11,668	11,600	11,719	11,630	11,612	11,827	11,836	12,241	11,687	Manufacture of tins and cans for food products, collapsible tubes and boxes
7,631	8,282	8,223	8,265	8,129	8,120	8,517	8,362	8,434	8,367	Manufacture of metal cable, plaited bands and similar articles
19,839	19,803	20,294	20,262	20,164	20,973	21,450	21,472	21,381	21,310	Manufacture of bolts, screws, nuts and similar threaded products
										Manufacture of metal household articles
3,352	3,325	3,383	3,433	3,619	3,615	3,600	3,604	3,559	3,525	Manufacture of any other fabricated metal products n.e.c.
23,414	24,327	24,658	24,744	24,606	25,279	25,376	25,452	25,516	25,654	Other industry
11,421	12,294	12,696	12,636	12,790	12,738	12,762	13,320	13,226	13,072	
236,704	239,866	242,230	241,440	239,917	238,894	235,495	231,534	230,131	232,987	Manufacture of electronic components and
										Manufacture of diodes, transistors and similar semiconductor devices
127,640	130,145	130,403	130,169	129,655	128,999	127,090	125,267	124,881	126,875	Manufacture of electronic integrated circuits micro assemblies
										Manufacture of electrical capacitors and resistors
94,153	94,885	96,888	96,419	95,515	95,182	93,640	91,486	90,605	91,549	Manufacture of printed circuit boards
										Manufacture of display components
14,911	14,836	14,939	14,852	14,747	14,712	14,765	14,781	14,644	14,563	Manufacture of other components for electronic applications
66,536	65,347	66,748	66,616	67,609	67,464	67,223	67,423	67,910	67,698	Manufacture of computers and peripheral equipment
24,800	25,823	26,052	26,415	26,371	26,319	26,117	25,981	26,073	26,365	Manufacture of communication equipment
33,943	35,963	37,718	37,026	36,514	36,292	35,644	35,535	35,649	35,077	Manufacture of consumer electronics
31,626	30,844	31,578	31,500	31,655	31,691	31,823	31,940	32,011	32,052	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
										Manufacture of measuring, testing, navigating and control equipment
24,810	24,097	24,547	24,486	24,599	24,642	24,764	24,865	24,815	24,941	Manufacture of industrial process control
6,816	6,747	7,031	7,013	7,056	7,049	7,059	7,076	7,196	7,111	Manufacture of watches and clocks and parts
11,988	12,457	12,862	12,773	12,725	12,708	12,273	12,234	12,236	12,194	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

1.5a

: Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan
: Number of Paid Employees of Manufacturing Sector by Group

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	5,818	5,915	5,980	5,853
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	44,502	43,800	44,617	43,394
	27101 Pembuatan motor elektrik, penjana dan transformer	18,608	18,737	18,928	18,215
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	25,894	25,064	25,689	25,179
272/ 27200	Pembuatan bateri dan akumulator	8,687	8,671	8,624	8,589
273	Pembuatan pendawaian dan peranti pendawaian	24,074	23,530	24,299	23,545
	27310 Pembuatan kabel gentian optikal	926	969	949	975
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	21,825	20,980	21,892	21,073
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,323	1,581	1,459	1,496
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	3,656	3,934	3,624	3,555
275/ 27500	Pembuatan perkakasan domestik	14,844	14,766	15,597	15,738
279/ 27900	Pembuatan kelengkapan elektrik lain	7,818	7,709	7,873	7,726
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	96,289	93,994	97,105	98,507
	28120 Pembuatan alat-alat kuasa bendalir				
	&				
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	7,548	6,346	7,916	7,978
	28180 Pembuatan alatan tangan yang menggunakan kuasa				
	&				
	dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	22,093	22,759	22,879	23,370
	28220 Pembuatan jentera pembentukan logam dan alatan mesin				
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	10,104	8,842	10,320	9,918
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	9,303	8,427	9,516	9,741
	Industri lain	47,242	47,621	46,473	47,499
291 (29101 & 29102)	Pembuatan kenderaan bermotor	25,340	25,665	24,538	24,742
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,336	8,712	7,572	7,608
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	54,158	53,237	54,927	54,735
301 (30110 & 30120)	Pembinaan kapal dan bot	13,936	15,257	14,201	14,379
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	29,491	29,049	30,053	29,372
	30910 Pembuatan motosikal	11,782	12,956	12,510	11,955
	30920 Pembuatan basikal dan <i>invalid carriages</i>	3,464	1,579	3,241	3,048
	Industri lain	14,244	14,514	14,302	14,368
310	Pembuatan perabot	77,294	81,979	79,337	80,585
	31001 Pembuatan perabot kayu dan rotan	59,201	62,863	60,595	61,797
	Industri lain	18,092	19,116	18,742	18,787
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,577	5,665	6,107	5,818
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	27,237	28,203	27,190	27,092
	32901 Pembuatan alat tulis	6,191	6,097	6,062	5,971
	Industri lain	21,046	22,107	21,129	21,121
323/ 32300	Pembuatan barangan sukan	2,723	2,108	2,585	2,583
324/ 32400	Pembuatan permainan dan mainan	5,251	4,999	5,052	4,999
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	42,314	43,843	43,583	43,593
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	6,891	7,256	7,280	7,339
	Industri lain	35,423	36,587	36,302	36,254
Jumlah Pembuatan		2,335,435	2,374,557	2,351,269	2,345,574

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)	
6,236	5,915	5,855	5,891	5,930	Manufacture of optical instruments, photographic equipment, magnetic and optical media
44,787	43,800	43,055	43,615	42,930	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
19,102	18,737	18,827	18,370	18,875	Manufacture of electric motors, generators and transformers
25,685	25,064	24,229	25,245	24,055	Manufacture of electricity distribution and control apparatus
8,939	8,671	8,775	8,538	8,756	Manufacture of batteries and accumulators
24,010	23,530	23,981	24,434	23,986	Manufacture of wiring and wiring devices
962	969	968	961	989	Manufacture of fibre optic cables
21,463	20,980	21,442	21,973	21,414	Manufacture of other electronic and electric wires and cables
1,585	1,581	1,571	1,501	1,582	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
3,908	3,934	4,007	3,528	3,901	Manufacture of electric lighting equipment
15,024	14,766	15,468	15,371	15,379	Manufacture of domestic appliances
7,785	7,709	7,630	7,782	7,607	Manufacture of other electrical equipment
95,536	93,994	94,976	97,395	95,061	Manufacture of general-purpose and special-purpose machinery
					Manufacture of fluid power equipmen
7,314	6,346	5,958	7,874	5,974	Manufacture of other pumps, compressors, taps and valves
					Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
22,743	22,759	22,920	22,934	23,014	Manufacture of metal-forming machinery and machine tools
9,058	8,842	9,010	10,248	9,222	Manufacture of air-conditioning machines, including for motor vehicles
8,443	8,427	8,529	9,637	8,479	Manufacture of other special-purpose machinery n.e.c.
47,977	47,621	48,558	46,702	48,373	Other industry
25,777	25,665	24,734	24,501	24,755	Manufacture of motor vehicles
8,612	8,712	8,387	7,590	8,356	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
53,178	53,237	51,853	54,833	55,315	Manufacture of parts and accessories for motor vehicles
15,054	15,257	15,150	14,031	14,962	Building of ships and boats
28,999	29,049	29,451	29,681	29,490	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
12,904	12,956	13,186	12,163	13,207	Manufacture of motorcycles
1,749	1,579	1,485	3,227	1,486	Manufacture of bicycles and invalid carriages
14,346	14,514	14,780	14,290	14,798	Other industry
81,400	81,979	83,395	80,462	85,027	Manufacture of furniture
62,840	62,863	63,535	61,799	65,077	Manufacture of wooden and cane furniture
18,561	19,116	19,861	18,664	19,951	Other industry
5,597	5,665	5,726	6,014	5,618	Manufacture of jewellery, bijouterie and related articles
28,430	28,203	28,288	26,890	28,061	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
6,269	6,097	5,999	6,057	6,032	Manufacture of stationery
22,162	22,107	22,289	20,833	22,030	Other industry
2,149	2,108	2,351	2,576	2,402	Manufacture of sports goods
5,026	4,999	4,963	5,024	4,935	Manufacture of games and toys
43,616	43,843	44,429	43,684	44,148	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
7,324	7,256	7,560	7,434	7,589	Repair and maintenance of transport equipment except motorcycles and bicycles
36,292	36,587	36,869	36,251	36,559	Other industry
2,372,752	2,374,557	2,363,344	2,349,159	2,372,596	Total Manufacturing

Jadual
Table

1.5a

: Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan (samb.)
: Number of Paid Employees of Manufacturing Sector by Group (cont.)

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023					
		Jan.	Feb.	Mac	Apr.	Mei	Jun
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	6,019	5,956	5,980	5,891	5,916	5,853
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	44,702	44,495	44,617	43,615	43,288	43,394
27101	Pembuatan motor elektrik, penjana dan transformer	19,030	18,915	18,928	18,370	18,325	18,215
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	25,672	25,580	25,689	25,245	24,962	25,179
272/ 27200	Pembuatan bateri dan akumulator	8,689	8,630	8,624	8,538	8,587	8,589
273	Pembuatan pendawaian dan peranti pendawaian	23,949	24,428	24,299	24,434	23,557	23,545
27310	Pembuatan kabel gentian optikal	936	941	949	961	974	975
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	21,586	22,060	21,892	21,973	21,087	21,073
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,427	1,427	1,459	1,501	1,496	1,496
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	3,601	3,521	3,624	3,528	3,501	3,555
275/ 27500	Pembuatan perkakasan domestik	14,901	14,932	15,597	15,371	15,888	15,738
279/ 27900	Pembuatan kelengkapan elektrik lain	7,905	7,882	7,873	7,782	7,741	7,726
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	96,996	98,086	97,105	97,395	96,815	98,507
28120 & 28130	Pembuatan alat-alat kuasa bendalir	7,902	7,976	7,916	7,874	7,856	7,978
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	22,213	22,593	22,879	22,934	22,787	23,370
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	10,379	10,517	10,320	10,248	9,980	9,918
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	9,397 47,104	9,530 47,471	9,516 46,473	9,637 46,702	9,689 46,503	9,741 47,499
291 (29101 & 29102)	Pembuatan kenderaan bermotor	25,254	24,684	24,538	24,501	24,840	24,742
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,361	7,676	7,572	7,590	7,595	7,608
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	54,385	54,728	54,927	54,833	55,002	54,735
301 (30110 & 30120)	Pembinaan kapal dan bot	14,356	14,389	14,201	14,031	14,262	14,379
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	29,937	29,923	30,053	29,681	29,565	29,372
30910	Pembuatan motosikal	12,113	12,233	12,510	12,163	11,853	11,955
30920	Pembuatan basikal dan <i>invalid carriages</i>	3,349	3,280	3,241	3,227	3,146	3,048
	Industri lain	14,475	14,411	14,302	14,290	14,566	14,368
310	Pembuatan perabot	79,024	79,053	79,337	80,462	80,682	80,585
31001	Pembuatan perabot kayu dan rotan	60,332	60,239	60,595	61,799	61,915	61,797
	Industri lain	18,692	18,815	18,742	18,664	18,767	18,787
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	5,981	6,112	6,107	6,014	6,041	5,818
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	27,159	27,107	27,190	26,890	27,073	27,092
32901	Pembuatan alat tulis	6,215	6,079	6,062	6,057	6,077	5,971
	Industri lain	20,944	21,028	21,129	20,833	20,996	21,121
323/ 32300	Pembuatan barangan sukan	2,646	2,547	2,585	2,576	2,580	2,583
324/ 32400	Pembuatan permainan dan mainan	5,130	5,127	5,052	5,024	5,044	4,999
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	43,460	43,478	43,583	43,684	44,026	43,593
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	7,422	7,409	7,280	7,434	7,286	7,339
	Industri lain	36,037	36,069	36,302	36,251	36,740	36,254
Jumlah Pembuatan		2,341,951	2,349,967	2,351,269	2,349,159	2,355,748	2,345,574

2024										Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
5,800	6,165	6,236	6,186	5,937	5,915	5,678	5,718	5,855	5,930	Manufacture of optical instruments, photographic equipment, magnetic and optical media
44,057	44,811	44,787	44,515	44,123	43,800	43,821	43,094	43,055	42,930	Manufacture of electric motors, generators, transformers and electricity distribution and
18,430	18,952	19,102	18,989	18,799	18,737	18,722	18,703	18,827	18,875	Manufacture of electric motors, generators and
25,627	25,859	25,685	25,525	25,325	25,064	25,099	24,390	24,229	24,055	Manufacture of electricity distribution and control
8,534	8,674	8,939	8,998	8,653	8,671	8,677	8,792	8,775	8,756	Manufacture of batteries and accumulators
23,357	23,815	24,010	23,909	23,779	23,530	23,984	23,927	23,981	23,986	Manufacture of wiring and wiring devices
960	955	962	988	992	969	969	965	968	989	Manufacture of fibre optic cables
20,962	21,334	21,463	21,330	21,211	20,980	21,421	21,374	21,442	21,414	Manufacture of other electronic and electric wires
1,435	1,526	1,585	1,590	1,576	1,581	1,594	1,588	1,571	1,582	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
3,684	3,858	3,908	3,927	3,900	3,934	3,976	3,872	4,007	3,901	Manufacture of electric lighting equipment
15,447	15,692	15,024	14,961	14,881	14,766	14,858	14,697	15,468	15,379	Manufacture of domestic appliances
7,800	7,964	7,785	7,739	7,676	7,709	7,734	7,657	7,630	7,607	Manufacture of other electrical equipment
96,005	96,046	95,536	95,332	95,471	93,994	94,750	95,978	94,976	95,061	Manufacture of general-purpose and special-purpose machinery
										Manufacture of fluid power equipment
7,893	7,373	7,314	7,378	7,334	6,346	5,997	5,992	5,958	5,974	Manufacture of other pumps, compressors, taps and valves
										Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
22,959	22,665	22,743	22,710	22,769	22,759	23,198	23,887	22,920	23,014	Manufacture of metal-forming machinery and machine tools
8,977	8,938	9,058	8,974	8,896	8,842	9,034	9,039	9,010	9,222	Manufacture of air-conditioning machines, including for motor vehicles
9,791	8,673	8,443	8,445	8,418	8,427	8,450	8,489	8,529	8,479	Manufacture of other special-purpose machinery
46,385	48,397	47,977	47,825	48,053	47,621	48,070	48,571	48,558	48,373	Other industry
25,324	25,689	25,777	25,917	25,904	25,665	25,698	25,619	24,734	24,755	Manufacture of motor vehicles
7,726	8,581	8,612	8,662	8,618	8,712	8,550	8,469	8,387	8,356	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-
54,809	53,205	53,178	53,183	53,069	53,237	53,768	53,222	51,853	55,315	Manufacture of parts and accessories for motor vehicles
14,709	14,826	15,054	14,933	15,177	15,257	15,401	15,387	15,150	14,962	Building of ships and boats
29,691	28,994	28,999	29,105	28,979	29,049	29,327	29,205	29,451	29,490	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport
12,748	12,489	12,904	13,083	13,033	12,956	12,902	12,857	13,186	13,207	Manufacture of motorcycles
2,633	1,969	1,749	1,634	1,584	1,579	1,543	1,512	1,485	1,486	Manufacture of bicycles and invalid carriages
14,309	14,536	14,346	14,388	14,362	14,514	14,882	14,837	14,780	14,798	Other industry
80,271	80,892	81,400	82,545	81,929	81,979	82,638	83,028	83,395	85,027	Manufacture of furniture
61,612	62,751	62,840	63,551	62,918	62,863	62,863	63,139	63,535	65,077	Manufacture of wooden and cane furniture
18,659	18,141	18,561	18,994	19,011	19,116	19,775	19,889	19,861	19,951	Other industry
5,567	5,485	5,597	5,620	5,669	5,665	5,692	5,546	5,726	5,618	Manufacture of jewellery, bijouterie and related articles
28,373	28,404	28,430	28,497	28,454	28,203	28,053	28,306	28,288	28,061	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
6,038	6,239	6,269	6,257	6,115	6,097	5,979	6,015	5,999	6,032	Manufacture of stationery
22,335	22,165	22,162	22,240	22,339	22,107	22,074	22,291	22,289	22,030	Other industry
2,581	2,172	2,149	2,124	2,172	2,108	2,156	2,162	2,351	2,402	Manufacture of sports goods
4,549	5,005	5,026	5,095	5,022	4,999	4,933	4,967	4,963	4,935	Manufacture of games and toys
44,126	44,084	43,616	43,845	43,599	43,843	44,459	44,254	44,429	44,148	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
7,271	7,395	7,324	7,183	7,245	7,256	7,476	7,516	7,560	7,589	Repair and maintenance of transport equipment except motorcycles and bicycles
36,855	36,689	36,292	36,662	36,354	36,587	36,983	36,739	36,869	36,559	Other industry
2,340,123	2,355,111	2,372,752	2,378,238	2,377,383	2,374,557	2,372,913	2,365,000	2,363,344	2,372,596	Total Manufacturing

Jadual **1.5b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peraturan Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2024
				Q1	Q2	Q3	Q4	Q1	(Jan. - Apr.)	
101	Pemprosesan dan pengawetan daging	4.9	7.8	6.3	9.5	10.3	7.8	8.1	10.0	4.0
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5.3	3.5	9.1	6.0	5.3	3.5	1.3	7.4	3.2
	10201 Pengetinan ikan, krustasea dan moluska									
	&									
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	6.4	2.2	9.5	6.3	4.8	2.2	-0.5	7.3	1.7
	Industri lain	-0.4	10.7	6.7	4.6	7.5	10.7	11.3	8.1	11.4
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	-2.1	1.7	2.2	6.0	4.0	1.7	2.4	3.2	1.4
	10303 Pengetinan nanas									
	&									
	10304 Pembuatan jem, marmalad dan sajian jeli	12.4	-8.1	17.0	5.4	7.4	-8.1	2.7	9.6	3.8
	Industri lain	-3.0	2.3	1.5	6.1	3.8	2.3	2.4	2.9	1.3
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.0	6.7	6.9	7.0	8.9	6.7	4.5	6.6	5.3
	10404 Pembuatan minyak sayuran mentah dan bertapis									
	&									
	10406 Pembuatan sebatian lemak masakan	5.7	10.5	9.9	8.3	16.3	10.5	11.6	9.2	14.4
	10405 Pembuatan minyak kelapa	4.9	3.5	3.5	1.3	3.7	3.5	4.4	1.2	4.5
	Industri lain	6.0	6.6	6.9	7.2	8.7	6.6	4.1	6.6	4.9
105	Pembuatan produk tenusu	1.1	4.2	2.5	-0.1	4.4	4.2	5.8	2.5	5.4
	10502 Pembuatan susu pekat, tepung dan sejat	-1.1	1.9	1.3	-0.9	3.2	1.9	5.4	2.5	3.6
	Industri lain	7.3	10.1	5.9	2.0	7.7	10.1	7.0	2.5	10.4
106	Pembuatan produk bijian, kanji dan produk berkanji	3.6	3.0	4.3	4.3	4.1	3.0	-0.1	2.8	0.2
	10611 Pengilangan beras	9.5	1.8	8.5	6.8	2.9	1.8	0.3	5.7	1.4
	10613 Pengilangan tepung	0.7	6.1	2.8	4.1	7.7	6.1	-0.4	2.4	-0.3
	Industri lain	-9.5	-5.5	-9.4	-7.6	-6.7	-5.5	-1.6	-10.1	-3.3
107	Pembuatan produk makanan lain	5.6	8.9	4.6	5.7	9.8	8.9	7.0	6.3	6.8
	10711 Pembuatan biskut dan cookies	1.0	2.8	2.1	0.6	1.6	2.8	-2.2	1.9	-1.8
	10712 Pembuatan roti, kek dan produk bakeri lain	3.5	8.0	8.7	9.6	11.5	8.0	5.6	8.8	7.4
	10713 Pembuatan produk snek	5.0	8.8	5.3	4.9	7.9	8.8	8.2	5.4	7.6
	10721 Pembuatan gula	-1.2	5.3	-0.5	2.7	7.2	5.3	3.9	1.5	3.1
	10731 Pembuatan produk koko	-0.5	3.2	-2.2	1.1	-0.5	3.2	1.8	-2.6	0.4
	10732 Pembuatan coklat dan produk coklat									
	&									
	10733 Pembuatan konfeksi gula	-2.1	9.8	-0.1	-1.7	3.7	9.8	9.5	1.2	7.8
	10793 Pembuatan sos dan bahan perasa	15.5	16.4	10.0	8.8	17.7	16.4	16.8	12.4	16.5
	10799 Pembuatan produk makanan lain t.t.t.l.	10.7	20.0	-7.4	4.0	16.9	20.0	20.2	3.7	14.5
	Industri lain	7.3	5.6	7.9	6.7	8.8	5.6	3.1	7.7	3.5
108/ 10800	Pembuatan makanan haiwan tersedia	4.6	-12.2	5.3	-1.8	-7.6	-12.2	-10.6	-1.6	-7.7
110	Pembuatan minuman ringan	2.6	2.6	2.9	3.8	2.8	2.6	2.1	2.2	2.6
	11041 Pembuatan minuman ringan	3.1	0.9	1.7	2.7	0.9	0.9	1.3	1.2	1.7
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-1.8	4.8	4.9	4.8	5.5	4.8	1.2	5.2	1.5
	Industri lain	10.6	8.1	5.2	8.2	8.7	8.1	9.3	1.6	10.3
120/ 12000	Pembuatan produk tembakau	2.8	2.2	2.4	7.1	6.1	2.2	-8.0	9.3	-1.4
131	Pemintalan, penenunan dan penyiapan tekstil	-1.8	1.2	0.5	2.8	2.6	1.2	1.5	1.4	2.8
	13110 Penyediaan dan pemintalan gentian tekstil									
	&									
	13120 Penenunan tekstil	-3.6	3.2	1.2	4.2	6.6	3.2	3.7	2.6	5.7
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.2	-4.5	-1.6	-0.8	-7.2	-4.5	-3.3	-1.3	-4.1
	Industri lain	-5.0	8.6	3.7	6.9	7.5	8.6	-4.5	0.8	0.8
139	Pembuatan tekstil lain	2.5	1.9	3.2	2.4	2.5	1.9	0.1	3.6	-1.0
	13910 Pembuatan fabrik dikait dan dikrusye	-1.9	-4.5	-4.8	-5.1	-6.1	-4.5	-3.8	-3.5	-4.8
	Industri lain	5.6	6.0	8.8	7.4	8.2	6.0	2.4	8.5	1.3
141	Pembuatan pakaian, kecuali pakaian berbulu	2.6	2.6	1.8	3.1	3.0	2.6	3.5	2.7	2.8
	14102 Pembuatan pakaian	2.9	2.6	3.2	2.8	2.3	2.6	4.3	3.7	3.9
	Industri lain	1.9	2.6	-1.9	4.0	4.9	2.6	1.3	0.3	0.1
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	2.6	8.5	6.7	5.4	10.3	8.5	0.9	5.6	3.5
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-4.4	-0.6	-0.3	0.8	1.2	-0.6	-5.8	-2.0	-3.3
152	Pembuatan kasut	8.8	5.3	9.9	7.6	5.7	5.3	3.3	8.8	3.3
	15201 Pembuatan kasut kulit									
	&									
	15203 Pembuatan kasut getah	10.3	-0.8	7.4	1.4	-0.02	-0.8	-0.8	5.7	-0.1
	Industri lain	6.9	12.9	13.0	15.2	12.8	12.9	8.1	12.6	7.1
161/ 16100	Pengilangan dan pengetaman kayu	-1.9	-2.6	-1.7	-2.4	-3.6	-2.6	-3.8	-3.6	-1.8

2023					2024																Group Description/Period
Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.						
4.2	4.6	6.3	10.0	9.6	9.5	9.2	9.1	10.3	10.8	9.7	7.8	5.9	6.9	8.1	4.0	Processing and preserving of meat					
4.5	9.1	9.1	7.4	7.9	6.0	5.7	3.8	5.3	4.8	3.7	3.5	4.5	1.5	1.3	3.2	Processing and preserving of fish, crustaceans and molluscs Canning of fish, crustaceans and molluscs					
4.9	9.7	9.5	7.3	8.1	6.3	7.1	3.4	4.8	4.6	2.7	2.2	3.2	-0.4	-0.5	1.7	Processing, curing and preserving of fish, crustacean and molluscs					
2.1	6.2	6.7	8.1	6.8	4.6	-1.7	6.2	7.5	6.1	9.1	10.7	11.5	11.6	11.3	11.4	Other industry					
-3.3	-0.1	2.2	3.2	6.2	6.0	3.5	1.8	4.0	4.6	3.4	1.7	1.8	1.5	2.4	1.4	Processing and preserving of fruits and vegetable Pineapple canning					
7.1	8.6	17.0	9.6	11.4	5.4	9.3	7.8	7.4	8.6	7.5	-8.1	-3.3	5.9	2.7	3.8	Manufacture of jams, marmalades and table jellies					
-3.9	-0.6	1.5	2.9	6.0	6.1	3.2	1.5	3.8	4.4	3.2	2.3	2.1	1.2	2.4	1.3	Other industry					
6.5	6.7	6.9	6.6	6.8	7.0	7.1	7.5	8.9	9.1	7.4	6.7	5.8	4.4	4.5	5.3	Manufacture of vegetable and animal oils and fats Manufacture of crude and refined vegetable oil					
8.3	8.1	9.9	9.2	8.0	8.3	8.0	15.4	16.3	16.8	10.2	10.5	8.2	12.0	11.6	14.4	Manufacture of compound cooking fats					
4.4	3.8	3.5	1.2	1.3	1.3	0.6	2.3	3.7	3.7	3.4	3.5	4.7	4.9	4.4	4.5	Manufacture of coconut oil					
6.5	6.8	6.9	6.6	6.9	7.2	7.3	7.3	8.7	8.9	7.4	6.6	5.7	4.0	4.1	4.9	Other industry					
3.0	3.1	2.5	2.5	0.7	-0.1	0.8	2.9	4.4	4.1	4.3	4.2	4.8	4.3	5.8	5.4	Manufacture of dairy products					
1.5	1.7	1.3	2.5	-0.3	-0.9	0.4	2.5	3.2	2.8	1.8	1.9	3.6	2.9	5.4	3.6	Manufacture of condensed, powdered and evaporated milk					
7.2	6.9	5.9	2.5	3.4	2.0	1.8	4.0	7.7	7.3	10.9	10.1	7.9	8.1	7.0	10.4	Other industry					
3.5	5.0	4.3	2.8	4.6	4.3	4.0	1.7	4.1	4.7	3.8	3.0	3.2	-0.6	-0.1	0.2	Manufacture of grain mill products, starches and starch products					
8.1	9.3	8.5	5.7	7.4	6.8	6.1	1.1	2.9	3.4	3.6	1.8	2.5	1.1	0.3	1.4	Rice milling					
0.6	3.5	2.8	2.4	4.1	4.1	3.3	3.9	7.7	8.4	5.6	6.1	6.1	-1.9	-0.4	-0.3	Flour milling					
-5.0	-9.0	-9.4	-10.1	-7.2	-7.6	-3.8	-6.0	-6.7	-6.1	-4.6	-5.5	-7.7	-3.6	-1.6	-3.3	Other industry					
5.0	5.8	4.6	6.3	6.6	5.7	6.6	8.4	9.8	10.3	9.9	8.9	8.3	7.2	7.0	6.8	Manufacture of other food products					
2.6	4.1	2.1	1.9	2.5	0.6	0.1	0.6	1.6	2.1	1.9	2.8	0.8	-1.8	-2.2	-1.8	Manufacture of biscuits and cookies					
3.3	7.6	8.7	8.8	8.8	9.6	12.5	10.4	11.5	10.7	9.6	8.0	7.8	7.6	5.6	7.4	Manufacture of bread, cakes and other bakery products					
4.7	5.6	5.3	5.4	6.6	4.9	3.3	6.6	7.9	7.5	9.4	8.8	10.4	8.2	8.2	7.6	Manufacture of snack products					
-0.9	-1.3	-0.5	1.5	1.9	2.7	2.9	6.0	7.2	8.0	7.5	5.3	5.3	5.5	3.9	3.1	Manufacture of sugar					
-0.9	-0.3	-2.2	-2.6	0.0	1.1	0.4	-1.4	-0.5	4.1	4.3	3.2	3.4	2.1	1.8	0.4	Manufacture of cocoa products					
3.3	1.2	-0.1	1.2	1.5	-1.7	-0.4	3.2	3.7	4.4	10.7	9.8	7.9	9.4	9.5	7.8	Manufacture of chocolate and chocolate products					
14.2	10.7	10.0	12.4	8.7	8.8	9.2	15.3	17.7	18.3	18.7	16.4	16.8	16.4	16.8	16.5	Manufacture of sugar confectionery					
3.5	-0.7	-7.4	3.7	5.0	4.0	6.1	15.4	16.9	19.2	18.8	20.0	19.1	20.2	20.2	14.5	Manufacture of sauces and condiments					
6.6	8.4	7.9	7.7	8.4	6.7	6.9	7.0	8.8	9.4	7.2	5.6	4.5	2.0	3.1	3.5	Manufacture of other food products n.e.c.					
4.2	5.4	5.3	-1.6	-2.3	-1.8	-2.6	-6.3	-7.6	-8.6	-8.1	-12.2	-10.9	-11.2	-10.6	-7.7	Manufacture of prepared animal feeds					
2.9	2.7	2.9	2.2	3.0	3.8	4.6	2.5	2.8	3.6	3.5	2.6	2.8	2.0	2.1	2.6	Manufacture of beverages					
3.2	1.8	1.7	1.2	1.4	2.7	3.1	0.6	0.9	1.3	1.8	0.9	1.8	0.7	1.3	1.7	Manufacture of soft drinks					
2.8	5.2	4.9	5.2	6.1	4.8	6.3	5.3	5.5	6.5	4.7	4.8	2.8	2.8	1.2	1.5	Production of natural mineral waters and other bottled waters					
1.8	2.1	5.2	1.6	5.4	8.2	10.4	8.0	8.7	11.0	11.5	8.1	8.1	7.4	9.3	10.3	Other industry					
0.6	0.8	2.4	9.3	8.7	7.1	5.4	5.2	6.1	5.8	4.5	2.2	-1.8	-8.5	-8.0	-1.4	Manufacture of tobacco products					
0.5	-0.2	0.5	1.4	2.8	2.8	2.0	3.7	2.6	1.7	1.9	1.2	-0.3	0.2	1.5	2.8	Spinning, weaving and finishing of textiles					
-0.2	-1.5	1.2	2.6	3.8	4.2	5.3	6.9	6.6	5.2	3.6	3.2	1.4	2.1	3.7	5.7	Preparation and spinning of textile fibres					
3.1	3.3	-1.6	-1.3	0.5	-0.8	-6.1	-4.2	-7.2	-6.9	-2.8	-4.5	-4.4	-3.9	-3.3	-4.1	Dyeing, bleaching, printing and finishing of yarns and fabrics					
-6.7	-3.2	3.7	0.8	1.2	6.9	5.3	7.8	7.5	8.9	8.4	8.6	-1.2	-5.0	-4.5	0.8	Other industry					
2.9	2.5	3.2	3.6	2.8	2.4	2.6	2.9	2.5	2.8	1.4	1.9	2.8	0.8	0.1	-1.0	Manufacture of other textiles					
-2.8	-3.0	-4.8	-3.5	-4.7	-5.1	-5.6	-4.9	-6.1	-4.0	-4.6	-4.5	-3.1	-6.4	-3.8	-4.8	Manufacture of knitted and crocheted fabrics					
6.9	6.4	8.8	8.5	7.9	7.4	8.1	8.1	8.2	7.3	5.3	6.0	6.5	5.4	2.4	1.3	Other industry					
2.8	1.7	1.8	2.7	2.5	3.1	3.0	2.1	3.0	3.0	2.8	2.6	2.9	3.3	3.5	2.8	Manufacture of wearing apparel, except fur					
5.3	3.1	3.2	3.7	3.1	2.8	2.7	1.6	2.3	2.8	3.1	2.6	2.8	4.0	4.3	3.9	Manufacture of clothings					
-3.5	-2.0	-1.9	0.3	0.8	4.0	3.9	3.7	4.9	3.6	1.9	2.6	3.4	1.4	1.3	0.1	Other industry					
2.4	5.8	6.7	5.6	6.0	5.4	4.8	10.3	10.3	6.7	8.7	8.5	6.5	2.8	0.9	3.5	Manufacture of articles of fur, knitted and crocheted apparel					
-2.5	-1.5	-0.3	-2.0	-0.8	0.8	0.8	-0.1	1.2	1.8	1.7	-0.6	-2.8	-4.5	-5.8	-3.3	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur					
8.0	7.7	9.9	8.8	8.1	7.6	8.1	5.5	5.7	7.0	5.6	5.3	3.7	2.5	3.3	3.3	Manufacture of footwear					
8.8	5.5	7.4	5.7	3.3	1.4	1.2	0.4	0.0	0.2	-0.6	-0.8	-1.8	-1.0	-0.8	-0.1	Manufacture of leather footwear					
7.0	10.3	13.0	12.6	14.0	15.2	16.5	11.9	12.8	15.6	13.5	12.9	10.8	6.7	8.1	7.1	Manufacture of rubber footwear					
-0.7	-0.3	-1.7	-3.6	-2.5	-2.4	-3.6	-2.5	-3.6	-2.6	-2.5	-2.6	-5.9	-7.0	-3.8	-1.8	Sawmilling and planning of wood					

Jadual **1.5b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2024
				Q1	Q2	Q3	Q4	Q1	(Jan. - Apr.)	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1.6	1.2	3.0	1.4	1.5	1.2	0.05	3.5	1.5
16211	Pembuatan kepingan venier dan papan lapis	1.7	3.1	2.6	1.3	2.3	3.1	1.0	2.7	2.6
16212	Pembuatan papan partikel dan papan gentian	-4.9	8.4	-7.7	-4.3	6.6	8.4	10.4	-8.2	12.0
16221	Pertukangan kayu untuk jurubina	-3.4	-10.9	6.5	4.1	-4.0	-10.9	-9.5	9.1	-10.9
	Industri lain	9.3	2.3	7.1	2.6	0.5	2.3	0.0	8.0	3.6
170	Pembuatan kertas dan produk kertas	4.3	1.0	4.1	1.8	1.7	1.0	0.9	3.9	0.8
17010	Pembuatan pulpa, kertas dan kertas tebal	5.3	-2.4	7.1	-3.2	-3.0	-2.4	-0.4	7.2	-0.8
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	6.9	-1.4	5.4	3.6	0.5	-1.4	-2.0	4.3	-2.2
17091	Pembuatan sampul surat dan kad surat	-0.3	4.1	4.4	1.7	0.1	4.1	-4.1	5.1	-4.2
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-1.4	5.1	-1.7	-1.6	4.5	5.1	6.0	-1.6	6.2
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	4.0	0.0	4.3	4.4	2.0	0.0	0.2	5.7	0.3
	Industri lain	6.0	9.8	5.0	5.5	8.2	9.8	8.1	5.0	7.7
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.0	1.7	3.9	4.6	5.3	1.7	-2.8	6.4	-2.4
18110	Percetakan	4.7	2.3	4.5	5.5	6.3	2.3	-2.5	7.6	-3.1
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	0.9	-1.2	1.4	0.7	1.0	-1.2	-3.7	1.2	0.7
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	4.2	3.7	4.3	5.1	3.1	3.7	1.8	5.9	1.6
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	1.8	0.3	3.5	3.1	0.1	0.3	-0.7	2.2	3.3
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	5.6	9.1	13.2	9.0	10.0	9.1	8.0	6.7	14.7
20112 & 20113	Pembuatan kimia organik asas	8.5	-1.9	9.4	7.6	2.5	-1.9	-2.4	6.2	2.0
20121 & 20129	Pembuatan sebatian bukan organik	-16.2	-5.9	-12.5	-8.6	-16.7	-5.9	-11.4	-8.7	-4.6
20131	Pembuatan produk campuran nitrogen	1.2	2.1	0.2	1.0	2.4	2.1	3.8	0.3	4.4
	Pembuatan plastik dalam bentuk primer	13.0	6.6	14.1	5.7	6.9	6.6	4.7	8.4	6.1
	Industri lain									
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	4.3	-2.6	1.2	0.1	0.2	-2.6	-3.0	2.9	-1.9
20210	Pembuatan racun perosak dan produk agrokimia lain	-0.3	13.8	7.5	6.2	14.9	13.8	9.0	7.2	10.9
20221	Pembuatan cat, varnis dan penyadur dan mastik	-0.3	1.4	-11.2	4.0	2.7	1.4	1.7	3.2	1.0
20222	Pembuatan dakwat cetak	15.2	4.7	3.6	6.0	4.0	4.7	1.7	4.4	2.3
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	5.7	-7.7	4.4	-5.0	-5.3	-7.7	-6.7	3.1	-3.8
20291 & 20292	Pembuatan pewangi dan penyediaan dandanan diri									
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	3.3	-4.0	3.4	1.0	2.0	-4.0	-5.0	1.2	-5.1
20299	Pembuatan dakwat menulis dan melukis									
	Pembuatan produk kimia lain t.t.t.l.									
	Industri lain	-11.4	-32.2	-4.0	-6.1	-36.1	-32.2	-36.1	-3.9	-36.9
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	8.9	2.3	8.5	-0.3	1.6	2.3	1.6	1.3	0.6
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	7.0	1.1	6.1	0.1	1.5	1.1	-0.03	3.4	-2.5
	Industri lain	13.8	5.4	14.4	-1.2	2.0	5.4	5.4	-3.8	8.6
221	Pembuatan produk getah	-0.2	-4.0	-2.7	-9.2	-6.0	-4.0	-5.0	-7.6	-5.2
22111	Pembuatan tayar getah untuk kenderaan	-6.1	2.6	-6.3	-6.3	3.0	2.6	0.3	-6.1	-5.1
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	3.6	12.0	12.2	14.2	14.0	12.0	9.7	6.4	9.6
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	5.8	4.4	12.5	13.2	7.0	4.4	1.2	9.4	0.2
22193	Pengilangan semula getah dan prosesan susu getah									
2024	Pembuatan sarung tangan getah	-1.1	-9.0	-8.5	-18.7	-14.0	-9.0	-8.5	-14.7	-8.7
22199	Pembuatan produk getah lain yang t.t.t.l.	-0.4	-1.5	0.9	-3.2	0.1	-1.5	-4.3	-3.1	-3.2
222	Pembuatan produk plastik	3.3	3.3	2.5	2.6	2.9	3.3	2.6	2.4	3.1
22201	Pembuatan produk plastik separa siap									
22202	Pembuatan produk plastik siap	11.4	1.6	3.8	2.4	2.7	1.6	1.2	4.7	0.5
22203	Pembuatan artikel plastik untuk pembungkusan barangan	4.0	5.8	4.3	4.7	6.5	5.8	4.7	4.4	4.8
22204	Pembuatan barangan plastik jurubina	9.3	0.3	2.6	3.7	3.1	0.3	0.01	1.5	1.7
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	9.4	0.7	-1.4	-5.4	-6.2	0.7	-0.2	-4.9	0.8
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-4.1	3.0	1.0	3.1	2.2	3.0	2.4	1.2	4.0
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	11.3	-1.0	11.3	5.5	2.6	-1.0	0.3	11.5	1.2

Jadual **1.5b** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2024
				Q1	Q2	Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-0.5	2.5	-2.0	0.04	2.1	2.5	0.1	-2.0	0.3
	23911 Pembuatan mortar refraktori dan konkrit									
	&									
	23921 Pembuatan seramik bukan refraktori	-6.6	-8.1	-6.4	-5.2	-4.0	-8.1	-9.3	-5.9	-9.4
	23930 Pembuatan produk porselin dan seramik lain	2.9	-14.9	-12.6	-11.8	-14.2	-14.9	-1.5	-12.8	-1.7
	23941 Pembuatan simen hidroliik	-4.7	1.0	-6.6	-9.9	0.7	1.0	0.02	-9.6	0.4
	23951 Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	4.3	1.5	1.7	-0.8	1.8	1.5	2.2	-2.7	2.3
	23952 Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;									
	&									
	23953 Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	-0.9	4.1	0.7	6.2	5.1	4.1	-4.8	3.5	-4.1
241 (24101 & 24102 & 24103 & 24104 & 24109)	&									
	23959 Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.									
	23990 Pembuatan produk mineral bukan logam lain t.t.t.l.	0.8	12.4	-5.1	0.3	6.6	12.4	13.6	-3.7	12.1
	Industri lain	1.0	14.8	1.8	2.5	6.7	14.8	13.3	0.5	13.7
	Pembuatan besi dan keluli asas	0.4	5.3	1.7	1.6	4.9	5.3	7.0	1.3	6.8
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1.6	-5.9	-0.4	-0.3	-4.8	-5.9	-7.1	-1.6	-6.9
243	Pengacuan logam	-2.8	1.6	-2.4	0.1	1.8	1.6	-0.7	1.6	1.7
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.8	1.4	1.1	1.3	2.2	1.4	1.7	0.5	3.1
	25113 Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan									
	&									
	25119 Pembuatan produk struktur logam lain	-0.2	4.6	-0.9	0.2	6.0	4.6	5.2	-0.9	6.7
	25120 Pembuatan tangki, takungan dan kontena daripada logam	4.6	-8.3	6.2	3.4	-8.7	-8.3	-7.5	2.3	-4.7
259	Industri lain	0.5	-0.7	4.3	3.6	-0.5	-0.7	-2.2	4.5	-3.7
	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.2	5.4	2.1	2.2	5.2	5.4	4.6	2.2	5.3
	25910 Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	1.5	-0.3	-1.1	-5.8	-2.0	-0.3	-0.8	-3.7	1.9
	25920 Rawatan dan penyalutan logam; menggunakan mesin	5.8	-9.7	4.8	6.8	-6.9	-9.7	-11.4	6.1	-11.4
	25991 Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-1.9	6.1	0.5	-1.6	7.5	6.1	8.2	-4.9	12.1
	25992 Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	0.3	8.3	1.8	3.2	6.6	8.3	9.7	3.5	8.7
	&									
	25993 Pembuatan bolt, skru, nat dan produk uliran seumpamanya									
	25994 Pembuatan barangan rumah daripada logam	-0.8	14.1	1.8	5.2	11.8	14.1	5.5	6.4	3.1
	25999 Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.4	7.9	3.5	5.2	10.1	7.9	7.3	5.4	7.8
261	Industri lain	-0.3	21.8	3.8	7.1	18.7	21.8	17.8	4.6	16.0
	Pembuatan komponen dan papan elektronik	7.4	1.9	6.5	7.1	4.8	1.9	-2.5	7.7	-3.1
	26101 Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya									
	&									
	26102 Pembuatan litar elektronik bersepadu dengan pemasangan mikro	6.7	0.9	5.1	4.1	2.2	0.9	-2.2	7.7	-4.3
	26103 Pembuatan kapasitor dan perintang elektrik									
	&									
	26104 Pembuatan papan litar bercetak	9.3	3.0	9.5	12.1	8.4	3.0	-3.7	9.1	-2.3
	&									
	26105 Pembuatan komponen paparan									
262 (26201 & 26202)	26109 Pembuatan komponen lain untuk aplikasi elektronik	1.1	3.0	0.2	2.8	4.7	3.0	2.7	-1.4	2.4
	Pembuatan komputer dan kelengkapan peranti	5.8	-3.2	0.3	-1.1	-2.4	-3.2	1.7	0.2	1.9
	Pembuatan peralatan komunikasi	7.8	0.3	6.6	4.7	-0.6	0.3	0.6	6.7	0.8
	Pembuatan peralatan elektronik pengguna	3.9	3.4	0.9	-2.8	5.7	3.4	4.4	-2.8	4.5
	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	8.2	-0.1	8.5	7.5	2.0	-0.1	-0.4	8.6	-0.1
	26511 Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	8.8	0.2	10.0	10.8	3.1	0.2	-0.4	10.1	-0.02
	&									
266/ 26600	26512 Pembuatan kelengkapan kawalan proses perindustrian									
	26520 Pembuatan jam tangan dan jam dan bahagiannya	6.0	-1.1	3.4	-3.1	-1.5	-1.1	-0.5	3.6	-0.5
	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	1.5	-3.1	1.8	1.4	-2.1	-3.1	-6.3	2.2	-6.2

2023																2024																Group Description/Period
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.																	
-1.0	-1.5	-2.0	-2.0	-0.5	0.0	1.0	1.9	2.1	1.8	2.5	2.5	-0.5	0.2	0.1	0.3	Manufacture of non-metallic mineral products																
																Manufacture of refractory mortars and concretes																
-5.3	-4.7	-6.4	-5.9	-6.1	-5.2	-7.4	-4.3	-4.0	-5.8	-8.6	-8.1	-8.6	-8.8	-9.3	-9.4	Manufacture of non-refractory ceramic																
																Manufacture of other porcelain and ceramic products																
1.4	-13.3	-12.6	-12.8	-11.1	-11.8	-12.6	-11.1	-14.2	-15.1	-13.6	-14.9	-16.5	-3.0	-1.5	-1.7	Manufacture of hydraulic cement																
-3.6	-3.7	-6.6	-9.6	-9.7	-9.9	-6.8	1.4	0.7	0.4	0.5	1.0	0.4	0.1	0.02	0.4	Manufacture of ready-mix and dry-mix concrete and mortars																
																Manufacture of precast concrete, cement or artificial stone articles for use in construction																
																Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone																
																Manufacture of other articles of concrete, cement and plaster n.e.c.																
-4.1	-4.4	-5.1	-3.7	-0.1	0.3	5.6	4.0	6.6	12.4	12.9	12.4	15.0	14.0	13.6	12.1	Manufacture of other non-metallic mineral products n.e.c.																
-0.5	0.3	1.8	0.5	1.1	2.5	4.2	6.4	6.7	6.2	12.6	14.8	13.3	13.4	13.3	13.7	Other industry																
1.8	1.0	1.7	1.3	2.1	1.6	1.3	2.9	4.9	4.3	5.1	5.3	5.4	7.5	7.0	6.8	Manufacture of basic iron and steel																
0.7	0.4	-0.4	-1.6	-0.7	-0.3	-0.9	-4.0	-4.8	-4.4	-5.7	-5.9	-5.3	-8.1	-7.1	-6.9	Manufacture of basic precious and other non-ferrous metals																
-3.2	-2.0	-2.4	1.6	1.4	0.1	-0.6	2.2	1.8	2.0	1.5	1.6	0.7	-0.7	-0.7	1.7	Casting of metals																
0.3	1.3	1.1	0.5	1.2	1.3	1.4	2.6	2.2	1.8	1.7	1.4	2.0	1.2	1.7	3.1	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition																
																Manufacture of metal doors, windows and their frames, shutters and gates																
																Manufacture of other structural metal products																
-1.3	-0.3	-0.9	-0.9	-0.2	0.2	1.6	7.5	6.0	5.8	4.9	4.6	5.0	4.2	5.2	6.7	Manufacture of tanks, reservoirs and containers of metal																
5.2	5.5	6.2	2.3	3.2	3.4	1.6	-9.3	-8.7	-9.6	-7.7	-8.3	-6.5	-6.9	-7.5	-4.7	Manufacture of tanks, reservoirs and containers of metal																
1.7	3.9	4.3	4.5	5.3	3.6	0.2	-4.2	-0.5	-1.1	-0.2	-0.7	-0.9	-1.9	-2.2	-3.7	Other industry																
2.8	3.3	2.1	2.2	2.7	2.2	3.1	4.7	5.2	5.5	5.0	5.4	5.4	4.3	4.6	5.3	Manufacture of other fabricated metal products; metal working service activities																
																Forging, pressing, stamping and roll-forming of metal; powder metallurgy																
1.2	-1.4	-1.1	-3.7	-4.5	-5.8	-1.9	-0.8	-2.0	-0.8	-0.1	-0.3	-1.1	-1.7	-0.8	1.9	Treatment and coating of metals; machining																
6.1	6.2	4.8	6.1	6.5	6.8	3.8	-5.5	-6.9	-7.6	-7.1	-9.7	-9.0	-11.8	-11.4	-11.4	Manufacture of tins and cans for food products, collapsible tubes and boxes																
-0.3	0.6	0.5	-4.9	-1.9	-1.6	-1.2	6.7	7.5	8.8	5.7	6.1	7.5	5.5	8.2	12.1	Manufacture of metal cable, plaited bands and similar articles																
																Manufacture of bolts, screws, nuts and similar threaded products																
2.2	3.0	1.8	3.5	4.1	3.2	4.7	4.2	6.6	5.9	3.9	8.3	9.4	8.4	9.7	8.7	Manufacture of metal household articles																
1.6	0.6	1.8	6.4	4.3	5.2	11.5	9.8	11.8	13.5	13.9	14.1	11.6	11.8	5.5	3.1	Manufacture of any other fabricated metal products n.e.c.																
5.3	8.2	3.5	5.4	5.9	5.2	5.1	9.6	10.1	10.5	8.3	7.9	7.8	5.9	7.3	7.8	Manufacture of any other fabricated metal products n.e.c.																
0.5	3.3	3.8	4.6	6.8	7.1	6.6	15.8	18.7	19.1	22.2	21.8	20.9	21.6	17.8	16.0	Other industry																
6.9	7.2	6.5	7.7	8.1	7.1	4.0	4.5	4.8	4.6	3.1	1.9	1.2	-1.6	-2.5	-3.1	Manufacture of electronic components and boards																
																Manufacture of diodes, transistors and similar semiconductor devices																
5.9	6.1	5.1	7.7	5.9	4.1	1.7	2.3	2.2	2.4	2.2	0.9	1.1	-1.5	-2.2	-4.3	Manufacture of electronic integrated circuits micro assemblies																
																Manufacture of electrical capacitors and resistors																
9.5	10.0	9.5	9.1	12.4	12.1	7.5	8.0	8.4	7.6	4.5	3.0	1.1	-2.5	-3.7	-2.3	Manufacture of printed circuit boards																
																Manufacture of display components																
0.3	0.4	0.2	-1.4	1.5	2.8	2.9	3.1	4.7	4.9	2.5	3.0	3.4	3.5	2.7	2.4	Manufacture of other components for electronic applications																
0.5	0.5	0.3	0.2	-0.3	-1.1	-1.7	-4.4	-2.4	-2.0	-3.7	-3.2	1.2	1.3	1.7	1.9	Manufacture of computers and peripheral equipment																
8.6	6.7	6.6	6.7	5.9	4.7	-2.5	0.2	-0.6	1.2	1.1	0.3	0.2	0.3	0.6	0.8	Manufacture of communication equipment																
0.8	0.6	0.9	-2.8	-2.1	-2.8	-5.2	-4.1	5.7	3.9	3.2	3.4	3.6	4.0	4.4	4.5	Manufacture of consumer electronics																
7.4	9.2	8.5	8.6	9.5	7.5	4.4	0.3	2.0	1.2	0.1	-0.1	0.2	-0.7	-0.4	-0.1	Manufacture of measuring, testing, navigating and control equipment; watches and clocks																
																Manufacture of measuring, testing, navigating and control equipment																
8.2	10.4	10.0	10.1	12.1	10.8	6.9	2.0	3.1	2.0	0.3	0.2	0.3	-0.6	-0.4	-0.02	Manufacture of industrial process control equipment																
4.9	5.1	3.4	3.6	0.9	-3.1	-3.6	-5.3	-1.5	-1.6	-0.6	-1.1	-0.04	-0.8	-0.5	-0.5	Manufacture of watches and clocks and parts																
2.2	1.5	1.8	2.2	2.1	1.4	-7.8	-5.2	-2.1	-3.1	-3.4	-3.1	-6.6	-5.9	-6.3	-6.2	Manufacture of irradiation, electromedical and electrotherapeutic equipment																

Jadual
Table

1.5b : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
: Number of Paid Employees of Manufacturing Sector by Group: Annual Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2024
				Q1	Q2	Q3	Q4	Q1	(Jan. - Apr.)	
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-1.4	1.7	6.0	-1.4	3.9	1.7	-2.1	0.5	0.7
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	2.8	-1.6	3.2	2.4	0.8	-1.6	-3.5	3.1	-1.6
27101	Pembuatan motor elektrik, penjana dan transformer	-2.3	0.7	-1.0	-2.1	1.3	0.7	-0.5	-1.1	2.8
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	6.8	-3.2	6.6	5.9	0.5	-3.2	-5.7	6.4	-4.7
272/ 27200	Pembuatan bateri dan akumulator	8.3	-0.2	1.6	3.3	1.0	-0.2	1.8	1.8	2.6
273	Pembuatan pendawaian dan peranti pendawaian	-0.4	-2.3	1.6	-3.2	-1.1	-2.3	-1.3	1.7	-1.8
27310	Pembuatan kabel gentian optikal	4.4	4.6	1.3	1.0	-6.2	4.6	2.0	1.6	2.9
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	1.2	-3.9	3.2	-2.5	-0.2	-3.9	-2.1	3.1	-2.5
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-23.7	19.5	-17.8	-14.5	-9.5	19.5	7.7	-15.2	5.4
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-1.0	7.6	-0.5	-6.2	-3.4	7.6	10.6	-3.4	10.6
275/ 27500	Pembuatan perkakasan domestik	-3.1	-0.5	-1.2	1.2	0.4	-0.5	-0.8	-1.3	0.1
279/ 27900	Pembuatan kelengkapan elektrik lain	3.1	-1.4	1.9	-1.1	1.3	-1.4	-3.1	1.1	-2.2
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.6	-2.4	3.8	2.3	-0.1	-2.4	-2.2	2.7	-2.4
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-1.0	-15.9	2.1	5.5	-2.2	-15.9	-24.7	2.6	-24.1
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	-2.1	3.0	0.7	2.3	1.7	3.0	0.2	0.6	0.3
28192	Pembuatan jentera pembentukan logam dan alatan mesin									
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	15.3	-12.5	9.4	6.7	-6.3	-12.5	-12.7	9.8	-10.0
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l.	-2.8	-9.4	-3.9	-1.2	-9.0	-9.4	-10.4	-3.2	-12.0
	Industri lain	6.3	0.8	6.1	1.7	2.5	0.8	4.5	3.7	3.6
291 (29101 & 29102)	Pembuatan kenderaan bermotor	4.5	1.3	0.4	0.6	2.2	1.3	0.8	1.7	1.0
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	12.8	18.8	13.5	10.2	21.7	18.8	10.8	11.4	10.1
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2.1	-1.7	1.9	0.8	-1.5	-1.7	-5.6	1.3	0.9
301 (30110 & 30120)	Pembinaan kapal dan bot	8.5	9.5	7.2	8.4	10.0	9.5	6.7	7.5	6.6
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	2.6	-1.5	-0.1	-1.1	-3.4	-1.5	-2.0	-0.6	-0.6
30910	Pembuatan motosikal	3.4	10.0	4.6	3.3	9.2	10.0	5.4	4.1	8.6
30920	Pembuatan basikal dan <i>invalid carriages</i>	7.5	-54.4	-5.5	-14.2	-51.0	-54.4	-54.2	-6.7	-54.0
	Industri lain	0.8	1.9	-2.6	-1.4	-2.0	1.9	3.3	-2.9	3.5
310	Pembuatan perabot	0.6	6.1	0.5	1.0	3.0	6.1	5.1	0.4	5.7
31001	Pembuatan perabot kayu dan rotan	0.6	6.2	-0.3	0.1	3.2	6.2	4.9	-0.2	5.3
	Industri lain	0.5	5.7	3.1	3.9	2.6	5.7	6.0	2.4	6.9
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	3.3	1.6	14.5	10.2	4.1	1.6	-6.2	11.2	-6.6
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	3.6	3.5	2.1	0.9	4.4	3.5	4.0	0.8	4.4
32901	Pembuatan alat tulis	-2.2	-1.5	-1.2	-2.9	-0.2	-1.5	-1.0	-2.0	-0.4
	Industri lain	5.4	5.0	3.1	2.0	5.7	5.0	5.5	1.6	5.7
323/ 32300	Pembuatan barangan sukan	2.1	-22.6	-1.1	-0.9	-18.6	-22.6	-9.1	-1.9	-6.7
324/ 32400	Pembuatan permainan dan mainan	8.2	-4.8	2.3	-0.8	-7.6	-4.8	-1.7	3.9	-1.8
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	2.1	3.6	1.7	1.3	4.2	3.6	1.9	1.4	1.1
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	4.5	5.3	9.2	8.9	10.6	5.3	3.8	10.5	2.1
	Industri lain	1.6	3.3	0.3	-0.1	3.0	3.3	1.6	-0.3	0.9
Jumlah Pembuatan		3.4	1.7	2.8	2.1	2.4	1.7	0.5	2.5	1.0

2023						2024										Group Description/Period				
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.					
7.5	5.0	6.0	0.5	1.6	-1.4	-1.0	2.4	3.9	3.1	3.4	1.7	-5.7	-4.0	-2.1	0.7	Manufacture of optical instruments, photographic equipment, magnetic and optical media				
2.7	2.6	3.2	3.1	2.5	2.4	2.4	1.6	0.8	0.0	-0.5	-1.6	-2.0	-3.1	-3.5	-1.6	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus				
-1.3	-1.3	-1.0	-1.1	-1.9	-2.1	-0.7	1.8	1.3	1.1	1.5	0.7	-1.6	-1.1	-0.5	2.8	Manufacture of electric motors, generators and transformers				
5.8	5.7	6.6	6.4	6.0	5.9	4.8	1.5	0.5	-0.8	-1.9	-3.2	-2.2	-4.6	-5.7	-4.7	Manufacture of electricity distribution and control apparatus				
8.2	1.4	1.6	1.8	5.9	3.3	4.1	3.4	1.0	0.5	0.2	-0.2	-0.1	1.9	1.8	2.6	Manufacture of batteries and accumulators				
-0.6	2.7	1.6	1.7	-3.0	-3.2	-2.6	-3.0	-1.1	-1.8	-3.9	-2.3	0.1	-2.0	-1.3	-1.8	Manufacture of wiring and wiring devices				
5.9	6.3	1.3	1.6	1.3	1.0	-3.9	-6.0	-6.2	-3.3	6.8	4.6	3.6	2.6	2.0	2.9	Manufacture of fibre optic cables				
0.6	4.3	3.2	3.1	-2.3	-2.5	-1.3	-2.1	-0.2	-1.2	-3.9	-3.9	-0.8	-3.1	-2.1	-2.5	Manufacture of other electronic and electric wires and cables				
-18.6	-18.6	-17.8	-15.2	-14.1	-14.5	-17.8	-12.8	-9.5	-8.2	-9.8	19.5	11.7	11.3	7.7	5.4	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material				
-2.8	-4.8	-0.5	-3.4	-4.6	-6.2	-6.8	-2.1	-3.4	-2.1	7.4	7.6	10.4	10.0	10.6	10.6	Manufacture of electric lighting equipment				
-3.2	-2.4	-1.2	-1.3	2.3	1.2	1.2	1.8	0.4	-2.0	1.2	-0.5	-0.3	-1.6	-0.8	0.1	Manufacture of domestic appliances				
3.6	3.8	1.9	1.1	0.1	-1.1	-0.6	0.3	1.3	0.2	-1.8	-1.4	-2.2	-2.8	-3.1	-2.2	Manufacture of other electrical equipment				
3.4	3.2	3.8	2.7	2.0	2.3	0.4	0.2	-0.1	-0.8	-0.7	-2.4	-2.3	-2.1	-2.2	-2.4	Manufacture of general-purpose and special-purpose machinery				
3.3	3.5	2.1	2.6	3.3	5.5	4.1	-2.2	-2.2	-1.9	-3.1	-15.9	-24.1	-24.9	-24.7	-24.1	Manufacture of fluid power equipment				
																Manufacture of other pumps, compressors, taps and valves				
																Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives				
-2.0	-1.9	0.7	0.6	-0.1	2.3	2.5	1.2	1.7	1.9	2.7	3.0	4.4	5.7	0.2	0.3	Manufacture of metal-forming machinery and machine tools				
11.6	11.7	9.4	9.8	7.0	6.7	-5.4	-6.8	-6.3	-7.4	-10.2	-12.5	-13.0	-14.0	-12.7	-10.0	Manufacture of air-conditioning machines, including for motor vehicles				
-3.4	-3.3	-3.9	-3.2	-2.0	-1.2	-0.6	-10.5	-9.0	-9.4	-8.6	-9.4	-10.1	-10.9	-10.4	-12.0	Manufacture of other special-purpose machinery				
5.9	5.4	6.1	3.7	2.8	1.7	0.1	3.9	2.5	1.1	1.6	0.8	2.1	2.3	4.5	3.6	Other industry				
4.0	0.7	0.4	1.7	4.1	0.6	1.0	2.0	2.2	2.8	2.7	1.3	1.8	3.8	0.8	1.0	Manufacture of motor vehicles				
13.0	13.6	13.5	11.4	11.7	10.2	12.6	23.7	21.7	22.3	23.1	18.8	16.2	10.3	10.8	10.1	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers				
1.5	1.7	1.9	1.3	1.4	0.8	1.3	-1.4	-1.5	-1.7	-1.9	-1.7	-1.1	-2.8	-5.6	0.9	Manufacture of parts and accessories for motor vehicles				
9.6	10.1	7.2	7.5	8.6	8.4	8.1	8.5	10.0	6.6	8.1	9.5	7.3	6.9	6.7	6.6	Building of ships and boats				
0.7	-0.2	-0.1	-0.6	-0.6	-1.1	0.2	-2.5	-3.4	-1.9	-2.0	-1.5	-2.0	-2.4	-2.0	-0.6	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c				
3.7	3.8	4.6	4.1	3.0	3.3	11.6	8.2	9.2	11.3	10.6	10.0	6.5	5.1	5.4	8.6	Manufacture of motorcycles				
-2.7	-4.4	-5.5	-6.7	-10.5	-14.2	-26.1	-43.7	-51.0	-54.1	-55.2	-54.4	-53.9	-53.9	-54.2	-54.0	Manufacture of bicycles and invalid carriages				
-1.0	-2.4	-2.6	-2.9	-0.9	-1.4	-2.3	-1.1	-2.0	0.2	0.8	1.9	2.8	3.0	3.3	3.5	Other industry				
0.8	0.7	0.5	0.4	1.3	1.0	2.5	3.1	3.0	4.8	5.7	6.1	4.6	5.0	5.1	5.7	Manufacture of furniture				
0.0	0.0	-0.3	-0.2	0.6	0.1	2.1	3.5	3.2	4.8	5.1	6.2	4.2	4.8	4.9	5.3	Manufacture of wooden and cane furniture				
3.6	2.7	3.1	2.4	3.8	3.9	3.7	1.7	2.6	4.8	7.5	5.7	5.8	5.7	6.0	6.9	Other industry				
8.6	9.1	14.5	11.2	11.8	10.2	4.0	3.0	4.1	3.4	1.8	1.6	-4.8	-9.3	-6.2	-6.6	Manufacture of jewellery, bijouterie and related articles				
2.9	2.3	2.1	0.8	1.1	0.9	4.0	4.1	4.4	5.1	4.9	3.5	3.3	4.4	4.0	4.4	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.				
-1.2	-3.6	-1.2	-2.0	-2.0	-2.9	-3.6	-0.5	-0.2	-0.2	-0.3	-1.5	-3.8	-1.1	-1.0	-0.4	Manufacture of stationery				
4.2	4.2	3.1	1.6	2.0	2.0	6.3	5.4	5.7	6.7	6.5	5.0	5.4	6.0	5.5	5.7	Other industry				
-1.7	-2.3	-1.1	-1.9	-2.2	-0.9	-1.3	-17.6	-18.6	-20.9	-18.0	-22.6	-18.5	-15.1	-9.1	-6.7	Manufacture of sports goods				
5.7	2.4	2.3	3.9	2.4	-0.8	-14.4	-6.2	-7.6	-6.2	-6.5	-4.8	-3.8	-3.1	-1.7	-1.8	Manufacture of games and toys				
2.2	2.4	1.7	1.4	1.6	1.3	3.0	4.3	4.2	3.5	3.4	3.6	2.3	1.8	1.9	1.1	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment				
9.9	11.8	9.2	10.5	8.6	8.9	9.5	12.0	10.6	8.4	7.6	5.3	0.7	1.4	3.8	2.1	Repair and maintenance of transport equipment except motorcycles and bicycles				
0.7	0.6	0.3	-0.3	0.3	-0.1	1.8	2.8	3.0	2.6	2.6	3.3	2.6	1.9	1.6	0.9	Other industry				
3.0	3.3	2.8	2.5	2.6	2.1	1.7	2.0	2.4	2.5	2.1	1.7	1.3	0.6	0.5	1.0	Total Manufacturing				

Jadual **1.5c** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1		Jan.	Feb.	Mac	Apr.	Mei
101	Pemprosesan dan pengawetan daging	1.8	3.3	3.9	-1.3	2.1		2.9	-0.3	-0.8	3.4	0.2
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	3.8	-0.3	0.5	-0.4	1.6		1.7	2.6	-0.6	-0.5	0.2
	10201 Pengetinan ikan, krustasea dan moluska &											
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	3.8	-1.0	-0.1	-0.5	1.1		1.7	2.7	-0.6	-0.7	0.3
	Industri lain	3.5	3.5	3.6	-0.2	4.1		2.0	2.0	-0.5	0.8	0.02
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	5.8	2.8	-3.3	-3.3	6.5		3.5	2.3	-0.2	0.5	2.8
	10303 Pengetinan nanas &											
	10304 Pembuatan jem, marmalad dan sajian jeli	-8.3	-1.5	1.8	-0.02	2.4		-8.9	0.4	0.2	-0.4	0.6
	Industri lain	6.7	3.1	-3.6	-3.5	6.8		4.3	2.5	-0.2	0.6	2.9
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	1.4	0.3	4.4	0.4	-0.7		0.7	0.9	-0.2	-0.6	0.3
	10404 Pembuatan minyak sayuran mentah dan bertapis &											
	10406 Pembuatan sebatian lemak masakan	1.8	0.4	7.8	0.3	2.8		0.9	0.2	0.7	-0.6	0.4
	10405 Pembuatan minyak kelapa	0.6	0.0	3.0	-0.1	1.4		0.3	0.0	0.3	-0.1	0.1
	Industri lain	1.4	0.3	4.3	0.5	-0.9		0.7	1.0	-0.2	-0.6	0.3
105	Pembuatan produk tenusu	0.3	-0.6	3.6	0.8	1.9		0.5	-0.2	0.03	0.5	-1.4
	10502 Pembuatan susu pekat, tepung dan sejat	0.04	-1.21	2.82	0.3	3.4		0.4	-0.2	-0.2	1.6	-2.6
	Industri lain	1.1	0.8	5.6	2.3	-1.7		0.7	-0.1	0.6	-2.3	2.0
106	Pembuatan produk bijian, kanji dan produk berkanji	1.3	-0.7	2.2	0.3	-1.8		0.5	1.5	-0.7	-1.0	0.5
	10611 Pengilangan beras	2.1	-2.2	1.7	0.2	0.7		0.9	1.9	-0.7	-1.8	0.6
	10613 Pengilangan tepung	1.8	0.7	3.1	0.4	-4.4		0.1	2.3	-0.5	-0.3	0.4
	Industri lain	-6.1	0.2	0.5	-0.2	-2.2		0.3	-4.6	-1.8	0.2	0.7
107	Pembuatan produk makanan lain	2.0	0.8	4.9	1.0	0.2		1.8	0.6	-0.4	0.9	0.2
	10711 Pembuatan biskut dan cookies	1.8	-1.0	1.6	0.4	-3.1		2.3	1.5	-2.0	-0.5	-0.1
	10712 Pembuatan roti, kek dan produk bakeri lain	1.7	1.3	3.8	1.1	-0.6		0.9	0.3	0.5	1.5	-0.4
	10713 Pembuatan produk snek	0.1	1.2	2.7	4.5	-0.4		0.2	0.4	-0.4	0.5	0.8
	10721 Pembuatan gula	0.9	1.3	5.3	-2.2	-0.4		0.2	0.0	0.8	0.6	1.1
	10731 Pembuatan produk koko	-1.6	3.6	0.9	0.3	-2.8		0.1	1.1	-2.7	-0.1	2.9
	10732 Pembuatan coklat dan produk coklat &											
	10733 Pembuatan konfeksi gula	0.8	0.4	7.7	0.8	0.6		3.3	-1.9	-0.5	0.8	-0.1
	10793 Pembuatan sos dan bahan perasa	2.9	0.2	6.6	5.8	3.2		2.0	0.1	0.8	0.4	-0.6
	10799 Pembuatan produk makanan lain t.t.t.l.	2.3	4.4	14.7	-2.1	2.4		3.3	-0.6	-0.4	4.7	1.3
	Industri lain	2.9	-0.5	2.5	0.6	0.4		1.8	1.8	-0.7	-0.2	0.3
108/ 10800	Pembuatan makanan haiwan tersedia	0.2	-2.7	-6.1	-4.2	2.1		0.2	0.4	-0.4	-3.1	0.04
110	Pembuatan minuman ringan	2.4	0.6	-1.6	1.2	1.9		1.3	0.8	0.3	0.4	0.2
	11041 Pembuatan minuman ringan	1.2	1.0	-2.2	1.0	1.6		-0.05	0.9	0.3	0.6	0.1
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	7.0	-0.6	-1.6	0.2	3.3		5.6	0.1	1.3	0.0	0.3
	Industri lain	0.03	0.9	2.4	4.6	1.1		-0.2	1.8	-1.6	0.4	0.3
120/ 12000	Pembuatan produk tembakau	17.5	-13.4	1.4	-0.9	5.7		5.2	11.4	0.3	-12.0	-0.6
131	Pemintalan, penenunan dan penyiapan tekstil	1.7	-0.5	1.6	-1.6	2.0		1.1	-0.7	1.3	-0.5	1.1
	13110 Penyediaan dan pemintalan gentian tekstil &											
	13120 Penenunan tekstil	2.4	-0.7	3.2	-1.6	2.9		1.2	-1.0	2.2	-0.2	0.3
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-1.9	0.3	-2.5	-0.5	-0.7		-0.3	-0.8	-0.8	-0.4	2.3
	Industri lain	19.4	-3.5	4.0	-9.3	4.9		11.4	4.0	3.1	-5.3	5.1
139	Pembuatan tekstil lain	0.2	2.2	0.03	-0.5	-1.6		0.6	-1.0	0.6	1.2	1.3
	13910 Pembuatan fabrik dikait dan dikrusye	-3.0	0.7	-1.1	-1.1	-2.2		-0.3	-0.3	-2.4	1.3	0.1
	Industri lain	2.2	3.2	0.7	-0.2	-1.2		1.1	-1.4	2.5	1.1	2.0
141	Pembuatan pakaian, kecuali pakaian berbulu	0.7	0.2	-2.0	3.7	1.6		0.6	-0.1	0.2	0.2	0.5
	14102 Pembuatan pakaian	0.6	-0.3	-2.3	4.7	2.2		1.1	-0.9	0.4	-0.2	0.6
	Industri lain	1.0	1.6	-1.0	0.9	-0.2		-0.7	2.0	-0.2	1.3	0.0
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	8.1	-0.2	2.5	-1.9	0.6		2.5	3.5	1.9	0.0	0.4
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	3.2	-4.7	2.7	-1.6	-2.2		1.7	1.4	0.2	-2.9	0.3
152	Pembuatan kasut	3.9	1.3	-0.9	0.8	2.0		3.1	2.4	-1.6	-0.3	1.1
	15201 Pembuatan kasut kulit &											
	15203 Pembuatan kasut getah	0.3	-2.5	-0.2	1.6	0.3		3.9	-1.4	-2.1	-1.8	-0.7
	Industri lain	8.4	5.8	-1.5	-0.03	3.8		2.0	7.3	-1.0	1.5	3.3
161/ 16100	Pengilangan dan pengetaman kayu	0.5	-2.4	0.04	-0.8	-0.7		2.5	-0.04	-1.9	-1.9	1.6

2024											Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
-0.4	-1.6	0.4	5.1	0.4	-0.1	-1.6	1.1	0.6	0.3	-0.5	Processing and preserving of meat
-0.05	0.5	-1.6	1.6	-0.4	-0.8	0.8	2.7	-0.4	-0.7	1.3	Processing and preserving of fish, crustaceans and molluscs
											Canning of fish, crustaceans and molluscs
-0.5	1.5	-3.2	1.7	0.1	-1.5	0.9	2.7	-0.9	-0.7	1.4	Processing, curing and preserving of fish, crustacean and molluscs
2.7	-5.1	7.7	1.4	-2.9	2.8	0.1	2.7	2.1	-0.7	0.8	Other industry
-0.4	-1.0	-4.7	2.4	0.0	-1.6	-1.7	3.7	2.0	0.7	-0.5	Processing and preserving of fruits and vegetable
											Pineapple canning
-1.6	3.3	-2.4	1.0	0.3	-0.9	0.5	-4.1	10.0	-2.9	0.7	Manufacture of jams, marmalades and table jellies
-0.4	-1.2	-4.9	2.5	-0.02	-1.7	-1.8	4.2	1.6	0.9	-0.5	Other industry
0.5	1.1	0.7	2.5	0.5	-0.04	-0.01	-0.1	-0.4	-0.1	0.3	Manufacture of vegetable and animal oils and fats
											Manufacture of crude and refined vegetable oil
0.6	0.5	6.3	0.9	0.3	-0.1	0.1	-1.2	3.7	0.3	1.9	Manufacture of compound cooking fats
0.0	-0.6	1.6	2.0	0.0	-0.4	0.3	1.4	0.1	-0.1	0.0	Manufacture of coconut oil
0.5	1.2	0.4	2.6	0.5	-0.03	-0.03	-0.1	-0.7	-0.1	0.2	Other industry
0.2	0.6	1.2	1.7	0.1	0.6	0.2	1.1	-0.6	1.5	0.1	Manufacture of dairy products
-0.2	0.8	1.1	0.9	-0.3	0.3	0.3	2.1	-0.9	2.3	-0.1	Manufacture of condensed, powdered and evaporated milk
1.2	0.2	1.6	3.7	1.2	1.3	-0.3	-1.4	0.05	-0.4	0.8	Other industry
-0.2	-0.2	-1.9	4.4	-0.1	0.3	-0.02	0.7	-2.3	-0.2	-0.6	Manufacture of grain mill products, starches and starch products
-0.9	-0.4	-3.0	5.2	0.0	0.8	-0.6	1.7	0.5	-1.4	-0.8	Rice milling
0.6	-0.2	-0.5	3.9	0.1	-0.3	0.6	0.05	-5.5	1.1	-0.3	Flour milling
-0.6	1.4	-3.3	2.4	-1.5	1.0	0.3	-2.0	-0.4	0.2	-1.5	Other industry
-0.3	1.0	2.1	1.7	0.9	-0.1	0.2	1.1	-0.4	-0.5	0.7	Manufacture of other food products
-0.4	0.3	0.5	0.8	-0.4	0.4	0.3	0.4	-1.1	-2.4	-0.1	Manufacture of biscuits and cookies
0.2	3.4	-1.1	1.5	1.2	-0.1	0.1	0.6	0.1	-1.4	3.2	Manufacture of bread, cakes and other bakery products
-0.1	-1.2	2.6	1.3	0.7	2.0	1.8	1.7	-1.6	-0.5	-0.1	Manufacture of snack products
-0.4	0.1	4.3	0.8	0.4	-2.5	-0.1	0.2	0.2	-0.8	-0.2	Manufacture of sugar
0.8	0.1	-0.5	1.3	0.8	-0.3	-0.2	0.3	-0.2	-2.9	-1.5	Manufacture of cocoa products
											Manufacture of chocolate and chocolate products
-0.3	1.7	5.2	0.7	0.9	0.8	-0.9	1.5	-0.6	-0.3	-0.8	Manufacture of sugar confectionery
0.4	-0.8	5.9	1.4	0.9	5.4	-0.5	2.4	-0.2	1.1	0.2	Manufacture of sauces and condiments
-1.6	2.1	8.8	3.3	2.1	-4.9	0.9	2.5	0.3	-0.4	-0.3	Manufacture of other food products n.e.c.
-0.6	-0.1	0.8	1.9	0.8	-0.2	0.03	0.7	-0.7	0.4	0.2	Other industry
0.4	-1.0	-3.8	-1.4	-0.9	1.0	-4.3	1.7	0.1	0.2	0.1	Manufacture of prepared animal feeds
-0.1	0.5	-2.4	0.4	0.5	-0.4	1.1	1.4	0.02	0.5	0.9	Manufacture of beverages
0.2	0.5	-3.1	0.4	0.3	-0.1	0.8	0.8	-0.2	0.9	1.0	Manufacture of soft drinks
-0.9	0.4	-2.2	0.2	1.0	-1.2	0.4	3.6	0.1	-0.3	0.3	Production of natural mineral waters and other bottled waters
0.2	0.5	1.0	0.8	0.6	-0.5	4.5	-0.1	1.1	0.1	1.4	Other industry
-1.0	-2.2	-4.9	8.9	0.1	-0.7	-0.4	1.0	3.7	0.9	-5.7	Manufacture of tobacco products
-1.1	-1.4	2.7	0.3	-0.4	-0.5	-0.8	-0.4	-0.2	2.7	0.9	Spinning, weaving and finishing of textiles
											Preparation and spinning of textile fibres
-0.8	0.5	2.6	0.1	-0.5	-0.1	-1.0	-0.6	-0.2	3.7	1.7	Weaving of textiles
-1.6	-5.8	2.7	0.8	0.2	-0.4	-0.3	-0.1	-0.3	-0.2	-1.2	Dyeing, bleaching, printing and finishing of yarns and fabrics
-3.1	-1.8	4.4	1.5	-1.8	-8.5	0.9	1.3	0.0	3.6	0.0	Other industry
-0.2	-0.4	0.4	0.03	-0.2	-0.2	-0.2	1.4	-2.9	-0.1	0.1	Manufacture of other textiles
-0.7	-0.9	0.6	-0.8	-0.2	-0.2	-0.8	1.1	-3.6	0.3	0.3	Manufacture of knitted and crocheted fabrics
0.1	-0.04	0.3	0.5	-0.2	-0.2	0.2	1.6	-2.4	-0.3	-0.03	Other industry
-0.4	-1.3	-1.6	0.9	-1.0	4.2	0.5	0.9	0.2	0.4	-0.4	Manufacture of wearing apparel, except fur
-0.7	-1.4	-1.9	1.0	-0.6	4.7	0.7	1.3	0.3	0.7	-0.6	Manufacture of clothings
0.3	-0.8	-0.7	0.5	-1.9	2.9	0.0	0.1	-0.03	-0.3	0.2	Other industry
-0.6	-0.6	2.5	0.6	-6.4	5.8	-0.9	0.7	-0.2	0.1	2.5	Manufacture of articles of fur, knitted and crocheted apparel
											Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-2.2	-1.3	1.4	2.7	0.6	-0.7	-1.4	-0.6	-0.4	-1.2	-0.3	
0.5	-0.6	-1.7	1.4	1.8	-0.5	-0.4	1.6	1.2	-0.8	-0.3	Manufacture of footwear
											Manufacture of leather footwear
0.1	-0.6	-0.03	0.4	1.7	0.3	-0.4	2.9	-0.6	-1.9	-1.2	Manufacture of rubber footwear
0.9	-0.5	-3.4	2.5	1.9	-1.5	-0.4	0.1	3.4	0.3	0.6	Other industry
-2.0	-1.0	1.7	-0.7	0.6	0.5	-1.9	-1.0	-1.2	1.5	0.2	Sawmilling and planning of wood

Jadual
Table **1.5c** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024	2023				
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-1.8	0.5	0.9	1.7	-2.9	-0.1	1.0	-2.6	-0.3	2.1
16211	Pembuatan kepingan venier dan papan lapis	-2.6	0.5	2.9	2.3	-4.5	-1.0	1.0	-2.5	-1.0	3.3
16212	Pembuatan papan partikel dan papan gentian	-1.2	3.4	8.4	-2.2	0.7	-2.3	1.8	-0.7	-1.3	4.7
16221	Pertukangan kayu untuk jurubina	-1.7	0.03	-9.3	-0.01	-0.2	1.3	1.5	-4.4	1.2	-0.2
	Industri lain	0.2	-0.9	-0.3	3.2	-2.0	2.3	-0.01	-2.0	1.1	-0.4
170	Pembuatan kertas dan produk kertas	1.1	-2.8	1.7	1.2	1.0	0.3	1.0	-0.2	-1.2	-1.4
17010	Pembuatan pulpa, kertas dan kertas tebal	0.8	-9.2	1.3	5.3	2.8	0.1	1.5	-0.8	0.2	-9.4
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	0.1	-2.2	0.3	0.4	-0.4	-0.5	0.7	-0.1	-2.4	0.2
17091	Pembuatan sampul surat dan kad surat	5.7	-1.1	0.5	-0.8	-2.7	3.1	3.0	-0.5	-1.6	1.4
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-0.9	-1.9	8.1	0.02	-0.1	0.8	-0.8	-0.9	-0.5	-0.02
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	4.8	-0.6	-4.2	0.2	5.0	0.4	4.2	0.2	0.2	-0.7
	Industri lain	3.4	-0.4	4.5	2.1	1.8	2.3	0.1	1.0	-0.9	0.4
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	0.3	-1.9	-0.04	3.4	-4.1	0.2	-0.5	0.6	-1.0	1.1
18110	Percetakan	0.3	-1.2	0.03	3.2	-4.4	0.2	-0.7	0.9	-0.4	1.4
18120 &	Aktiviti perkhidmatan berkaitan percetakan										
18200	Penerbitan semula media rakaman	0.1	-5.1	-0.4	4.4	-2.4	0.3	0.2	-0.5	-3.9	-0.4
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	3.8	-1.8	0.3	1.5	1.9	-0.2	1.2	2.8	-1.3	-0.2
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	4.0	-2.0	-2.9	1.3	3.0	1.6	1.1	1.3	-3.1	0.8
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	8.8	-2.5	0.6	2.2	7.7	3.0	0.2	5.5	-5.7	4.1
20112 &	Pembuatan kimia organik asas										
20113	Pembuatan sebatian bukan organik	2.7	-2.3	-3.3	1.1	2.2	0.4	1.1	1.1	-3.5	0.3
20121 &	Pembuatan baja										
20129	Pembuatan produk campuran nitrogen	9.2	-4.4	-9.5	-0.4	2.7	3.5	4.1	1.3	-5.0	0.4
20131	Pembuatan plastik dalam bentuk primer	0.1	0.2	-0.4	2.1	1.9	1.4	-0.9	-0.3	-0.2	-0.2
	Industri lain	5.3	-0.1	-0.2	1.5	3.5	2.7	2.5	0.1	-1.0	1.5
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	1.3	-4.0	-0.8	0.9	0.9	0.0	-0.4	1.7	-2.1	-0.9
20210	Pembuatan racun perosak dan produk agrokimia lain	5.8	-2.6	6.5	3.8	1.2	2.1	1.8	1.7	-1.1	0.4
20221	Pembuatan cat, varnis dan penyadur dan mastik	5.5	-3.2	-2.4	1.9	5.7	4.1	-4.5	6.1	-3.2	0.2
20222	Pembuatan dakwat cetak	5.4	0.3	-1.7	0.7	2.4	1.4	-0.1	4.0	0.1	0.1
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap										
20232	Pembuatan pewangi dan penyediaan dandanan diri	-1.8	-8.2	1.0	1.4	-0.8	-3.0	1.0	0.3	-3.6	-3.1
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials										
20292 &	Pembuatan dakwat menulis dan melukis										
20299	Pembuatan produk kimia lain t.t.t.l.	0.3	-0.8	-2.6	-1.0	-0.7	0.7	-0.5	0.2	-0.7	0.4
	Industri lain	12.0	-3.9	-31.9	-7.5	5.5	-1.7	9.8	3.8	-0.8	-0.3
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-1.6	3.8	4.9	-4.5	-2.3	-1.9	0.4	-0.1	5.4	-1.2
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-2.8	4.8	4.4	-4.9	-3.9	-3.3	0.3	0.2	8.7	-2.7
	Industri lain	1.5	1.4	6.2	-3.6	1.5	1.5	0.7	-0.6	-2.1	2.8
221	Pembuatan produk getah	-0.6	-5.4	2.9	-0.8	-1.7	-1.5	0.3	0.6	-0.8	-1.6
22111	Pembuatan tayar getah untuk kenderaan	1.8	4.6	-4.6	0.9	-0.4	0.4	1.0	0.4	7.3	-0.2
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2.2	-2.6	6.5	5.6	0.1	0.3	2.7	-0.7	-0.4	-0.9
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan										
22193	Pengilangan semula getah dan prosesan susu getah	5.7	2.2	-3.0	-0.4	2.4	2.2	3.0	0.4	2.1	0.3
2024	22192 Pembuatan sarung tangan getah	-3.9	-8.1	4.1	-1.0	-3.4	-4.4	-0.7	1.2	-2.6	-2.1
	22199 Pembuatan produk getah lain yang t.t.t.l.	1.5	-7.0	5.8	-1.4	-1.4	1.7	0.2	-0.4	-0.8	-2.0
222	Pembuatan produk plastik	0.4	0.9	1.3	0.7	-0.3	0.3	0.3	-0.2	1.1	0.2
22201	Pembuatan produk plastik separa siap										
&											
22202	Pembuatan produk plastik siap	-1.0	3.4	-0.1	-0.7	-1.3	-0.2	0.2	-1.0	4.2	0.4
22203	Pembuatan artikel plastik untuk pembungkusan barangan	0.8	0.8	3.8	0.3	-0.2	0.2	1.0	-0.4	0.8	0.05
22204	Pembuatan barangan plastik jurubina	1.2	-0.2	0.5	-1.1	0.9	1.3	0.3	-0.4	-0.5	0.6
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	4.3	-1.0	-0.02	-2.5	3.4	2.1	1.4	0.8	-1.1	0.6
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-0.2	-0.3	0.3	3.1	-0.7	0.2	-0.7	0.3	-0.2	0.04
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	0.4	0.5	-0.1	-1.7	1.6	0.3	0.3	-0.2	0.03	1.1

(%)

2024											Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
-1.4	0.1	0.0	0.8	0.9	1.3	-0.5	-0.8	0.1	-2.3	1.2	Manufacture of products of wood, cork, straw and plaiting materials
-1.7	1.6	-1.0	2.2	0.9	1.9	-0.5	-1.8	0.2	-3.0	0.6	Manufacture of veneer sheets and plywood
0.2	-0.1	13.8	-4.6	-0.3	-1.2	-0.6	-0.6	2.3	-1.0	0.1	Manufacture of particle board and fibreboard
-1.0	-2.1	-5.8	-1.7	0.5	-0.02	-0.5	0.9	-0.5	-0.7	-0.3	Manufacture of builders' carpentry
-1.5	-2.4	0.5	1.6	1.8	1.7	-0.3	0.8	-0.9	-1.9	4.7	Other industry
-0.3	-0.9	0.9	1.7	1.3	-0.4	0.2	0.3	0.8	-0.1	-1.3	Manufacture of paper and paper products
-0.04	-0.1	2.1	-0.7	1.4	-0.1	4.0	3.2	0.3	-0.6	-0.2	Manufacture of pulp, paper and paperboard
0.04	-1.3	-0.8	2.4	1.1	-0.1	-0.7	-0.8	0.4	-0.01	-2.7	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-0.9	0.4	-0.6	0.6	0.4	-0.2	-1.1	0.3	0.0	-3.0	-1.7	Manufacture of envelopes and letter-card
-1.4	-1.6	6.3	3.3	1.4	-0.8	-0.6	0.2	0.2	-0.5	-0.3	Manufacture of household and personal hygiene paper
-0.04	-0.5	-3.0	-0.7	1.2	-0.8	-0.2	0.4	4.3	0.3	0.2	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
0.04	0.2	1.6	2.6	2.1	-0.6	0.7	0.5	-0.1	1.4	-1.3	Other industry
-2.0	-0.1	0.5	-0.4	1.8	1.1	0.5	-3.8	-0.02	-0.3	-0.7	Printing, service activities related to printing and reproduction of recorded media
-2.2	-0.2	0.4	-0.2	1.3	1.4	0.5	-4.2	-0.1	-0.2	-1.0	Printing
-0.8	0.3	1.0	-1.7	4.2	-0.5	0.7	-2.0	0.3	-0.7	0.4	Service activities related to printing
											Reproduction of recorded media
-0.3	0.3	0.8	-0.8	1.2	0.2	0.1	-1.2	1.5	1.7	-1.5	Manufacture of refined petroleum products
0.4	-3.8	1.3	-0.4	1.7	-0.04	-0.4	1.1	0.7	1.2	0.8	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-0.6	-0.3	0.2	0.7	2.0	0.3	-0.04	3.2	-0.2	4.6	0.2	Manufacture of liquefied or compressed inorganic industrial or medical gases
1.0	-4.4	1.2	-0.1	2.0	-0.8	-0.1	-0.05	1.1	1.2	0.8	Manufacture of basic organic chemicals
0.1	-7.6	0.5	-2.5	0.9	0.8	-2.1	2.3	-0.04	0.5	2.3	Manufacture of inorganic compounds
0.6	-1.8	2.1	-0.6	1.5	0.7	-0.1	0.8	1.0	0.1	0.3	Manufacture of fertilizers
-0.6	-4.4	3.2	1.2	2.4	-0.6	-0.2	2.2	0.4	0.8	0.3	Manufacture of associated nitrogen products
											Manufacture of plastics in primary forms
-1.0	0.9	-0.4	-1.3	1.0	0.6	-0.7	-0.2	0.3	0.8	-1.0	Other industry
-1.9	0.1	3.9	2.3	4.3	-0.1	-0.4	1.5	-0.6	0.3	0.6	Manufacture of other chemical products and man-made fibres
-0.3	-0.5	-0.4	-1.6	1.2	0.3	0.3	2.8	0.2	2.6	-3.8	Manufacture of pesticides and other agrochemical products
0.1	0.7	-1.0	-1.3	0.5	0.3	-0.1	0.7	-0.2	1.9	0.7	Manufacture of paints, varnishes and similar coatings ink and mastics
-1.7	2.4	0.4	-1.7	1.0	0.4	-0.1	-2.8	1.4	0.6	-0.6	Manufacture of printing ink
											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
-0.6	0.3	-1.6	-1.4	0.2	1.2	-2.4	0.5	-0.6	-0.6	-0.8	Manufacture of writing and drawing ink
											Manufacture of other chemical products n.e.c.
-2.8	-0.8	-24.9	-8.7	-7.5	0.3	-0.3	0.0	2.5	3.0	-2.1	Other industry
-0.4	1.9	2.5	0.5	0.4	-4.6	-0.4	-2.4	-0.01	0.1	4.3	Manufacture of pharmaceuticals, medicinal chemical and botanical products
-0.8	1.2	3.1	0.1	0.4	-5.1	-0.2	-3.4	-0.1	-0.4	5.9	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
0.7	3.6	1.1	1.4	0.5	-3.2	-0.8	-0.02	0.3	1.2	0.9	Other industry
-3.1	0.2	2.3	0.4	-0.2	-0.4	-0.2	-1.0	-0.2	-0.4	-1.0	Manufacture of rubber products
-2.3	6.2	-10.2	0.1	-0.3	1.6	-0.4	0.6	-0.7	-0.4	1.5	Manufacture of rubber tyres for vehicles
-1.3	0.9	2.6	2.8	1.9	7.8	-3.8	0.3	0.4	-0.6	-0.5	Manufacture of interchangeable tyre treads and retreading rubber tyres
-0.2	3.8	-4.9	-1.7	-0.6	-0.3	0.6	1.6	0.6	0.2	1.2	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
-3.6	-1.7	5.3	0.6	-0.4	-0.7	0.04	-3.0	0.1	-0.5	-2.8	Rubber remilling and latex processing
-4.3	-0.1	4.7	1.1	0.4	-1.0	-0.8	0.5	-1.2	-0.6	0.4	Manufacture of rubber gloves
-0.4	2.2	-1.0	0.2	0.0	0.8	-0.1	0.3	-0.4	-0.2	1.6	Manufacture of other rubber products n.e.c.
-1.2	-0.3	0.1	0.1	-0.2	-0.5	-0.03	-0.2	0.3	-1.3	3.4	Manufacture of plastics products
											Manufacture of semi-manufactures of plastic products
-0.1	2.3	0.0	1.4	0.2	-0.1	0.2	0.5	-0.3	-0.3	1.0	Manufacture of finished plastic products
-0.3	-0.4	-0.3	1.2	0.6	-1.4	-0.3	1.7	-0.8	0.0	1.2	Manufacture of plastic articles for the packing of goods
-0.4	-3.7	6.2	-2.3	-2.0	-0.4	-0.1	2.7	-0.1	0.8	-0.2	Manufacture of builders' plastics ware
-0.1	5.7	-4.7	-0.4	0.5	3.1	-0.5	-0.1	-1.1	0.5	1.4	Manufacture of plastic tableware, kitchenware and toilet articles
											Manufacture of diverse plastic products n.e.c.
-0.6	-4.3	4.0	0.4	-1.2	-0.3	-0.2	0.3	0.7	0.7	1.0	Manufacture of glass and glass products

Jadual **1.5c** : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024	2023				
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-2.0	2.0	2.5	0.03	-4.3	0.5	-2.3	-0.2	0.5	0.7
23911 & 23921	Pembuatan mortar refraktori dan konkrit Pembuatan seramik bukan refraktori	-6.9	0.1	-0.5	-0.9	-8.1	-5.0	-1.6	-0.4	-0.4	-0.5
23930	Pembuatan produk porselin dan seramik lain	-15.6	2.0	0.3	-1.4	-2.3	0.2	-15.4	-0.4	-1.0	3.4
23941	Pembuatan simen hidroauik	-2.1	-0.5	-0.5	4.1	-3.0	1.5	0.03	-3.5	-0.3	0.2
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-6.1	0.8	6.6	0.6	-5.4	1.0	-5.7	-1.4	-0.1	1.2
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; 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.	2.6	3.0	0.3	-1.9	-6.2	1.5	-0.5	1.7	1.1	0.6
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-1.5	3.2	6.9	3.4	-0.5	-1.2	0.7	-1.0	1.0	1.7
	Industri lain	3.8	3.5	6.0	0.8	2.5	4.1	-0.1	-0.1	1.3	-0.2
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-0.9	1.0	3.4	1.8	0.6	0.9	-3.2	1.5	0.01	0.8
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1.5	-3.0	-3.3	-1.1	0.2	0.5	2.4	-1.3	-0.5	-0.2
243	Pengacuan logam	6.3	-4.4	2.1	-2.1	4.0	3.5	3.4	-0.6	-2.5	-1.4
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.7	-2.3	1.2	1.8	1.0	-0.4	0.4	0.7	-1.5	1.1
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam Pembuatan produk struktur logam lain	0.1	-2.8	4.9	2.5	0.7	-0.8	0.4	0.6	-1.5	1.1
25120	Pembuatan tangki, takungan dan kontena daripada logam	0.8	-2.1	-6.5	-0.7	1.7	-0.2	0.7	0.3	-2.7	1.3
	Industri lain	3.3	0.04	-5.1	1.2	1.7	1.4	-0.2	2.0	-0.1	0.9
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.1	-2.1	4.2	1.2	1.4	1.1	1.0	0.05	-1.4	0.2
25910	Tempaan, tekanan, hentakan dan bentuk gelekan logam; serbuk metalurgi	-2.1	-4.4	7.5	-0.9	-2.6	0.8	-2.3	-0.4	-2.8	0.04
25920	Rawatan dan penyalutan logam; menggunakan mesin	7.4	-5.8	-10.8	0.1	5.4	1.0	3.3	2.9	-4.5	-0.5
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	1.9	-3.2	9.0	-1.3	3.9	3.5	0.0	-1.6	-4.3	0.2
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam Pembuatan bolt, skru, nat dan produk uliran seumpamanya	0.7	0.01	4.1	3.3	1.9	1.2	1.0	-1.5	0.5	0.3
25994	Pembuatan barangan rumah daripada logam	6.5	-0.6	0.9	6.9	-1.5	1.8	-0.1	4.7	1.3	-0.6
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	1.5	-1.1	4.8	2.5	0.9	0.5	2.1	-1.0	0.0	0.3
	Industri lain	7.4	1.2	11.7	0.3	3.8	0.9	3.8	2.5	0.4	1.0
261	Pembuatan komponen dan papan elektronik	0.7	2.8	-0.1	-1.4	-3.7	-0.8	1.2	0.3	1.9	0.7
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya Pembuatan litar elektronik bersepadu dengan pemasangan mikro	-0.1	1.9	0.3	-1.1	-3.2	-1.6	1.2	0.3	3.9	-1.4
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik Pembuatan papan litar bercetak Pembuatan komponen paparan	1.9	3.7	-0.7	-1.8	-4.8	0.2	1.4	0.3	-0.4	3.0
26109	Pembuatan komponen lain untuk aplikasi elektronik	-0.1	5.3	-0.5	-1.5	-0.5	-0.01	-0.04	-0.1	-0.3	4.8
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-4.1	0.2	-0.3	1.1	0.7	-4.6	0.2	0.3	-0.5	1.0
263/ 26300	Pembuatan peralatan komunikasi	-1.1	2.2	-1.7	1.0	-0.9	-0.6	-0.6	0.1	0.9	0.9
264/ 26400	Pembuatan peralatan elektronik pengguna	-2.8	0.6	9.8	-3.8	-1.8	-2.0	-0.7	-0.1	-1.7	1.9
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1.3	-0.01	-1.8	0.4	1.0	0.05	1.3	-0.02	-0.2	0.8
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan Pembuatan kelengkapan kawalan proses perindustrian	1.2	1.6	-3.0	0.4	0.7	0.3	1.3	-0.4	0.1	1.6
26520	Pembuatan jam tangan dan jam dan bahagiannya	1.5	-5.6	2.9	0.3	2.1	-1.0	1.0	1.4	-1.2	-2.2
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-0.5	0.5	-1.9	-1.2	-3.7	0.2	-1.0	0.4	-0.4	0.8

(%)

2024											Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
0.7	1.5	0.1	0.9	-0.3	0.8	-0.4	-2.4	-1.7	-0.2	0.7	Manufacture of non-metallic mineral products
											Manufacture of refractory mortars and concretes
1.0	-2.3	2.7	-0.8	-1.4	0.6	-0.1	-5.5	-1.9	-0.8	-0.6	Manufacture of non-refractory ceramic
-0.4	1.5	2.2	-3.3	-1.1	1.0	-1.3	-1.7	-1.7	1.1	-1.3	Manufacture of other porcelain and ceramic products
-0.4	3.7	-5.2	1.2	-0.2	4.3	-0.1	0.9	-0.3	-3.6	0.03	Manufacture of hydraulic cement
-0.3	3.1	0.2	3.2	-0.8	2.4	-1.0	0.2	-6.0	0.5	-0.04	Manufacture of ready-mix and dry-mix concrete and mortars
											Manufacture of precast concrete, cement or artificial stone articles for use in construction
1.2	0.3	-0.3	0.3	-0.5	-0.8	-0.6	-6.3	-0.4	0.6	1.9	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
											Manufacture of other articles of concrete, cement and plaster n.e.c.
0.5	5.7	-1.7	3.0	2.6	0.8	0.0	1.1	-0.2	-1.4	-0.3	Manufacture of other non-metallic mineral products n.e.c.
2.2	1.3	4.3	0.4	-0.5	0.9	0.4	2.7	-0.03	-0.1	1.7	Other industry
0.2	-0.3	1.5	2.2	1.1	0.4	0.3	0.9	-1.3	1.0	-0.2	Manufacture of basic iron and steel
-2.2	0.3	-3.1	-0.6	0.3	-1.5	0.1	1.2	-0.7	-0.3	-0.3	Manufacture of basic precious and other non-ferrous metals
-0.6	-0.1	2.2	0.1	1.0	-2.8	-0.3	2.6	2.0	-0.6	-0.2	Casting of metals
-1.8	-0.1	1.5	-0.1	-0.6	0.0	2.3	0.2	-0.4	1.2	-0.2	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
-2.4	0.6	5.5	-1.3	-0.7	-0.6	3.8	-0.4	-0.4	1.5	-0.02	Manufacture of metal doors, windows and their frames, shutters and gates
-0.6	-0.8	-9.5	4.2	-1.1	1.8	-1.4	1.8	0.2	-0.4	0.2	Manufacture of other structural metal products
-0.7	-2.7	-2.9	0.4	0.9	0.4	-0.05	1.2	-1.2	1.7	-1.6	Manufacture of tanks, reservoirs and containers of metal
-1.0	0.9	1.9	1.3	0.2	-0.3	1.3	1.1	-0.1	0.4	-0.7	Other industry
-1.7	3.1	3.4	0.8	0.04	-0.9	-0.1	-0.1	-2.9	0.4	-0.2	Manufacture of other fabricated metal products; metal working service activities
-1.0	-0.9	-9.4	-0.6	1.0	-0.8	-0.2	1.8	0.1	3.4	-4.5	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
0.9	1.1	8.5	-0.7	0.5	-1.6	-0.1	4.9	-1.8	0.9	-0.8	Treatment and coating of metals; machining
-0.8	1.7	-0.2	2.5	-0.2	-0.5	4.0	2.3	0.1	-0.4	-0.3	Manufacture of tins and cans for food products, collapsible tubes and boxes
-1.3	-0.04	-0.8	1.7	1.5	5.4	-0.1	-0.4	0.1	-1.2	-1.0	Manufacture of metal cable, plaited bands and similar articles
-1.4	-0.5	3.9	1.4	0.3	-0.6	2.7	0.4	0.3	0.3	0.5	Manufacture of bolts, screws, nuts and similar threaded products
-0.1	0.5	7.6	3.3	-0.5	1.2	-0.4	0.2	4.4	-0.7	-1.2	Manufacture of metal household articles
0.2	-2.4	1.3	1.0	-0.3	-0.6	-0.4	-1.4	-1.7	-0.6	1.2	Manufacture of any other fabricated metal products n.e.c.
-0.5	-1.8	2.0	0.2	-0.2	-0.4	-0.5	-1.5	-1.4	-0.3	1.6	Other industry
											Manufacture of electronic components and boards
											Manufacture of diodes, transistors and similar semiconductor devices
											Manufacture of electronic integrated circuits micro assemblies
											Manufacture of electrical capacitors and resistors
1.1	-3.5	0.8	2.1	-0.5	-0.9	-0.3	-1.6	-2.3	-1.0	1.0	Manufacture of printed circuit boards
0.8	-0.7	-0.5	0.7	-0.6	-0.7	-0.2	0.4	0.1	-0.9	-0.6	Manufacture of display components
-0.2	-0.6	-1.8	2.1	-0.2	1.5	-0.2	-0.4	0.3	0.7	-0.3	Manufacture of other components for electronic applications
0.4	-6.4	4.1	0.9	1.4	-0.2	-0.2	-0.8	-0.5	0.4	1.1	Manufacture of computers and peripheral equipment
0.4	-1.1	6.0	4.9	-1.8	-1.4	-0.6	-1.8	-0.3	0.3	-1.6	Manufacture of communication equipment
-0.6	-1.6	-2.5	2.4	-0.2	0.5	0.1	0.4	0.4	0.2	0.1	Manufacture of consumer electronics
-0.1	-2.0	-2.9	1.9	-0.2	0.5	0.2	0.5	0.4	-0.2	0.5	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
-2.3	-0.2	-1.0	4.2	-0.2	0.6	-0.1	0.1	0.2	1.7	-1.2	Manufacture of measuring, testing, navigating and control equipment
											Manufacture of industrial process control equipment
											Manufacture of watches and clocks and parts
0.1	-8.6	3.9	3.3	-0.7	-0.4	-0.1	-3.4	-0.3	0.02	-0.3	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual
Table

1.5c : Bilangan Pekerja Bergaji Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Number of Paid Employees of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024	2023				
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	2.8	-2.1	6.5	-5.1	-1.0	3.5	-1.0	0.4	-1.5	0.4
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	0.3	-2.7	3.2	-2.2	-1.7	0.5	-0.5	0.3	-2.2	-0.7
	27101 Pembuatan motor elektrik, penjana dan transformer	1.7	-3.8	4.9	-1.9	0.5	2.3	-0.6	0.1	-2.9	-0.2
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	-0.8	-2.0	2.0	-2.4	-3.3	-0.9	-0.4	0.4	-1.7	-1.1
272/ 27200	Pembuatan bateri dan akumulator	-0.7	-0.4	4.1	-3.0	1.2	0.02	-0.7	-0.1	-1.0	0.6
273	Pembuatan pendawaian dan peranti pendawaian	0.9	-3.1	2.0	-2.0	1.9	-0.5	2.0	-0.5	0.6	-3.6
	27310 Pembuatan kabel gantikan optikal	2.5	2.8	-1.4	0.7	-0.04	1.0	0.5	0.9	1.2	1.4
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	0.3	-3.7	1.8	-2.2	2.2	-1.1	2.2	-0.8	0.4	-4.0
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	10.3	2.6	5.9	-0.3	-0.6	7.9	0.0	2.2	2.9	-0.3
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-0.9	-1.9	9.9	0.7	1.9	-1.5	-2.2	2.9	-2.6	-0.8
275/ 27500	Pembuatan perkakasan domestik	5.1	0.9	-4.5	-1.7	4.7	0.4	0.2	4.5	-1.5	3.4
279/ 27900	Pembuatan kelengkapan elektrik lain	0.7	-1.9	0.8	-1.0	-1.0	1.1	-0.3	-0.1	-1.2	-0.5
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	0.8	1.4	-3.0	-1.6	1.0	0.7	1.1	-1.0	0.3	-0.6
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	4.9	0.8	-8.3	-13.2	-6.1	4.7	0.9	-0.7	-0.5	-0.2
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	3.6	2.1	-2.7	0.1	0.7	0.5	1.7	1.3	0.2	-0.6
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	2.1	-3.9	-8.7	-2.4	1.9	2.7	1.3	-1.9	-0.7	-2.6
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	2.3	2.4	-13.3	-0.2	1.2	1.0	1.4	-0.2	1.3	0.5
		-1.6	2.2	1.0	-0.7	2.0	-0.3	0.8	-2.1	0.5	-0.4
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-3.2	0.8	4.2	-0.4	-3.6	-0.3	-2.3	-0.6	-0.2	1.4
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	3.2	0.5	13.2	1.2	-3.7	0.3	4.3	-1.4	0.2	0.1
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	1.4	-0.3	-2.8	0.1	-2.6	0.4	0.6	0.4	-0.2	0.3
301 (30110 & 30120)	Pembinaan kapal dan bot	1.9	1.3	4.7	1.3	-0.7	3.0	0.2	-1.3	-1.2	1.6
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	1.9	-2.3	-1.3	0.2	1.4	1.5	-0.05	0.4	-1.2	-0.4
	30910 Pembuatan motosikal	6.2	-4.4	7.9	0.4	1.8	2.8	1.0	2.3	-2.8	-2.6
	30920 Pembuatan basikal dan invalid carriages	-6.5	-5.9	-42.6	-9.7	-5.9	-3.3	-2.1	-1.2	-0.4	-2.5
	Industri lain	0.4	0.5	-0.2	1.2	1.8	1.6	-0.4	-0.8	-0.1	1.9
310	Pembuatan perabot	2.6	1.6	1.0	0.7	1.7	2.2	0.04	0.4	1.4	0.3
	31001 Pembuatan perabot kayu dan rotan	2.4	2.0	1.7	0.0	1.1	1.9	-0.2	0.6	2.0	0.2
	Industri lain	3.6	0.2	-1.2	3.0	3.9	3.3	0.7	-0.4	-0.4	0.6
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	9.5	-4.7	-3.8	1.2	1.1	7.3	2.2	-0.1	-1.5	0.5
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	-0.2	-0.4	4.9	-0.8	0.3	-0.3	-0.2	0.3	-1.1	0.7
	32901 Pembuatan alat tulis	-2.1	-1.5	5.0	-2.7	-1.6	0.4	-2.2	-0.3	-0.1	0.3
	Industri lain	0.4	-0.04	4.9	-0.2	0.8	-0.5	0.4	0.5	-1.4	0.8
323/ 32300	Pembuatan barangan sukan	-5.1	-0.1	-16.8	-1.9	11.5	-2.8	-3.8	1.5	-0.4	0.2
324/ 32400	Pembuatan permainan dan mainan	-3.8	-1.0	0.5	-0.5	-0.7	-2.3	-0.1	-1.5	-0.6	0.4
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	3.0	0.02	0.1	0.5	1.3	2.7	0.04	0.2	0.2	0.8
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	5.7	0.8	-0.2	-0.9	4.2	7.7	-0.2	-1.7	2.1	-2.0
	Industri lain	2.5	-0.1	0.1	0.8	0.8	1.7	0.1	0.6	-0.1	1.3
Jumlah Pembuatan		0.7	-0.2	1.2	0.1	-0.5	0.3	0.3	0.1	-0.1	0.3

2024											Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
-1.1	-0.9	6.3	1.2	-0.8	-4.0	-0.4	-4.0	0.7	2.4	1.3	Manufacture of optical instruments, photographic equipment, magnetic and optical media
0.2	1.5	1.7	-0.1	-0.6	-0.9	-0.7	0.05	-1.7	-0.1	-0.3	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
-0.6	1.2	2.8	0.8	-0.6	-1.0	-0.3	-0.1	-0.1	0.7	0.3	Manufacture of electric motors, generators and transformers
0.9	1.8	0.9	-0.7	-0.6	-0.8	-1.0	0.1	-2.8	-0.7	-0.7	Manufacture of electricity distribution and control apparatus
0.02	-0.6	1.6	3.1	0.7	-3.8	0.2	0.1	1.3	-0.2	-0.2	Manufacture of batteries and accumulators
-0.1	-0.8	2.0	0.8	-0.4	-0.5	-1.1	1.9	-0.2	0.2	0.02	Manufacture of wiring and wiring devices
0.1	-1.6	-0.5	0.8	2.7	0.4	-2.3	0.1	-0.5	0.4	2.1	Manufacture of fibre optic cables
-0.1	-0.5	1.8	0.6	-0.6	-0.6	-1.1	2.1	-0.2	0.3	-0.1	Manufacture of other electronic and electric wires and cables
0.0	-4.1	6.4	3.8	0.3	-0.9	0.3	0.8	-0.4	-1.1	0.7	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
1.5	3.7	4.7	1.3	0.5	-0.7	0.9	1.1	-2.6	3.5	-2.6	Manufacture of electric lighting equipment
-0.9	-1.8	1.6	-4.3	-0.4	-0.5	-0.8	0.6	-1.1	5.2	-0.6	Manufacture of domestic appliances
-0.2	1.0	2.1	-2.2	-0.6	-0.8	0.4	0.3	-1.0	-0.4	-0.3	Manufacture of other electrical equipment
1.7	-2.5	0.04	-0.5	-0.2	0.1	-1.5	0.8	1.3	-1.0	0.1	Manufacture of general-purpose and special-purpose machinery
1.6	-1.1	-6.6	-0.8	0.9	-0.6	-13.5	-5.5	-0.1	-0.6	0.3	Manufacture of fluid power equipment
2.6	-1.8	-1.3	0.3	-0.1	0.3	-0.05	1.9	3.0	-4.0	0.4	Manufacture of other pumps, compressors, taps and valves
-0.6	-9.5	-0.4	1.4	-0.9	-0.9	-0.6	2.2	0.1	-0.3	2.4	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
0.5	0.5	-11.4	-2.7	0.0	-0.3	0.1	0.3	0.5	0.5	-0.6	Manufacture of metal-forming machinery and machine tools
2.1	-2.3	4.3	-0.9	-0.3	0.5	-0.9	0.9	1.0	-0.03	-0.4	Manufacture of air-conditioning machines, including for motor vehicles
-0.4	2.4	1.4	0.3	0.5	-0.1	-0.9	0.1	-0.3	-3.5	0.1	Manufacture of other special-purpose machinery
0.2	1.5	11.1	0.4	0.6	-0.5	1.1	-1.9	-0.9	-1.0	-0.4	Other industry
-0.5	0.1	-2.9	-0.1	0.01	-0.2	0.3	1.0	-1.0	-2.6	6.7	Manufacture of motor vehicles
0.8	2.3	0.8	1.5	-0.8	1.6	0.5	0.9	-0.1	-1.5	-1.2	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-0.7	1.1	-2.3	0.02	0.4	-0.4	0.2	1.0	-0.4	0.8	0.1	Manufacture of parts and accessories for motor vehicles
0.9	6.6	-2.0	3.3	1.4	-0.4	-0.6	-0.4	-0.4	2.6	0.2	Building of ships and boats
-3.1	-13.6	-25.2	-11.2	-6.6	-3.1	-0.3	-2.3	-2.0	-1.7	0.1	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-1.4	-0.4	1.6	-1.3	0.3	-0.2	1.1	2.5	-0.3	-0.4	0.1	Manufacture of motorcycles
-0.1	-0.4	0.8	0.6	1.4	-0.7	0.1	0.8	0.5	0.4	2.0	Manufacture of bicycles and invalid carriages
-0.2	-0.3	1.8	0.1	1.1	-1.0	-0.1	0.0	0.4	0.6	2.4	Other industry
0.1	-0.7	-2.8	2.3	2.3	0.1	0.6	3.4	0.6	-0.1	0.5	Manufacture of furniture
-3.7	-4.3	-1.5	2.0	0.4	0.9	-0.1	0.5	-2.6	3.2	-1.9	Manufacture of wooden and cane furniture
0.1	4.7	0.1	0.1	0.2	-0.1	-0.9	-0.5	0.9	-0.1	-0.8	Other industry
-1.7	1.1	3.3	0.5	-0.2	-2.3	-0.3	-1.9	0.6	-0.3	0.5	Manufacture of jewellery, bijouterie and related articles
0.6	5.7	-0.8	0.0	0.4	0.4	-1.0	-0.1	1.0	-0.01	-1.2	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
0.1	-0.1	-15.9	-1.1	-1.2	2.3	-2.9	2.3	0.3	8.7	2.2	Manufacture of stationery
-0.9	-9.0	10.0	0.4	1.4	-1.4	-0.5	-1.3	0.7	-0.1	-0.6	Other industry
-1.0	1.2	-0.1	-1.1	0.5	-0.6	0.6	1.4	-0.5	0.4	-0.6	Manufacture of sports goods
0.7	-0.9	1.7	-1.0	-1.9	0.9	0.1	3.0	0.5	0.6	0.4	Manufacture of games and toys
-1.3	1.7	-0.5	-1.1	1.0	-0.8	0.6	1.1	-0.7	0.4	-0.8	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-0.4	-0.2	0.6	0.7	0.2	0.0	-0.1	-0.1	-0.3	-0.1	0.4	Repair and maintenance of transport equipment except motorcycles and bicycles
											Other industry
-0.4	-0.2	0.6	0.7	0.2	0.0	-0.1	-0.1	-0.3	-0.1	0.4	Total Manufacturing

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
101	Pemprosesan dan pengawetan daging	361	426	103	106
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	449	476	118	117
	10201 Pengetinan ikan, krustasea dan moluska				
	&				
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	358	385	96	96
	Industri lain	91	91	22	22
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	190	224	55	59
	10303 Pengetinan nanas				
	&				
	10304 Pembuatan jem, marmalad dan sajian jeli	11	15	4	4
	Industri lain	179	208	51	55
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	2,958	3,192	782	784
	10404 Pembuatan minyak sayuran mentah dan bertapis				
	&				
	10406 Pembuatan sebatian lemak masakan	218	218	55	56
	10405 Pembuatan minyak kelapa	93	115	26	27
	Industri lain	2,646	2,859	701	701
105	Pembuatan produk tenusu	875	922	225	232
	10502 Pembuatan susu pekat, tepung dan sejat	775	814	199	206
	Industri lain	100	107	25	26
106	Pembuatan produk bijian, kanji dan produk berkanji	370	384	96	98
	10611 Pengilangan beras	179	186	48	47
	10613 Pengilangan tepung	166	173	41	45
	Industri lain	25	25	7	6
107	Pembuatan produk makanan lain	4,170	4,498	1,094	1,082
	10711 Pembuatan biskut dan cookies	375	429	101	103
	10712 Pembuatan roti, kek dan produk bakeri lain	932	995	239	243
	10713 Pembuatan produk snek	232	250	62	59
	10721 Pembuatan gula	81	71	17	17
	10731 Pembuatan produk koko	93	97	23	24
	10732 Pembuatan coklat dan produk coklat				
	&				
	10733 Pembuatan konfeksi gula	401	405	101	92
	10793 Pembuatan sos dan bahan perasa	369	429	100	102
	10799 Pembuatan produk makanan lain t.t.t.l.	481	564	135	134
	Industri lain	1,206	1,258	316	307
108/ 10800	Pembuatan makanan haiwan tersedia	1,061	1,141	281	277
110	Pembuatan minuman ringan	532	573	141	139
	11041 Pembuatan minuman ringan	373	408	101	100
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	127	128	32	31
	Industri lain	32	36	9	8
120/ 12000	Pembuatan produk tembakau	63	66	18	16
131	Pemintalan, penenunan dan penyiapan tekstil	353	345	84	85
	13110 Penyediaan dan pemintalan gentian tekstil				
	&				
	13120 Penenunan tekstil	238	238	56	58
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	107	98	25	24
	Industri lain	9	9	2	2
139	Pembuatan tekstil lain	319	361	88	91
	13910 Pembuatan fabrik dikait dan dikrusye	97	100	24	26
	Industri lain	222	261	65	65
141	Pembuatan pakaian, kecuali pakaian berbulu	887	939	238	230
	14102 Pembuatan pakaian	598	636	162	154
	Industri lain	289	303	76	76
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	25	25	6	6
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	123	129	32	32
152	Pembuatan kasut	201	214	54	53
	15201 Pembuatan kasut kulit				
	&				
	15203 Pembuatan kasut getah	145	149	39	37
	Industri lain	56	65	15	15
161/ 16100	Pengilangan dan pengetaman kayu	520	526	134	127

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)	
106	111	103	138	137	Processing and preserving of meat
120	120	118	156	156	Processing and preserving of fish, crustaceans and molluscs
97	96	93	127	123	Canning of fish, crustaceans and molluscs
23	24	25	29	33	Processing, curing and preserving of fish, crustacean and molluscs
56	55	56	74	75	Processing and preserving of fruits and vegetable
4	4	4	5	5	Pineapple canning
52	51	53	69	70	Manufacture of jams, marmalades and table jellies
793	832	827	1,044	1,110	Manufacture of vegetable and animal oils and fats
53	54	54	74	73	Manufacture of crude and refined vegetable oil
31	30	30	35	40	Manufacture of compound cooking fats
710	748	742	935	997	Manufacture of coconut oil
225	240	247	302	330	Manufacture of dairy products
197	212	220	268	294	Manufacture of condensed, powdered and evaporated milk
27	28	27	34	36	Other industry
96	94	90	129	119	Manufacture of grain mill products, starches and starch products
46	44	45	64	59	Rice milling
43	44	39	56	51	Flour milling
6	6	6	9	8	Other industry
1,132	1,189	1,155	1,451	1,530	Manufacture of other food products
111	114	107	134	143	Manufacture of biscuits and cookies
253	259	249	319	334	Manufacture of bread, cakes and other bakery products
62	67	69	81	92	Manufacture of snack products
18	19	19	23	25	Manufacture of sugar
25	25	23	32	32	Manufacture of cocoa products
100	112	104	132	135	Manufacture of chocolate and chocolate products
107	119	130	135	171	Manufacture of sugar confectionery
143	152	139	178	182	Manufacture of sauces and condiments
312	323	315	417	415	Manufacture of other food products n.e.c.
282	301	279	371	368	Manufacture of prepared animal feeds
139	154	151	189	202	Manufacture of beverages
98	109	105	135	141	Manufacture of soft drinks
32	34	34	43	45	Production of natural mineral waters and other bottled waters
9	11	12	11	16	Other industry
15	18	17	23	22	Manufacture of tobacco products
88	89	85	111	114	Spinning, weaving and finishing of textiles
62	62	59	75	79	Preparation and spinning of textile fibres
24	25	24	33	32	Weaving of textiles
2	2	2	3	3	Dyeing, bleaching, printing and finishing of yarns and fabrics
90	92	91	119	121	Manufacture of other textiles
25	26	24	32	32	Manufacture of knitted and crocheted fabrics
65	66	67	86	89	Other industry
225	246	245	317	325	Manufacture of wearing apparel, except fur apparel
151	169	174	215	229	Manufacture of clothings
74	77	71	102	95	Other industry
6	6	6	8	9	Manufacture of articles of fur, knitted and crocheted apparel
32	33	32	43	43	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
52	55	56	72	74	Manufacture of footwear
36	37	36	51	48	Manufacture of leather footwear
16	18	20	21	26	Manufacture of rubber footwear
131	134	136	177	182	Sawmilling and planing of wood

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : *Salaries and Wages Paid of Manufacturing Sector by Group (cont.)*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
101	Pemprosesan dan pengawetan daging	36	34	33	35	35	36	34
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	40	39	39	38	40	40	40
	10201 Pengetinan ikan, krustasea dan moluska							
	&							
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	32	32	32	31	32	32	33
	Industri lain	7	7	7	7	7	7	7
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	18	18	19	19	20	20	19
	10303 Pengetinan nanas							
	&							
	10304 Pembuatan jem, marmalad dan sajian jeli	1	1	1	1	1	1	1
	Industri lain	17	17	17	18	18	18	18
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	264	261	258	262	262	260	267
	10404 Pembuatan minyak sayuran mentah dan bertapis							
	&							
	10406 Pembuatan sebatian lemak masakan	19	18	18	19	18	19	17
	10405 Pembuatan minyak kelapa	9	9	9	9	9	9	10
	Industri lain	237	233	230	234	235	232	240
105	Pembuatan produk tenusu	73	77	75	77	77	78	71
	10502 Pembuatan susu pekat, tepung dan sejat	64	69	66	69	68	69	63
	Industri lain	9	8	9	8	9	9	9
106	Pembuatan produk bijian, kanji dan produk	32	32	32	33	32	33	32
	10611 Pengilangan beras	16	16	16	16	16	15	16
	10613 Pengilangan tepung	14	14	14	15	14	16	14
	Industri lain	2	2	2	2	2	2	2
107	Pembuatan produk makanan lain	372	361	361	357	363	363	368
	10711 Pembuatan biskut dan cookies	34	33	33	34	35	35	37
	10712 Pembuatan roti, kek dan produk bakeri lain	82	79	77	80	82	81	84
	10713 Pembuatan produk snek	20	21	21	20	19	20	20
	10721 Pembuatan gula	6	6	5	5	6	6	6
	10731 Pembuatan produk koko	7	8	8	9	8	8	8
	10732 &							
	10733 Pembuatan coklat dan produk coklatPembuatan konfeksi gula	34	33	34	31	31	31	32
	10793 Pembuatan sos dan bahan perasa	32	31	37	35	33	34	33
	10799 Pembuatan produk makanan lain t.t.t.l.	48	44	43	43	45	46	46
	Industri lain	107	106	103	101	103	103	102
108/ 10800	Pembuatan makanan haiwan tersedia	90	98	93	90	94	92	95
110	Pembuatan minuman ringan	48	47	47	47	46	45	45
	11041 Pembuatan minuman ringan	34	33	33	34	33	33	33
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	11	10	11	11	10	10	10
	Industri lain	3	3	3	3	3	3	3
120/ 12000	Pembuatan produk tembakau	6	6	6	5	5	5	5
131	Pemintalan, penenunan dan penyiapan tekstil	29	27	28	28	29	28	29
	13110 &							
	13120 Penyediaan dan pemintalan gentian tekstilPenenunan tekstil	20	18	19	19	20	20	21
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabr	9	9	8	8	8	8	7
	Industri lain	1	1	1	1	1	1	1
139	Pembuatan tekstil lain	30	29	30	30	31	30	30
	13910 Pembuatan fabrik dikait dan dikrusye	8	8	8	8	9	9	8
	Industri lain	22	21	22	22	22	22	22
141	Pembuatan pakaian, kecuali pakaian berbulu	83	77	78	78	77	74	75
	14102 Pembuatan pakaian	58	52	52	53	52	49	50
	Industri lain	26	25	26	25	25	25	24
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	2	2	2	2	2	2	2
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	11	11	11	11	11	11	10
152	Pembuatan kasut	18	18	18	18	18	17	17
	15201 Pembuatan kasut kulit							
	&							
	15203 Pembuatan kasut getah	13	13	13	12	13	12	12
	Industri lain	5	5	5	5	5	5	5
161/ 16100	Pengilangan dan pengetaman kayu	44	45	44	43	42	42	44

2024									Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
35	37	37	37	37	36	34	34	34	Processing and preserving of meat
40	40	40	40	41	40	39	39	38	Processing and preserving of fish, crustaceans and molluscs
32	32	32	32	32	31	31	30	30	Canning of fish, crustaceans and molluscs
8	8	8	8	8	8	8	8	8	Processing, curing and preserving of fish, crustacean and molluscs
18	18	18	18	18	19	18	19	19	Processing and preserving of fruits and vegetable
1	1	1	1	1	1	1	1	1	Pineapple canning
17	17	17	17	17	18	17	18	18	Manufacture of jams, marmalades and table jellies
258	268	271	265	296	278	279	270	283	Manufacture of vegetable and animal oils and fats
18	18	18	18	18	18	18	18	18	Manufacture of crude and refined vegetable oil
10	10	10	10	10	10	10	10	10	Manufacture of compound cooking fats
230	240	243	237	268	250	251	241	254	Manufacture of coconut oil
75	78	76	77	88	90	76	81	84	Manufacture of dairy products
66	68	66	67	79	81	67	72	75	Manufacture of condensed, powdered and evaporated milk
9	9	10	10	9	9	9	9	9	Other industry
32	32	31	31	32	33	28	29	29	Manufacture of grain mill products, starches and starch products
15	15	15	15	15	15	15	15	14	Rice milling
14	14	14	14	16	15	12	12	12	Flour milling
2	2	2	2	2	2	2	2	2	Other industry
376	388	389	391	410	394	382	379	375	Manufacture of other food products
37	38	37	38	38	37	35	35	36	Manufacture of biscuits and cookies
84	86	85	87	88	84	85	80	85	Manufacture of bread, cakes and other bakery products
21	22	22	22	23	23	23	23	23	Manufacture of snack products
6	6	6	6	7	6	7	6	6	Manufacture of sugar
8	8	8	8	9	8	7	7	9	Manufacture of cocoa products
33	35	36	37	38	36	34	34	32	Manufacture of chocolate and chocolate products
36	38	38	38	44	41	42	47	42	Manufacture of sugar confectionery
47	50	50	50	53	51	43	44	43	Manufacture of sauces and condiments
104	106	106	106	111	108	105	102	100	Manufacture of other food products n.e.c.
93	94	96	99	107	100	91	88	89	Manufacture of prepared animal feeds
45	49	49	51	54	51	50	50	51	Manufacture of beverages
32	34	34	36	39	36	35	35	36	Manufacture of soft drinks
11	11	11	11	11	12	11	11	11	Production of natural mineral waters and other bottled waters
3	3	3	3	4	4	4	4	4	Other industry
5	5	5	5	7	6	6	6	5	Manufacture of tobacco products
29	30	29	30	30	30	28	28	29	Spinning, weaving and finishing of textiles
21	21	20	21	21	21	19	19	20	Preparation and spinning of textile fibres
8	8	8	8	8	8	8	8	8	Weaving of textiles
1	1	1	1	1	1	1	1	1	Dyeing, bleaching, printing and finishing of yarns and fabrics
30	30	31	30	31	31	30	31	30	Manufacture of other textiles
8	8	9	9	9	8	8	8	8	Manufacture of knitted and crocheted fabrics
22	22	22	22	22	23	22	23	22	Other industry
74	77	76	82	88	85	80	80	80	Manufacture of wearing apparel, except fur apparel
49	51	51	56	62	61	56	57	56	Manufacture of clothings
25	26	25	26	26	25	23	23	24	Other industry
2	2	2	2	2	2	2	2	2	Manufacture of articles of fur, knitted and crocheted apparel
10	11	11	11	12	11	10	11	11	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
17	18	18	18	18	19	19	18	18	Manufacture of footwear
12	12	12	12	12	12	12	12	12	Manufacture of leather footwear
5	6	6	6	6	7	6	6	6	Manufacture of rubber footwear
43	44	45	44	44	44	46	46	46	Sawmilling and planing of wood

Jadual : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
Table : **1.6a** *Salaries and Wages Paid of Manufacturing Sector by Group*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan	2,064	2,184	544	535
16211	Pembuatan kepingan venier dan papan lapis	1,008	1,042	255	251
16212	Pembuatan papan partikel dan papan gentian	299	323	82	77
16221	Pertukangan kayu untuk jurubina	428	478	122	122
	Industri lain	329	341	85	84
170	Pembuatan kertas dan produk kertas	2,100	2,148	548	523
17010	Pembuatan pulpa, kertas dan kertas tebal	304	241	67	55
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	836	916	226	225
17091	Pembuatan sampul surat dan kad surat	54	53	13	13
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	374	396	108	97
	17093 Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	270	248	63	62
	Industri lain	263	293	70	71
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	2,242	2,382	594	600
	18110 Percetakan	1,892	2,015	498	509
	18120 Aktiviti perkhidmatan berkaitan percetakan				
	&	350	368	96	91
	18200 Penerbitan semula media rakaman				
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	2,363	2,502	677	570
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	3,205	3,220	863	801
	20111 Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	296	359	90	82
	20112 Pembuatan kimia organik asas				
	&	1,670	1,628	451	408
	20113 Pembuatan sebatian bukan organik				
	20121 Pembuatan baja	310	287	76	74
	&				
	20129 Pembuatan produk campuran nitrogen				
	20131 Pembuatan plastik dalam bentuk primer	811	840	216	210
	Industri lain	118	107	31	26
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	2,626	2,710	688	657
	20210 Pembuatan racun perosak dan produk agrokimia lain	258	303	71	81
	20221 Pembuatan cat, varnis dan penyadur dan mastik	361	419	106	101
	20222 Pembuatan dakwat cetak	236	211	54	53
	20231 Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	844	896	236	219
	&				
	20232 Pembuatan pewangi dan penyediaan dandanan diri				
	20291 Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials				
	&	891	848	210	194
	20292 Pembuatan dakwat menulis dan melukis				
	&				
	20299 Pembuatan produk kimia lain t.t.t.l.				
	Industri lain	37	32	9	9
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	789	804	188	197
	21001 Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	629	624	149	154
	Industri lain	159	180	39	43
221	Pembuatan produk getah	4,094	4,036	943	1,003
	22111 Pembuatan tayar getah untuk kenderaan	382	480	115	120
	22112 Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	103	131	29	32
	22191 Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	737	769	182	192
	&				
	22193 Pengilangan semula getah dan prosesan susu getah				
2024	22192 Pembuatan sarung tangan getah	2,160	1,974	444	491
	22199 Pembuatan produk getah lain yang t.t.t.l.	712	683	173	168
222	Pembuatan produk plastik	7,892	8,102	1,996	2,059
	22201 Pembuatan produk plastik separa siap				
	&	2,724	2,748	712	702
	22202 Pembuatan produk plastik siap				
	22203 Pembuatan artikel plastik untuk pembungkusan barangan	1,847	2,207	550	600
	22204 Pembuatan barangan plastik jurubina	101	119	29	32
	22205 Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	598	584	145	148
	22209 Pembuatan pelbagai produk plastik t.t.t.l.	2,622	2,444	560	576
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	890	921	230	228

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)	
546	559	558	723	743	Manufacture of products of wood, cork, straw and plaiting materials
265	271	265	339	354	Manufacture of veneer sheets and plywood
80	84	87	109	113	Manufacture of particle board and fibreboard
119	115	114	163	153	Manufacture of builders' carpentry
82	90	92	113	123	Other industry
527	550	554	723	730	Manufacture of paper and paper products
57	62	64	88	85	Manufacture of pulp, paper and paperboard
231	235	236	300	311	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
13	14	14	18	18	Manufacture of envelopes and letter-card
92	100	109	141	142	Manufacture of household and personal hygiene paper
61	61	57	84	75	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
73	78	75	94	99	Other industry
584	605	623	790	832	Printing, service activities related to printing and reproduction of recorded media
493	514	524	666	702	Printing
91	91	98	125	130	Service activities related to printing
					Reproduction of recorded media
592	664	682	864	871	Manufacture of refined petroleum products
772	784	770	1,143	1,022	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
92	96	84	117	109	Manufacture of liquefied or compressed inorganic industrial or medical gases
381	388	344	597	463	Manufacture of basic organic chemicals
					Manufacture of inorganic compounds
					Manufacture of fertilizers
70	66	68	101	90	Manufacture of associated nitrogen products
206	209	247	287	324	Manufacture of plastics in primary forms
25	25	27	41	36	Other industry
676	689	730	910	969	Manufacture of other chemical products and man-made fibres
73	77	83	98	113	Manufacture of pesticides and other agrochemical products
106	107	119	140	158	Manufacture of paints, varnishes and similar coatings ink and mastics
53	51	46	72	62	Manufacture of printing ink
					Manufacture of soap and detergents, cleaning and polishing preparations
223	218	230	311	302	Manufacture of perfumes and toilet preparations
					Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
213	230	245	277	325	Manufacture of writing and drawing ink
					Manufacture of other chemical products n.e.c.
8	6	6	12	8	Other industry
204	215	191	256	259	Manufacture of pharmaceuticals, medicinal chemical and botanical products
155	166	146	203	199	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
49	49	45	53	60	Other industry
1,076	1,014	961	1,264	1,276	Manufacture of rubber products
126	119	103	155	131	Manufacture of rubber tyres for vehicles
35	35	36	39	50	Manufacture of interchangeable tyre treads and retreading rubber tyres
197	198	193	248	259	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
					Rubber remilling and latex processing
543	496	470	593	626	Manufacture of rubber gloves
176	165	159	230	210	Manufacture of other rubber products n.e.c.
2,006	2,041	2,010	2,692	2,712	Manufacture of plastics products
					Manufacture of semi-manufactures of plastic products
662	672	643	951	857	Manufacture of finished plastic products
545	512	528	752	723	Manufacture of plastic articles for the packing of goods
29	29	31	39	41	Manufacture of builders' plastics ware
147	144	148	194	199	Manufacture of plastic tableware, kitchenware and toilet articles
623	684	660	755	892	Manufacture of diverse plastic products n.e.c.
231	232	230	304	311	Manufacture of glass and glass products

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : *Salaries and Wages Paid of Manufacturing Sector by Group (cont.)*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	181	182	180	179	180	176	180
16211	Pembuatan kepingan venier dan papan lapis	84	86	85	83	85	83	88
16212	Pembuatan papan partikel dan papan gentian	28	27	27	27	26	24	26
16221	Pertukangan kayu untuk jurubina	41	41	40	41	40	41	40
	Industri lain	28	28	29	28	28	28	27
170	Pembuatan kertas dan produk kertas	180	186	182	175	174	174	173
17010	Pembuatan pulpa, kertas dan kertas tebal	21	24	22	20	18	18	18
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	76	75	75	74	76	75	76
17091	Pembuatan sampul surat dan kad surat	4	4	4	4	4	4	4
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	33	38	37	32	32	32	29
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	21	21	21	21	21	21	21
	Industri lain	24	23	23	24	24	24	24
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	204	193	197	197	203	200	196
18110	Percetakan	170	162	166	168	172	170	165
18120	Aktiviti perkhidmatan berkaitan percetakan							
&		33	31	31	29	31	31	30
18200	Penerbitan semula media rakaman							
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	216	212	249	188	187	195	190
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	282	279	302	280	255	266	265
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	26	31	33	27	27	27	30
20112	Pembuatan kimia organik asas							
&		150	146	155	146	125	136	133
20113	Pembuatan sebatian bukan organik							
20121	Pembuatan baja	26	24	26	25	25	25	24
&	Pembuatan produk campuran nitrogen							
20129								
20131	Pembuatan plastik dalam bentuk primer	69	69	78	72	69	69	70
	Industri lain	11	10	10	10	8	8	8
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	227	232	229	222	217	218	225
20210	Pembuatan racun perosak dan produk agrokimia lain	22	22	27	27	27	27	26
20221	Pembuatan cat, varnis dan penyadur dan mastik	34	38	33	34	33	34	34
20222	Pembuatan dakwat cetak	18	18	18	18	18	17	18
20231	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	74	83	79	75	72	72	75
&	Pembuatan pewangi dan penyediaan dandanan diri							
20232								
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials							
&	Pembuatan dakwat menulis dan melukis	75	68	68	66	64	64	69
20292								
&	Pembuatan produk kimia lain t.t.t.l.							
20299		3	3	3	3	3	3	3
	Industri lain							
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	65	61	62	68	64	65	67
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	52	48	49	54	50	50	51
	Industri lain	13	13	13	14	15	14	16
221	Pembuatan produk getah	309	315	319	321	331	350	356
22111	Pembuatan tayar getah untuk kenderaan	40	39	36	40	40	39	42
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	9	9	11	10	11	11	11
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	59	59	64	65	64	63	65
&	Pengilangan semula getah dan prosesan susu getah							
22193								
22192	Pembuatan sarung tangan getah	143	153	148	149	161	181	178
22199	Pembuatan produk getah lain yang t.t.t.l.	57	56	60	57	55	57	60
222	Pembuatan produk plastik	672	652	671	696	693	670	666
22201	Pembuatan produk plastik separa siap							
&		244	246	222	239	238	225	214
22202	Pembuatan produk plastik siap							
22203	Pembuatan artikel plastik untuk pembungkusan barangan	179	166	205	202	204	194	199
22204	Pembuatan barangan plastik jurubina	9	9	10	10	11	11	11
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	48	48	49	49	49	49	48
22209	Pembuatan pelbagai produk plastik t.t.t.l.	192	183	185	195	191	190	195
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	81	75	74	75	77	76	76

2024									Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
183	183	185	186	189	189	185	183	185	Manufacture of products of wood, cork, straw and plaiting
89	89	89	91	90	91	88	86	89	Manufacture of veneer sheets and plywood
27	27	27	28	29	29	29	29	26	Manufacture of particle board and fibreboard
40	39	40	38	38	38	38	38	39	Manufacture of builders' carpentry
27	28	29	29	32	31	30	31	31	Other industry
175	179	182	180	188	184	186	183	176	Manufacture of paper and paper products
19	19	21	20	21	21	22	22	21	Manufacture of pulp, paper and paperboard
76	78	79	78	78	80	78	78	75	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
4	4	5	5	5	5	4	5	5	Manufacture of envelopes and letter-card
31	32	32	31	36	35	38	36	33	Manufacture of household and personal hygiene paper
20	20	21	21	20	19	19	19	18	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
24	25	25	25	28	25	25	25	24	Other industry
197	191	193	199	213	204	210	209	209	Printing, service activities related to printing and reproduction of recorded media
166	162	163	169	182	170	178	177	178	Printing
31	29	30	30	31	34	33	32	31	Service activities related to printing
									Reproduction of recorded media
194	208	217	207	240	216	216	250	188	Manufacture of refined petroleum products
256	252	255	256	272	260	250	260	252	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
30	31	32	32	32	28	28	28	25	Manufacture of liquefied or compressed inorganic industrial or medical gases
126	122	125	126	137	116	113	116	119	Manufacture of basic organic chemicals
									Manufacture of inorganic compounds
23	23	22	22	22	23	21	24	22	Manufacture of fertilizers
									Manufacture of associated nitrogen products
68	68	68	68	73	84	79	84	77	Manufacture of plastics in primary forms
8	8	9	8	9	10	9	8	10	Other industry
227	224	225	221	243	233	248	250	239	Manufacture of other chemical products and man-made fibres
23	24	26	25	26	26	27	30	30	Manufacture of pesticides and other agrochemical products
37	36	35	34	37	37	44	38	39	Manufacture of paints, varnishes and similar coatings ink and mastics
18	17	17	17	17	15	16	15	16	Manufacture of printing ink
									Manufacture of soap and detergents, cleaning and polishing preparations
76	72	70	69	79	70	79	82	72	Manufacture of perfumes and toilet preparations
									Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
71	73	75	74	81	82	81	83	80	Manufacture of writing and drawing ink
									Manufacture of other chemical products n.e.c.
2	2	2	2	2	2	2	2	2	Other industry
69	68	70	67	78	66	62	63	68	Manufacture of pharmaceuticals, medicinal chemical and botanical products
									Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
53	52	53	51	62	51	47	48	53	
16	16	17	16	16	15	15	15	16	Other industry
367	354	344	341	329	325	318	318	315	Manufacture of rubber products
43	41	40	40	40	40	33	30	28	Manufacture of rubber tyres for vehicles
12	12	12	12	12	12	11	14	13	Manufacture of interchangeable tyre treads and retreading rubber tyres
									Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
65	66	66	65	67	66	60	67	66	Rubber remilling and latex processing
189	176	169	169	158	155	160	155	156	Manufacture of rubber gloves
59	58	57	55	53	53	54	52	52	Manufacture of other rubber products n.e.c.
670	671	672	678	691	678	663	668	702	Manufacture of plastics products
									Manufacture of semi-manufactures of plastic products
225	224	222	225	224	220	221	202	214	Manufacture of finished plastic products
175	172	168	168	175	178	166	184	195	Manufacture of plastic articles for the packing of goods
9	9	9	9	10	10	10	11	10	Manufacture of builders' plastics ware
50	49	50	46	48	48	49	51	51	Manufacture of plastic tableware, kitchenware and toilet articles
211	217	223	228	233	222	217	221	232	Manufacture of diverse plastic products n.e.c.
76	79	77	75	80	77	75	79	81	Manufacture of glass and glass products

Jadual : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
Table : Salaries and Wages Paid of Manufacturing Sector by Group

1.6a

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3,717	3,799	914	932
23911	Pembuatan mortar refraktori dan konkrit				
&		311	320	75	80
23921	Pembuatan seramik bukan refraktori				
23930	Pembuatan produk porselin dan seramik lain	170	146	37	35
23941	Pembuatan simen hidrolik	278	293	73	75
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	738	709	175	173
23952	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;				
&					
23953	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	1,279	1,344	319	330
&					
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.				
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	539	592	141	141
	Industri lain	402	394	95	99
241					
(24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,368	2,396	631	596
242					
(24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1,396	1,467	394	363
243	Pengacuan logam	416	398	103	99
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1,643	1,722	431	427
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam				
&		841	890	226	224
25119	Pembuatan produk struktur logam lain				
25120	Pembuatan tangki, takungan dan kontena daripada logam	609	631	154	153
	Industri lain	193	201	51	50
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3,982	4,211	1,063	1,018
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	754	744	185	178
25920	Rawatan dan penyalutan logam; menggunakan mesin	509	485	128	124
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	476	555	134	128
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam				
&		1,020	1,124	277	273
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya				
25994	Pembuatan barangan rumah daripada logam	65	65	16	16
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	973	1,028	272	249
	Industri lain	185	210	50	50
261	Pembuatan komponen dan papan elektronik	12,261	12,315	3,230	3,122
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya				
&		7,883	7,930	2,051	1,995
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro				
26103	Pembuatan kapasitor dan perintang elektrik				
&					
26104	Pembuatan papan litar bercetak	3,901	3,912	1,056	1,004
&					
26105	Pembuatan komponen paparan				
26109	Pembuatan komponen lain untuk aplikasi elektronik	477	473	123	123
262					
(26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	3,001	3,095	748	746
263/ 26300	Pembuatan peralatan komunikasi	789	783	211	198
264/ 26400	Pembuatan peralatan elektronik pengguna	1,341	1,338	329	311
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	2,450	2,973	629	755
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan				
&		2,275	2,786	582	711
26512	Pembuatan kelengkapan kawalan proses perindustrian				
26520	Pembuatan jam tangan dan jam dan bahagiannya	175	187	47	44
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	736	728	192	194

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)	
952	1,001	971	1,218	1,294	Manufacture of non-metallic mineral products n.e.c. Manufacture of refractory mortars and concretes
81	84	88	100	117	Manufacture of non-refractory ceramic
37	37	34	48	45	Manufacture of other porcelain and ceramic products
73	73	67	97	87	Manufacture of hydraulic cement
177	185	189	232	252	Manufacture of ready-mix and dry-mix concrete and mortars
					Manufacture of precast concrete, cement or artificial stone articles for use in construction
341	355	337	426	448	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
					Manufacture of other articles of concrete, cement and plaster n.e.c.
146	164	157	185	207	Manufacture of other non-metallic mineral products n.e.c.
97	104	101	129	138	Other industry
569	600	630	832	832	Manufacture of basic iron and steel
347	364	410	515	545	Manufacture of basic precious and other non-ferrous metals
96	100	104	137	138	Casting of metals
428	435	460	572	603	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
222	218	220	300	290	Manufacture of metal doors, windows and their frames, shutters and gates
157	167	188	204	245	Manufacture of tanks, reservoirs and containers of metal
50	51	52	68	68	Other industry
1,029	1,101	1,142	1,400	1,519	Manufacture of other fabricated metal products; metal working service activities
184	197	192	245	255	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
115	118	130	170	174	Treatment and coating of metals; machining
138	156	156	176	206	Manufacture of tins and cans for food products, collapsible tubes and boxes
277	297	325	365	430	Manufacture of metal cable, plaited bands and similar articles
17	17	17	21	23	Manufacture of bolts, screws, nuts and similar threaded products
247	259	271	355	363	Manufacture of any other fabricated metal products n.e.c.
52	57	51	68	68	Other industry
2,887	3,076	2,989	4,276	3,926	Manufacture of electronic components and boards
1,908	1,976	1,948	2,729	2,565	Manufacture of diodes, transistors and similar semiconductor devices
					Manufacture of electronic integrated circuits micro assemblies
					Manufacture of electrical capacitors and resistors
870	983	915	1,383	1,194	Manufacture of printed circuit boards
109	117	126	164	167	Manufacture of display components
					Manufacture of other components for electronic applications
768	834	786	996	1,041	Manufacture of computers and peripheral equipment
178	197	198	278	263	Manufacture of communication equipment
339	360	311	430	394	Manufacture of consumer electronics
785	804	796	861	1,086	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
736	756	748	799	1,023	Manufacture of measuring, testing, navigating and control equipment
					Manufacture of industrial process control equipment
49	47	48	62	63	Manufacture of watches and clocks and parts
169	173	197	259	260	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : *Salaries and Wages Paid of Manufacturing Sector by Group (cont.)*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	312	298	305	304	314	314	313
23911	Pembuatan mortar refraktori dan konkrit							
&								
23921	Pembuatan seramik bukan refraktori	25	24	26	26	27	28	27
23930	Pembuatan produk porselin dan seramik lain	15	11	11	11	12	12	12
23941	Pembuatan simen hidrolik	26	24	24	24	26	25	25
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	59	58	58	57	58	58	58
23952	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;							
&								
23953	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	109	103	107	107	112	111	114
&	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.							
23959								
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	46	47	47	44	49	48	46
	Industri lain	32	31	32	34	32	32	32
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	215	207	208	202	201	194	188
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	131	135	128	121	122	119	117
243	Pengacuan logam	36	33	34	33	33	33	31
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	144	143	144	141	144	142	143
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	75	75	77	74	76	74	75
25119	Pembuatan produk struktur logam lain							
25120	Pembuatan tangki, takungan dan kontena daripada logam	52	51	51	51	52	51	52
	Industri lain	17	17	17	17	17	16	16
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	354	358	351	337	344	337	336
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	63	62	60	60	61	58	60
25920	Rawatan dan penyalutan logam; menggunakan mesin	43	44	42	41	41	41	41
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	46	45	44	42	43	43	43
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	90	94	93	88	93	92	91
&								
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya							
25994	Pembuatan barangan rumah daripada logam	5	5	5	5	5	5	6
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	93	91	89	83	84	82	79
	Industri lain	15	18	18	18	16	16	16
261	Pembuatan komponen dan papan elektronik	1,055	1,103	1,073	1,046	1,046	1,029	942
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya							
&								
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	668	688	695	678	656	661	626
26103	Pembuatan kapasitor dan perintang elektrik							
&								
26104	Pembuatan papan litar bercetak	346	374	336	327	350	328	277
&								
26105	Pembuatan komponen paparan							
26109	Pembuatan komponen lain untuk aplikasi elektronik	41	41	42	41	41	41	39
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	252	259	237	248	262	236	251
263/ 26300	Pembuatan peralatan komunikasi	72	69	70	67	64	67	56
264/ 26400	Pembuatan peralatan elektronik pengguna	113	104	112	101	104	106	105
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	200	208	222	231	253	271	261
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan							
&								
26512	Pembuatan kelengkapan kawalan proses perindustrian	184	193	206	217	238	257	244
26520	Pembuatan jam tangan dan jam dan bahagiannya	16	15	15	15	15	14	17
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	63	66	64	67	64	63	58

2024									Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
314	325	326	333	342	330	318	323	322	Manufacture of non-metallic mineral products n.e.c.
27	27	27	27	30	29	29	30	29	Manufacture of refractory mortars and concretes
12	12	12	12	13	11	11	11	11	Manufacture of non-refractory ceramic
24	24	23	24	26	26	21	21	20	Manufacture of other porcelain and ceramic products
58	61	60	61	63	63	62	64	63	Manufacture of hydraulic cement
									Manufacture of ready-mix and dry-mix concrete and mortars
									Manufacture of precast concrete, cement or artificial stone articles for use in construction
112	115	116	123	117	115	109	112	111	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
49	51	53	53	58	53	54	51	50	Manufacture of other articles of concrete, cement and plaster n.e.c.
32	33	34	34	36	33	33	34	37	Manufacture of other non-metallic mineral products n.e.c.
									Other industry
189	192	191	192	217	220	202	207	202	Manufacture of basic iron and steel
114	116	118	118	129	135	140	135	135	Manufacture of basic precious and other non-ferrous metals
32	33	33	33	35	36	35	33	34	Casting of metals
143	142	141	142	153	158	152	150	143	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
74	73	72	72	74	78	70	72	69	Manufacture of metal doors, windows and their frames, shutters and gates
52	53	52	53	62	63	63	61	58	Manufacture of other structural metal products
17	17	17	17	17	17	18	17	16	Manufacture of tanks, reservoirs and containers of metal
									Other industry
342	352	357	358	386	382	381	379	377	Manufacture of other fabricated metal products; metal working service activities
62	63	63	63	71	65	63	64	64	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
37	37	37	36	45	43	44	43	44	Treatment and coating of metals; machining
46	49	50	53	53	53	53	50	50	Manufacture of tins and cans for food products, collapsible tubes and boxes
91	94	97	97	104	106	109	110	105	Manufacture of metal cable, plaited bands and similar articles
6	6	6	6	6	6	6	6	6	Manufacture of bolts, screws, nuts and similar threaded products
83	85	87	85	88	91	90	90	92	Manufacture of metal household articles
17	18	19	19	20	19	16	16	16	Manufacture of any other fabricated metal products n.e.c.
									Other industry
957	988	985	980	1,112	1,005	1,008	976	936	Manufacture of electronic components and boards
638	644	640	625	712	646	655	647	617	Manufacture of diodes, transistors and similar semiconductor devices
									Manufacture of electronic integrated circuits micro assemblies
									Manufacture of electrical capacitors and resistors
285	307	306	318	358	316	312	288	278	Manufacture of printed circuit boards
34	37	38	37	42	43	41	42	41	Manufacture of display components
									Manufacture of other components for electronic applications
250	267	263	263	309	268	267	251	255	Manufacture of computers and peripheral equipment
62	60	59	72	66	65	67	66	64	Manufacture of communication equipment
112	121	121	120	118	119	101	91	83	Manufacture of consumer electronics
260	264	262	262	280	246	266	285	290	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
244	248	246	246	264	230	250	269	275	Manufacture of measuring, testing, navigating and control equipment
									Manufacture of industrial process control equipment
16	16	16	16	15	16	16	16	15	Manufacture of watches and clocks and parts
56	56	56	54	63	64	66	67	64	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023	
				Q1	Q2
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	500	499	124	122
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,246	1,241	322	300
	27101 Pembuatan motor elektrik, penjana dan transformer	474	489	116	118
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	772	751	207	181
272/ 27200	Pembuatan bateri dan akumulator	481	550	135	132
273	Pembuatan pendawaian dan peranti pendawaian	1,133	1,069	278	269
	27310 Pembuatan kabel gentian optikal	84	92	21	23
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	1,011	946	250	238
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	39	31	8	8
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	248	249	61	54
275/ 27500	Pembuatan perkakasan domestik	436	395	94	98
279/ 27900	Pembuatan kelengkapan elektrik lain	395	444	116	104
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	4,424	4,451	1,148	1,080
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	348	361	85	89
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	919	899	221	220
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	743	637	185	151
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	525 1,889	513 2,042	142 515	134 486
291 (29101 & 29102)	Pembuatan kenderaan bermotor	1,152	1,110	270	274
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	344	401	97	92
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2,030	2,115	511	547
301 (30110 & 30120)	Pembinaan kapal dan bot	281	312	77	75
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	861	859	220	218
	30910 Pembuatan motosikal	534	534	133	135
	30920 Pembuatan basikal dan invalid carriages Industri lain	121 206	106 219	31 56	30 54
310	Pembuatan perabot	2,556	2,687	683	655
	31001 Pembuatan perabot kayu dan rotan Industri lain	2,025 530	2,192 494	553 130	537 118
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	261	257	67	60
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	732	738	179	180
	32901 Pembuatan alat tulis Industri lain	153 579	148 590	37 142	36 144
323/ 32300	Pembuatan barangan sukan	71	68	19	18
324/ 32400	Pembuatan permainan dan mainan	236	263	63	66
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	1,319	1,407	359	355
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal Industri lain	275 1,043	312 1,095	80 279	76 279
Jumlah Pembuatan		94,528	97,789	24,517	24,165

		2024	2023	2024	Group Description/Period
Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)	
123	131	138	165	182	Manufacture of optical instruments, photographic equipment, magnetic and optical media
309	309	316	419	417	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
126	130	128	153	166	Manufacture of electric motors, generators and transformers
183	180	188	266	251	Manufacture of electricity distribution and control apparatus
141	143	142	177	192	Manufacture of batteries and accumulators
274	248	235	363	302	Manufacture of wiring and wiring devices
24	24	21	28	29	Manufacture of fibre optic cables
241	216	205	325	262	Manufacture of other electronic and electric wires and cables
8	8	9	10	12	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
66	68	70	78	90	Manufacture of electric lighting equipment
106	97	96	119	120	Manufacture of domestic appliances
107	117	117	149	156	Manufacture of other electrical equipment
1,084	1,139	1,130	1,511	1,487	Manufacture of general-purpose and special-purpose machinery
91	96	59	114	77	Manufacture of fluid power equipment
					Manufacture of other pumps, compressors, taps and valves
					Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
224	234	217	293	284	Manufacture of metal-forming machinery and machine tools
147	154	181	236	233	Manufacture of air-conditioning machines, including for motor vehicles
118	119	125	187	166	Manufacture of other special-purpose machinery n.e.c.
505	536	548	681	727	Other industry
279	287	261	360	341	Manufacture of motor vehicles
102	110	106	127	140	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
518	538	525	692	719	Manufacture of parts and accessories for motor vehicles
76	83	90	101	119	Building of ships and boats
209	212	218	294	291	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
132	135	136	179	182	Manufacture of motorcycles
24	22	22	41	29	Manufacture of bicycles and invalid carriages
53	55	60	74	80	Other industry
660	689	694	900	915	Manufacture of furniture
540	562	569	727	749	Manufacture of wooden and cane furniture
120	126	125	173	166	Other industry
61	68	67	89	89	Manufacture of jewellery, bijouterie and related articles
185	194	191	237	255	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
39	37	37	48	49	Manufacture of stationery
146	157	155	188	206	Other industry
16	16	16	25	21	Manufacture of sports goods
66	67	55	84	76	Manufacture of games and toys
338	355	362	481	485	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
69	87	86	106	116	Repair and maintenance of transport equipment except motorcycles and bicycles
269	268	276	374	369	Other industry
24,068	25,039	24,823	32,534	32,935	Total Manufacturing

Jadual **1.6a** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan (samb.)
Table : *Salaries and Wages Paid of Manufacturing Sector by Group (cont.)*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023						
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optik	41	40	44	41	39	42	40
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	111	104	107	97	101	102	104
	27101 Pembuatan motor elektrik, penjana dan transformer	42	37	36	38	40	41	40
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	69	67	70	59	62	61	64
272/ 27200	Pembuatan bateri dan akumulator	43	46	45	42	47	43	46
273	Pembuatan pendawaian dan peranti pendawaian	95	94	89	84	90	95	91
	27310 Pembuatan kabel gentian optikal	7	7	7	7	8	8	8
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	85	85	80	75	79	85	80
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	3	3	3	2	3	3	3
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	22	21	18	17	18	19	21
275/ 27500	Pembuatan perkakasan domestik	30	32	31	25	36	36	36
279/ 27900	Pembuatan kelengkapan elektrik lain	40	39	37	33	34	37	35
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	393	384	371	363	360	357	354
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	28	28	28	29	30	30	30
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	75	72	75	72	74	74	73
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	60	63	61	51	50	50	49
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	49 181	49 172	44 162	45 166	45 162	45 158	44 158
291 (29101 & 29102)	Pembuatan kenderaan bermotor	92	93	85	90	92	92	91
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	33	33	30	30	31	31	31
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	166	171	174	181	184	183	175
301 (30110 & 30120)	Pembinaan kapal dan bot	24	24	29	24	26	25	25
302, 303, 304 & 309	Pembuatan lokomotif keretapi, rolling stock, kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	72	74	74	74	74	71	71
	30910 Pembuatan motosikal	43	45	45	46	46	43	43
	30920 Pembuatan basikal dan invalid carriages	10	10	11	10	10	10	9
	Industri lain	19	18	19	18	19	18	19
310	Pembuatan perabot	233	225	224	217	223	215	216
	31001 Pembuatan perabot kayu dan rotan	190	182	181	174	185	178	177
	Industri lain	44	43	43	43	38	37	39
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	23	22	22	22	20	18	20
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	61	60	58	58	62	60	60
	32901 Pembuatan alat tulis	12	13	12	12	12	12	12
	Industri lain	49	47	46	46	50	48	48
323/ 32300	Pembuatan barangan sukan	6	6	6	6	6	6	6
324/ 32400	Pembuatan permainan dan mainan	21	21	22	20	22	23	21
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	119	120	120	122	119	115	113
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	26	28	26	26	25	25	23
	Industri lain	93	92	93	96	94	90	90
Jumlah Pembuatan		8,183	8,164	8,170	8,017	8,100	8,049	7,932

2024									Group Description/Period
Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
41	42	42	43	45	44	45	49	44	Manufacture of optical instruments, photographic equipment, magnetic and optical media
103	102	100	97	112	109	104	103	101	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
42	43	44	43	43	46	41	41	38	Manufacture of electric motors, generators and transformers
61	59	56	55	69	63	64	61	63	Manufacture of electricity distribution and control apparatus
47	48	48	48	47	44	50	48	50	Manufacture of batteries and accumulators
92	90	87	82	79	80	78	77	68	Manufacture of wiring and wiring devices
8	8	8	7	8	7	7	7	8	Manufacture of fibre optic cables
82	79	76	72	68	70	67	67	57	Manufacture of other electronic and electric wires and cables
3	3	3	3	2	3	3	3	3	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
23	22	22	21	26	24	23	23	20	Manufacture of electric lighting equipment
36	34	33	32	33	32	32	32	25	Manufacture of domestic appliances
35	37	38	36	42	42	37	38	40	Manufacture of other electrical equipment
363	367	370	368	400	386	380	365	356	Manufacture of general-purpose and special-purpose machinery
31	30	31	29	37	20	20	19	19	Manufacture of fluid power equipment
75	76	75	77	82	74	75	68	67	Manufacture of other pumps, compressors, taps and valves
48	49	49	50	55	58	63	61	51	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
36	37	39	38	42	44	41	40	41	Manufacture of metal-forming machinery and machine tools
173	175	177	174	185	190	181	177	178	Manufacture of air-conditioning machines, including for motor vehicles
94	93	93	92	103	90	90	81	80	Manufacture of other special-purpose machinery n.e.c.
35	36	36	36	38	36	36	33	34	Other industry
171	172	173	174	191	172	176	176	195	Manufacture of motor vehicles
25	26	26	28	29	29	28	32	29	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
68	70	72	69	71	71	73	74	74	Manufacture of parts and accessories for motor vehicles
43	46	47	43	45	45	45	47	46	Building of ships and boats
7	7	7	8	8	7	7	7	7	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
17	17	18	18	19	19	21	21	20	Manufacture of motorcycles
218	226	226	226	237	237	229	228	221	Manufacture of bicycles and invalid carriages
178	185	184	184	194	194	188	187	180	Other industry
40	41	42	42	42	43	42	41	41	Manufacture of furniture
20	21	21	23	24	22	23	23	22	Manufacture of wooden and cane furniture
62	63	63	63	68	64	64	64	63	Other industry
13	13	12	12	12	12	12	12	12	Manufacture of jewellery, bijouterie and related articles
48	50	51	51	56	51	52	52	52	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
5	5	5	5	5	5	5	5	5	Manufacture of stationery
22	23	22	20	25	18	18	20	21	Other industry
113	113	113	118	124	120	121	121	123	Manufacture of sports goods
23	23	24	29	34	27	30	29	30	Manufacture of games and toys
90	89	89	89	90	93	91	92	93	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
8,001	8,135	8,146	8,149	8,744	8,350	8,243	8,230	8,112	Repair and maintenance of transport equipment except motorcycles and bicycles
									Other industry
									Total Manufacturing

Jadual **1.6b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh			2023				2024	2023	2024
		2022	2023	Q1	Q2	Q3	Q4	Q1	(Jan. - Apr.)	(Jan. - Apr.)
101	Pemprosesan dan pengawetan daging	1.8	17.9	17.2	22.0	21.7	11.6	0.0	18.1	-0.5
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.7	6.0	6.0	6.6	7.8	3.6	0.0	5.7	-0.2
	10201 Pengetinan ikan, krustasea dan moluska									
	& 10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-3.0	7.4	8.3	8.7	10.7	2.2	-3.3	7.8	-3.5
	Industri lain	3.6	0.3	-3.0	-1.7	-3.1	9.2	15.0	-3.0	14.3
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	8.8	17.9	18.5	23.8	16.8	12.6	2.8	20.1	1.2
	10303 Pengetinan nanas									
	& 10304 Pembuatan jem, marmalad dan sajian jeli	-25.2	39.3	56.6	54.8	29.4	20.9	-4.0	59.7	-4.9
	Industri lain	12.0	16.6	16.4	22.0	15.9	12.0	3.3	17.9	1.7
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	6.6	7.9	8.5	7.8	7.8	7.5	5.7	8.7	6.3
	10404 Pembuatan minyak sayuran mentah dan bertapis									
	& 10406 Pembuatan sebatian lemak masakan	6.9	-0.1	5.5	1.9	-6.1	-1.2	-1.8	5.3	-1.9
	10405 Pembuatan minyak kelapa	-2.9	22.9	11.5	11.2	34.0	36.3	14.9	11.6	13.6
	Industri lain	7.0	8.1	8.7	8.2	8.1	7.3	5.9	8.9	6.7
105	Pembuatan produk tenusu	8.9	5.3	1.8	2.3	3.6	13.9	9.8	1.5	9.5
	10502 Pembuatan susu pekat, tepung dan sejat	10.0	5.1	2.3	2.8	1.9	13.6	10.2	2.1	9.8
	Industri lain	0.8	7.4	-1.6	-1.7	18.4	16.3	6.0	-3.2	7.3
106	Pembuatan produk bijian, kanji dan produk berkanji	1.0	3.9	2.7	6.1	3.4	3.3	-6.1	3.1	-7.7
	10611 Pengilangan beras	1.3	3.9	6.0	5.5	4.2	0.03	-6.20	5.9	-6.9
	10613 Pengilangan tepung	0.7	4.4	-0.7	7.1	3.2	8.0	-5.8	0.4	-8.8
	Industri lain	0.6	-0.1	1.7	3.2	-0.8	-4.3	-7.5	1.6	-6.3
107	Pembuatan produk makanan lain	9.8	7.9	8.2	5.3	8.5	9.3	5.6	7.6	5.5
	10711 Pembuatan biskut dan cookies	17.0	14.3	12.6	10.9	16.8	16.8	6.2	12.2	6.2
	10712 Pembuatan roti, kek dan produk bakeri lain	-0.1	6.7	9.1	6.5	6.5	5.1	4.4	8.8	4.6
	10713 Pembuatan produk snek	13.5	7.9	12.3	3.0	6.0	10.3	12.8	11.1	13.6
	10721 Pembuatan gula	7.3	-11.9	-22.0	-17.3	-10.9	5.6	10.3	-21.5	10.9
	10731 Pembuatan produk koko	13.2	4.9	-4.8	3.9	12.2	8.9	0.6	-4.2	0.1
	10732 Pembuatan coklat dan produk coklat									
	& 10733 Pembuatan konfeksi gula	15.6	1.0	2.4	-7.1	1.1	7.4	2.4	0.3	2.8
	10793 Pembuatan sos dan bahan perasa	1.6	16.3	9.1	12.3	18.8	24.8	29.2	11.1	26.8
	10799 Pembuatan produk makanan lain t.t.t.l.	26.4	17.2	18.9	15.8	19.0	15.2	2.7	17.0	2.5
	Industri lain	10.3	4.3	6.4	2.7	4.3	3.8	-0.3	5.4	-0.4
108/ 10800	Pembuatan makanan haiwan tersedia	1.5	7.6	7.2	6.4	8.1	8.4	-0.7	6.6	-0.9
110	Pembuatan minuman ringan	4.8	7.7	6.9	8.3	8.5	7.2	6.7	7.1	6.9
	11041 Pembuatan minuman ringan	9.0	9.4	11.9	12.6	8.8	5.1	4.2	11.9	4.4
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-0.8	1.4	-5.5	-2.1	5.2	8.4	7.2	-4.6	6.3
	Industri lain	-15.2	12.9	3.3	1.8	18.0	28.2	33.8	2.6	37.5
120/ 12000	Pembuatan produk tembakau	2.6	4.8	4.5	8.5	5.2	1.7	-3.5	5.6	-3.3
131	Pemintalan, penenunan dan penyiapan tekstil	7.8	-2.5	-4.4	-2.1	-0.3	-3.0	1.5	-3.9	2.3
	13110 Penyediaan dan pemintalan gentian tekstil									
	& 13120 Penenunan tekstil	7.2	0.3	-4.9	1.5	4.7	0.1	4.8	-3.7	5.5
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	9.5	-8.9	-3.6	-9.8	-12.0	-10.1	-5.8	-4.4	-4.9
	Industri lain	1.5	1.4	-1.0	-3.8	10.8	0.03	-0.82	-3.3	1.2
139	Pembuatan tekstil lain	-2.9	13.1	12.3	16.9	12.8	10.8	3.0	13.5	2.2
	13910 Pembuatan fabrik dikait dan dikrusye	-12.6	3.3	-5.4	10.6	6.3	2.3	0.9	-1.7	0.1
	Industri lain	2.0	17.5	20.5	19.6	15.5	14.5	3.8	20.4	3.0
141	Pembuatan pakaian, kecuali pakaian berbulu	5.9	5.8	6.0	8.5	5.6	3.4	2.7	6.5	2.5
	14102 Pembuatan pakaian	3.2	6.3	7.7	9.2	5.2	3.4	7.1	8.3	6.8
	Industri lain	12.1	4.8	2.7	7.0	6.4	3.4	-6.5	2.9	-6.5
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1.9	-1.6	-5.5	-7.2	1.5	5.5	6.4	-4.9	6.6
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1.5	5.2	4.3	8.4	5.1	3.1	-0.2	5.3	0.5
152	Pembuatan kasut	7.6	6.5	6.0	6.1	6.9	7.1	2.7	5.4	2.6
	15201 Pembuatan kasut kulit									
	& 15203 Pembuatan kasut getah	9.1	2.8	5.8	4.6	2.0	-1.1	-6.6	5.2	-6.8
	Industri lain	3.7	16.2	6.6	9.9	19.9	29.0	26.1	6.0	25.9
161/ 16100	Pengilangan dan pengetaman kayu	-5.0	1.1	-2.2	-1.6	3.7	4.7	2.0	-2.0	3.1

2023					2024												Group Description/Period				
Jan.	Feb.	Mar.	Apr.	May	Jun.	Jul.	Aug.	Sep.	Oct.	Nov.	Dec.	Jan.	Feb.	Mar.	Apr.						
16.1	17.3	18.5	20.9	21.0	24.0	20.0	20.7	24.3	24.2	13.6	-0.4	-1.8	0.2	1.7	-1.9	Processing and preserving of meat					
3.6	7.2	7.3	4.6	7.4	7.9	7.6	7.5	8.3	3.9	2.6	4.3	0.9	0.1	-1.0	-1.0	Processing and preserving of fish, crustaceans and molluscs Canning of fish, crustaceans and molluscs					
5.7	8.8	10.4	6.5	10.5	9.1	11.2	10.6	10.4	4.3	0.7	1.8	-2.3	-2.9	-4.9	-3.9	Processing, curing and preserving of fish, crustacean and molluscs					
-5.0	0.9	-4.7	-2.9	-4.5	2.6	-5.9	-3.6	0.3	2.2	10.6	15.5	15.0	13.3	16.7	12.1	Other industry					
15.3	19.7	20.6	25.0	23.2	23.4	20.0	14.7	15.6	14.5	13.0	10.2	6.4	-0.6	2.8	-3.2	Processing and preserving of fruits and vegetable Pineapple canning					
48.8	50.8	70.3	69.3	55.1	42.3	32.9	28.7	26.6	22.1	22.6	18.2	7.2	-8.7	-9.0	-7.4	Manufacture of jams, marmalades and table jellies					
13.5	17.8	17.8	22.6	21.3	22.2	19.1	13.8	14.9	14.0	12.4	9.7	6.4	-0.02	3.8	-2.9	Other industry					
9.8	8.5	7.3	9.2	8.4	6.0	6.8	7.7	9.1	9.1	7.9	5.7	5.3	7.0	4.7	8.1	Manufacture of vegetable and animal oils and fats Manufacture of crude and refined vegetable oil					
6.8	5.1	4.7	4.7	1.4	-0.2	-11.2	-5.5	-1.4	0.8	-2.6	-1.9	-2.4	-2.2	-1.0	-2.2	Manufacture of compound cooking fats					
14.0	10.5	10.2	11.6	11.3	10.7	32.9	32.9	36.2	39.0	36.8	33.1	12.0	12.9	19.7	9.7	Manufacture of coconut oil					
10.0	8.7	7.4	9.5	8.9	6.3	7.4	7.9	9.0	8.8	7.8	5.5	5.6	7.5	4.6	8.8	Other industry					
-0.3	4.1	1.6	0.6	-1.1	7.8	-0.8	3.5	8.3	9.3	8.4	24.0	22.9	-1.0	8.0	8.7	Manufacture of dairy products					
-0.2	4.9	2.1	1.7	-1.4	8.6	-2.6	1.8	6.4	8.3	6.7	25.9	25.9	-2.4	8.3	8.4	Manufacture of condensed, powdered and evaporated milk					
-0.7	-2.2	-1.8	-7.7	1.0	1.8	14.0	17.5	24.0	17.1	21.6	10.3	1.4	10.7	6.4	11.0	Other industry					
0.5	4.4	3.2	4.3	4.4	9.5	3.9	0.6	5.8	4.6	1.7	3.4	2.7	-11.0	-10.0	-12.1	Manufacture of grain mill products, starches and starch products					
-0.5	9.2	9.5	5.6	6.6	4.4	6.9	2.1	3.5	2.7	-0.8	-1.9	-1.4	-8.9	-8.0	-8.9	Rice milling					
0.1	0.3	-2.5	3.5	2.6	15.4	1.2	-0.9	9.8	8.2	5.8	9.9	9.8	-14.2	-13.6	-16.9	Flour milling					
10.5	-2.6	-3.2	1.2	1.5	7.1	0.5	-0.01	-2.8	-4.5	-6.2	-2.4	-12.8	-6.3	-2.3	-2.8	Other industry					
10.8	9.3	4.7	5.7	6.3	3.9	7.4	8.7	9.5	10.0	8.5	9.4	6.0	5.7	5.1	5.1	Manufacture of other food products					
12.6	15.1	10.2	11.1	12.6	9.1	18.5	15.6	16.4	16.9	16.0	17.5	7.5	5.6	5.3	6.2	Manufacture of biscuits and cookies					
12.6	9.4	5.4	8.0	6.7	4.8	10.2	8.7	1.1	4.1	4.6	6.5	2.4	7.6	3.1	5.4	Manufacture of bread, cakes and other bakery products					
6.2	19.1	12.4	7.3	2.9	-0.8	3.2	6.2	8.7	10.9	9.4	10.6	13.9	11.1	13.5	16.0	Manufacture of snack products					
-15.6	-17.9	-31.4	-19.9	-15.6	-16.6	-13.5	-10.7	-8.4	-9.1	-1.1	34.2	3.5	9.2	18.8	12.7	Manufacture of sugar					
-8.9	2.8	-7.6	-2.6	9.3	6.5	15.2	11.3	10.2	8.7	7.5	10.5	12.7	-8.3	-2.3	-1.1	Manufacture of cocoa products					
8.4	6.3	-6.4	-5.8	-6.2	-9.2	-5.2	-0.1	8.7	10.4	11.0	1.8	5.4	0.8	1.0	4.2	Manufacture of chocolate and chocolate products					
5.3	3.6	18.0	17.2	10.6	9.2	11.2	19.3	25.8	24.6	24.4	25.3	27.1	35.3	25.9	19.7	Manufacture of sugar confectionery					
29.2	15.3	12.4	11.6	19.4	16.3	17.2	19.4	20.4	17.3	11.1	17.3	6.2	-0.7	2.3	1.9	Manufacture of sauces and condiments					
8.9	8.7	1.7	2.5	3.9	1.7	2.5	3.6	6.7	6.4	3.2	1.9	0.3	-0.6	-0.5	-1.0	Manufacture of other food products n.e.c.					
3.3	11.7	6.6	5.0	8.2	6.1	8.3	6.7	9.3	10.9	14.2	1.7	10.6	-6.8	-5.3	-1.4	Manufacture of prepared animal feeds					
7.9	4.0	9.0	7.8	8.4	8.7	9.2	7.9	8.4	8.8	8.4	4.7	6.6	6.4	7.1	7.3	Manufacture of beverages					
13.5	8.2	14.1	12.1	12.3	13.3	13.6	7.0	6.1	6.5	6.9	2.4	4.1	3.8	4.7	5.2	Manufacture of soft drinks					
-5.8	-7.6	-3.0	-2.2	-2.3	-1.9	-1.8	7.6	9.8	10.6	7.9	6.9	8.5	8.6	4.4	3.7	Production of natural mineral waters and other bottled waters					
3.3	3.6	2.9	0.5	6.2	-1.0	3.7	18.8	31.2	29.0	29.5	26.4	28.9	27.5	46.6	49.7	Other industry					
3.8	4.1	5.6	9.7	8.3	7.6	5.3	5.1	5.2	4.0	1.1	0.5	-0.9	-5.8	-3.8	-2.6	Manufacture of tobacco products					
-1.2	-7.4	-4.6	-2.5	-1.5	-2.4	-0.6	1.2	-1.4	-3.0	-2.6	-3.3	1.8	1.8	0.8	4.7	Spinning, weaving and finishing of textiles					
0.7	-10.6	-4.8	-0.1	2.7	1.8	6.6	6.9	0.7	-0.9	-0.1	1.1	5.5	6.4	2.6	7.5	Preparation and spinning of textile fibres					
-4.6	-1.2	-4.9	-7.0	-10.1	-12.0	-17.0	-11.8	-7.1	-8.7	-8.5	-13.0	-6.6	-7.5	-3.3	-2.0	Weaving of textiles					
-10.0	4.0	3.2	-10.4	-7.8	7.5	12.3	12.4	7.9	4.6	-2.2	-2.3	-0.9	-0.5	-1.1	8.1	Dyeing, bleaching, printing and finishing of yarns and fabrics					
9.9	11.5	15.6	17.1	16.8	16.7	12.8	12.8	12.9	12.8	9.5	10.1	3.4	2.0	3.6	-0.02	Manufacture of other textiles					
-7.3	-7.7	-0.9	10.6	9.6	11.6	5.1	6.8	7.2	6.4	0.5	0.1	1.6	-4.5	5.8	-2.3	Manufacture of knitted and crocheted fabrics					
18.0	20.9	22.8	19.9	20.0	18.9	16.0	15.3	15.2	15.6	13.5	14.5	4.1	4.5	2.8	0.9	Other industry					
6.1	5.7	6.3	8.0	7.1	10.5	6.0	4.9	5.9	5.7	4.0	1.0	2.2	2.8	3.2	1.9	Manufacture of wearing apparel, except fur					
8.2	7.6	7.3	10.2	7.6	9.9	6.3	4.6	4.7	4.6	4.9	1.2	5.3	7.3	8.7	5.9	Manufacture of clothings					
1.8	2.0	4.2	3.8	6.1	11.6	5.3	5.6	8.4	8.0	2.1	0.4	-4.7	-6.6	-8.1	-6.6	Other industry					
-8.4	-3.3	-4.3	-3.2	-8.8	-9.4	-7.3	6.1	6.8	6.5	8.1	2.1	0.4	9.7	9.6	7.4	Manufacture of articles of fur, knitted and crocheted apparel					
3.0	4.1	6.0	8.4	8.2	8.6	11.8	1.8	2.2	4.3	0.7	4.3	-0.7	-0.8	1.0	2.4	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur					
5.0	7.0	6.1	3.5	6.4	8.4	8.4	5.9	6.5	7.2	8.9	5.2	4.0	3.2	0.9	2.1	Manufacture of footwear					
4.4	6.7	6.3	3.3	4.3	6.3	4.9	0.6	0.6	1.1	0.9	-5.2	-5.7	-5.3	-8.8	-7.3	Manufacture of leather footwear					
6.5	7.8	5.6	4.0	12.1	14.0	17.4	19.8	22.3	23.1	29.4	34.4	28.9	24.6	24.8	25.5	Manufacture of rubber footwear					
-3.5	-2.5	-0.5	-1.5	-1.0	-2.3	4.6	3.5	2.8	5.3	5.6	3.1	0.4	0.5	5.3	6.4	Sawmilling and planing of wood					

Jadual **1.6b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Apr.)	(Jan. - Apr.)
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	7.9	5.8	5.9	6.1	5.9	5.4	2.6		6.0	2.8
16211	Pembuatan kepingan venier dan papan lapis	7.9	3.4	3.0	5.0	3.9	2.1	3.9		3.5	4.5
16212	Pembuatan papan partikel dan papan gentian	19.0	8.0	8.2	2.0	8.3	13.8	6.3		7.1	4.1
16221	Pertukangan kayu untuk jurubina	5.3	11.6	14.3	14.8	12.2	5.4	-6.8		14.4	-6.3
	Industri lain	2.5	3.6	1.9	1.5	2.1	8.8	8.6		1.6	9.6
170	Pembuatan kertas dan produk kertas	4.1	2.3	4.7	1.4	1.3	1.6	1.1		3.9	0.9
17010	Pembuatan pulpa, kertas dan kertas tebal	12.1	-20.6	-9.5	-26.6	-26.4	-19.8	-5.1		-11.0	-3.6
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	3.9	9.5	12.9	9.7	9.0	6.7	4.4		11.9	3.6
17091	Pembuatan sampul surat dan kad surat	-8.9	-1.6	-1.7	-0.2	-5.1	0.8	2.9		-0.6	2.8
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	8.3	6.0	10.9	4.2	1.9	6.5	1.1		7.9	1.1
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-12.4	-8.1	-13.5	-4.7	-3.5	-9.6	-10.2		-11.8	-10.2
	Industri lain	14.3	11.7	8.0	10.6	14.3	13.9	6.6		8.4	5.9
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	4.2	6.3	4.8	7.3	7.8	5.2	4.9		5.2	5.2
18110	Percetakan	4.7	6.4	5.1	7.3	7.7	5.7	5.3		5.7	5.4
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	1.2	5.2	2.8	7.8	8.1	2.5	2.8		2.9	4.0
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	1.6	5.9	7.7	7.1	2.6	6.1	0.8		7.8	0.7
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	4.7	0.5	8.0	1.8	-4.3	-3.4	-10.7		7.8	-10.6
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	31.2	21.3	23.0	12.5	20.1	29.4	-6.2		20.3	-6.9
20112 & 20113	Pembuatan kimia organik asas	7.0	-2.5	9.0	1.2	-10.7	-9.0	-23.6		9.3	-22.5
20121 & 20129	Pembuatan sebatian bukan organik	-9.5	-7.6	-6.8	-1.8	-7.7	-14.1	-10.7		-5.3	-11.3
20131	Pembuatan produk campuran nitrogen	-2.3	3.5	6.4	2.1	3.3	2.4	14.6		5.4	12.9
	Industri lain	15.0	-9.0	9.0	-10.0	-18.0	-15.8	-13.5		6.9	-10.8
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	0.4	3.2	0.3	3.5	5.9	3.3	6.2		0.9	6.5
20210	Pembuatan racun perosak dan produk agrokimia lain	7.7	17.4	6.8	22.6	20.1	20.6	16.8		7.6	15.2
20221	Pembuatan cat, varnis dan penyadur dan mastik	6.2	16.1	7.7	18.8	24.7	14.9	12.4		9.2	12.7
20222	Pembuatan dakwat cetak	-15.5	-10.3	-13.1	-8.3	-7.2	-12.5	-14.9		-13.0	-13.7
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	-6.4	6.2	2.9	10.7	10.7	1.5	-2.5		4.8	-2.8
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	8.5	-4.8	-4.0	-11.3	-5.1	0.7	16.3		-5.0	17.6
20299	Pembuatan dakwat menulis dan melukis										
	Industri lain	6.2	-12.7	2.6	-4.7	-18.7	-30.3	-31.7		1.1	-31.2
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	10.0	1.9	4.6	0.7	0.9	1.9	1.4		3.6	1.2
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	9.6	-0.9	3.9	-1.2	-2.8	-2.9	-1.7		3.0	-1.8
	Industri lain	11.3	13.1	7.1	7.9	14.7	21.9	13.1		6.1	12.6
221	Pembuatan produk getah	0.0	-1.4	0.5	-5.7	-1.2	1.1	1.9		0.2	0.9
22111	Pembuatan tayar getah untuk kenderaan	8.0	25.7	41.6	23.4	20.8	20.0	-10.2		41.5	-15.7
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	16.1	27.3	25.3	23.6	29.3	30.6	26.6		24.4	26.7
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	8.0	4.4	6.3	3.4	0.4	7.7	5.8		6.5	4.6
2024	Pengilangan semula getah dan prosesan susu getah										
22192	Pembuatan sarung tangan getah	-3.5	-8.6	-8.2	-14.8	-7.0	-3.9	5.8		-8.7	5.6
22199	Pembuatan produk getah lain yang t.t.t.l.	-2.7	-4.0	-3.1	-5.4	-1.2	-6.4	-8.3		-4.2	-8.4
222	Pembuatan produk plastik	4.8	2.7	8.0	2.3	-0.3	1.1	0.7		7.1	0.7
22201 & 22202	Pembuatan produk plastik separa siap	3.3	0.9	14.0	1.7	-3.8	-6.7	-9.6		11.7	-9.9
22203	Pembuatan produk plastik siap										
22203	Pembuatan artikel plastik untuk pembungkusan barangan	16.0	19.5	36.8	27.4	15.6	1.9	-4.1		34.8	-3.9
22204	Pembuatan barangan plastik jurubina	5.4	17.5	16.9	25.8	15.9	11.4	6.7		17.3	4.8
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	4.9	-2.3	-1.7	-1.9	-4.1	-1.5	2.2		-1.8	2.6
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-0.5	-6.8	-13.7	-14.6	-7.6	9.6	17.8		-13.4	18.1
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	19.1	3.6	9.5	6.4	3.1	-3.8	0.1		9.1	2.1

2023												2024												
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar	Apr.									
4.1	7.2	6.5	6.3	6.1	5.8	5.6	6.4	5.8	5.9	6.1	4.3	4.3	1.7	1.8	3.4	Manufacture of products of wood, cork, straw and plaiting materials								
0.4	4.6	3.9	5.4	5.6	4.1	5.9	3.6	2.1	2.9	2.9	0.5	7.9	2.5	1.2	6.4	Manufacture of veneer sheets and plywood								
9.1	9.8	5.6	4.0	4.2	-2.2	4.3	10.5	10.1	11.5	15.9	14.0	5.2	5.4	8.4	-2.6	Manufacture of particle board and fibreboard								
14.2	14.4	14.2	14.6	12.6	17.2	10.2	13.6	12.8	9.2	9.7	-2.1	-7.4	-7.1	-5.8	-4.8	Manufacture of builders' carpentry								
-2.3	3.4	4.9	0.6	0.7	3.3	-0.2	1.8	4.7	6.4	3.2	16.8	9.7	8.5	7.6	12.4	Other industry								
4.1	5.0	4.9	1.8	1.7	0.8	0.7	1.1	2.1	3.2	1.3	0.5	2.3	0.3	0.8	0.4	Manufacture of paper and paper products								
-14.5	-4.3	-9.8	-15.4	-30.3	-33.3	-28.6	-26.5	-23.9	-21.4	-21.4	-16.3	-3.4	-9.0	-2.6	1.4	Manufacture of pulp, paper and paperboard								
10.2	14.3	14.4	9.0	10.8	9.2	11.0	7.6	8.6	9.9	6.2	4.2	4.6	4.3	4.2	1.4	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard								
-6.2	-1.2	2.6	2.9	-1.6	-1.9	-6.0	-5.4	-3.9	-1.1	2.8	0.8	3.2	1.0	4.3	2.7	Manufacture of envelopes and letter-card								
20.0	6.2	8.3	-0.9	7.2	6.7	-4.0	4.7	5.2	7.3	6.8	5.6	6.3	-0.9	-1.7	1.4	Manufacture of household and personal hygiene paper								
-12.3	-14.0	-14.3	-5.8	-4.4	-4.0	-0.5	-2.9	-7.0	-8.2	-9.9	-10.7	-11.5	-9.3	-9.8	-10.3	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper								
6.1	8.7	9.3	9.6	9.5	12.9	12.3	13.3	17.4	18.2	16.1	8.5	6.7	7.4	5.6	3.8	Other industry								
5.1	4.5	4.7	6.6	8.2	7.1	7.4	8.0	7.9	5.5	4.7	5.4	0.1	8.9	5.8	6.3	Printing, service activities related to printing and reproduction of recorded media								
5.3	5.1	5.0	7.3	8.0	6.5	7.3	7.8	8.1	5.3	5.6	6.2	-0.02	9.7	6.3	6.0	Printing								
4.0	1.3	3.1	3.0	9.6	10.8	8.2	8.8	7.1	6.8	0.1	0.9	0.7	4.9	3.1	8.0	Service activities related to printing								
																Reproduction of recorded media								
8.1	7.3	7.6	8.3	8.0	5.1	2.8	4.1	1.1	6.0	6.3	6.1	0.1	1.8	0.6	0.4	Manufacture of refined petroleum products								
9.0	6.1	8.9	6.9	-0.5	-1.2	-3.1	-4.5	-5.4	-4.3	-3.4	-2.5	-7.7	-10.6	-13.8	-10.1	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms								
7.6	26.9	34.2	12.3	15.6	9.8	21.1	16.2	23.0	24.9	32.3	31.3	9.9	-10.5	-14.9	-9.1	Manufacture of liquefied or compressed inorganic industrial or medical gases								
																Manufacture of basic organic chemicals								
10.6	6.5	10.0	10.1	-3.5	-3.0	-7.7	-10.8	-13.6	-12.0	-8.2	-6.8	-23.0	-22.6	-25.1	-19.1	Manufacture of inorganic compounds								
																Manufacture of fertilizers								
6.4	-13.2	-11.8	-0.6	-2.2	-2.5	-7.7	-6.9	-8.5	-9.0	-12.6	-20.0	-13.4	-10.9	-7.8	-13.2	Manufacture of associated nitrogen products								
5.6	5.7	7.8	2.6	2.7	1.0	2.3	3.7	4.0	4.2	-0.4	3.4	22.1	15.5	7.2	7.8	Manufacture of plastics in primary forms								
20.5	6.0	1.2	0.6	-15.8	-14.7	-21.5	-17.3	-15.1	-14.3	-19.9	-13.5	-12.5	-13.5	-14.5	-2.4	Other industry								
-0.9	2.7	-0.9	2.6	3.6	4.2	4.1	6.6	7.0	7.2	4.7	-1.2	2.7	6.6	9.3	7.3	Manufacture of other chemical products and man-made fibres								
-1.5	10.5	11.2	10.0	26.3	33.5	25.9	19.6	14.9	22.0	17.3	22.7	20.1	20.7	11.0	11.0	Manufacture of pesticides and other agrochemical products								
-3.5	22.3	5.6	14.1	21.8	20.9	16.8	30.8	26.5	21.6	17.1	7.3	9.5	13.7	13.9	13.4	Manufacture of paints, varnishes and similar coatings ink and mastics								
-13.3	-13.7	-12.2	-12.6	-5.9	-6.1	-5.2	-7.4	-9.0	-11.4	-11.2	-14.6	-15.7	-11.0	-17.9	-10.1	Manufacture of printing ink								
																Manufacture of soap and detergents, cleaning and polishing preparations								
2.8	5.1	0.7	11.3	10.6	10.2	12.8	11.3	8.1	6.7	3.0	-3.9	-5.8	-5.1	3.3	-3.9	Manufacture of perfumes and toilet preparations								
																Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials								
0.2	-6.1	-6.2	-8.2	-13.0	-12.7	-11.2	-5.1	1.7	4.0	3.2	-4.1	8.7	18.8	22.5	21.7	Manufacture of writing and drawing ink								
																Manufacture of other chemical products n.e.c.								
2.9	8.9	-4.1	-3.2	-4.6	-6.2	-0.2	-26.2	-30.0	-33.5	-28.4	-28.9	-32.4	-33.2	-29.1	-29.9	Other industry								
6.7	3.2	3.8	1.1	0.6	0.3	0.8	1.2	0.6	0.7	2.3	2.5	1.4	0.8	1.9	0.7	Manufacture of pharmaceuticals, medicinal chemical and botanical products								
																Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments								
6.4	2.7	2.6	0.5	-2.2	-1.9	-2.6	-2.2	-3.7	-5.2	-2.3	-1.3	-1.1	-2.1	-2.0	-2.1	Other industry								
7.7	5.1	8.5	3.3	11.6	8.8	13.4	13.6	17.1	25.5	20.1	20.2	11.2	11.6	16.6	11.4	Other industry								
-3.7	2.4	3.0	-0.9	-6.2	-9.1	-3.7	-0.2	0.4	1.7	1.0	0.6	5.2	0.9	-0.3	-2.0	Manufacture of rubber products								
44.6	58.7	24.3	41.2	17.6	14.2	22.2	19.9	20.4	20.4	19.6	20.1	-1.5	-13.7	-16.2	-31.4	Manufacture of rubber tyres for vehicles								
17.5	28.2	29.8	22.2	26.1	22.4	27.6	29.9	30.4	28.2	30.7	33.1	32.1	23.9	24.4	26.9	Manufacture of interchangeable tyre treads and retreading rubber tyres								
																Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened								
5.3	5.5	8.0	6.9	4.1	-0.7	2.0	-0.5	-0.1	8.6	7.8	6.7	12.1	0.5	4.9	1.5	Rubber remilling and latex processing								
-14.9	-4.6	-4.8	-9.9	-15.9	-17.7	-12.6	-4.3	-3.8	-3.8	-4.7	-3.2	7.9	5.0	4.7	5.0	Manufacture of rubber gloves								
-5.6	-7.6	4.2	-7.5	-3.6	-5.0	1.3	-2.8	-2.0	-3.8	-4.3	-11.0	-7.7	-3.5	-13.4	-8.8	Manufacture of other rubber products n.e.c.								
10.8	8.8	4.7	4.7	1.4	0.9	0.7	-1.1	-0.5	0.4	3.0	-0.1	0.9	1.6	-0.4	0.8	Manufacture of plastics products								
																Manufacture of semi-manufactures of plastic products								
20.3	19.7	2.7	5.4	-1.6	1.5	-4.3	-4.5	-2.7	-4.7	-3.3	-11.7	-9.9	-10.1	-8.8	-10.6	Manufacture of finished plastic products								
37.1	36.6	36.7	29.5	27.4	25.3	27.1	9.7	10.0	1.3	2.3	2.2	-0.7	0.2	-10.5	-3.5	Manufacture of plastic articles for the packing of goods								
13.2	18.3	19.2	18.5	29.1	30.1	27.1	9.9	10.7	10.9	10.9	12.4	12.5	3.4	4.5	-0.8	Manufacture of builders' plastics ware								
-1.1	-0.7	-3.2	-2.3	-2.1	-1.4	-5.4	-2.4	-4.6	-1.1	-1.8	-1.5	1.3	1.7	3.5	3.7	Manufacture of plastic tableware, kitchenware and toilet articles								
-11.4	-15.4	-14.3	-12.5	-14.4	-16.8	-12.4	-5.3	-5.0	5.3	11.6	11.9	15.6	18.4	19.5	18.8	Manufacture of diverse plastic products n.e.c.								
12.0	9.4	7.1	7.9	4.5	7.0	4.4	4.9	0.1	-1.4	-3.9	-5.8	-5.5	0.05	6.3	8.3	Manufacture of glass and glass products								

Jadual : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
Table : Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change

1.6b

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Apr.)	(Jan. - Apr.)
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3.5	2.2	0.1	0.1	2.7	5.8	6.3		-0.3	6.2
23911	Pembuatan mortar refraktori dan konkrit										
23921	Pembuatan seramik bukan refraktori	-14.7	2.9	1.1	2.9	3.3	4.2	17.7		1.6	16.6
23930	Pembuatan produk porselin dan seramik lain	7.4	-14.1	-15.2	-18.1	-12.5	-10.3	-9.0		-15.8	-6.8
23941	Pembuatan simen hidrolik	-3.3	5.6	5.1	7.1	6.9	3.2	-8.0		5.1	-10.2
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	7.5	-3.8	-3.4	-6.7	-5.2	-0.01	7.80		-4.8	8.6
23952	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;										
23953	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	2.1	5.1	0.9	3.3	6.5	9.7	5.6		1.3	5.1
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.										
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	11.4	9.8	6.1	6.5	11.2	15.0	11.2		6.2	11.8
	Industri lain	12.0	-1.9	-1.0	-4.7	-2.9	0.9	6.2		-3.9	6.6
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	7.2	1.2	1.5	0.7	1.9	0.5	-0.1		1.1	-0.1
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-1.9	5.1	7.9	7.9	3.1	1.6	4.2		8.3	5.9
243	Pengacuan logam	0.4	-4.3	-3.7	-2.0	-6.8	-4.9	0.7		-3.4	1.2
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	0.7	4.8	4.1	6.0	6.2	2.9	6.7		4.4	5.4
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-4.4	5.9	5.7	9.2	9.3	-0.3	-2.6		5.9	-3.6
25119	Pembuatan produk struktur logam lain										
25120	Pembuatan tangki, takungan dan kontena daripada logam	9.3	3.5	1.3	2.5	2.4	7.8	22.1		1.8	20.2
	Industri lain	-1.0	4.0	6.0	3.5	5.2	1.6	1.8		5.7	0.9
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3.7	5.8	4.1	4.4	6.2	8.4	7.5		4.2	8.5
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-1.8	-1.4	-5.0	-5.3	0.8	4.2	3.9		-5.0	4.5
25920	Rawatan dan penyalutan logam; menggunakan mesin	1.3	-4.8	-2.9	-4.7	-5.0	-6.6	1.1		-2.5	2.2
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	13.4	16.8	19.8	16.7	16.5	14.7	16.2		18.7	17.1
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	14.2	10.2	5.1	12.6	10.4	13.0	17.3		7.4	17.8
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25994	Pembuatan barangan rumah daripada logam	-7.2	0.3	1.2	-5.3	-1.0	6.6	9.9		0.7	9.5
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	5.0	5.7	10.3	2.3	3.2	6.9	-0.6		8.3	2.1
	Industri lain	-29.1	13.4	-10.2	11.7	27.2	32.5	2.4		-8.3	-0.3
261	Pembuatan komponen dan papan elektronik	3.5	0.4	1.5	3.2	-1.2	-1.7	-7.5		1.8	-8.2
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya										
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	1.8	0.6	1.2	1.1	0.9	-0.8	-5.0		1.7	-6.0
26103	Pembuatan kapasitor dan perintang elektrik										
26104	Pembuatan papan litar bercetak	7.2	0.3	2.3	7.9	-5.2	-3.6	-13.3		2.4	-13.7
26105	Pembuatan komponen paparan										
26109	Pembuatan komponen lain untuk aplikasi elektronik	2.4	-0.9	-0.7	0.9	-4.3	0.3	2.0		-1.3	1.6
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	5.7	3.1	0.9	0.9	4.7	5.9	5.1		1.2	4.4
263/ 26300	Pembuatan peralatan komunikasi	18.5	-0.7	8.7	0.8	-4.8	-7.1	-6.1		4.0	-5.5
264/ 26400	Pembuatan peralatan elektronik pengguna	17.7	-0.2	-0.1	-4.9	-1.2	5.1	-5.5		-1.8	-8.5
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	44.8	21.3	20.8	29.5	23.7	12.9	26.5		23.0	26.2
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	48.2	22.4	22.2	31.3	24.6	13.5	28.5		24.4	28.0
26512	Pembuatan kelengkapan kawalan proses perindustrian										
26520	Pembuatan jam tangan dan jam dan bahagiannya	11.3	6.8	6.6	6.1	11.3	3.1	2.4		7.5	2.2
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	4.5	-1.2	7.2	4.3	-8.0	-7.8	2.5		7.9	0.6

2023												2024				Group Description/Period									
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.										
2.1	-0.2	-1.5	-1.5	1.1	0.8	0.9	2.5	4.6	4.4	6.4	6.6	5.9	6.9	6.1	6.1	Manufacture of non-metallic mineral products									
Manufacture of refractory mortars and concretes																									
3.4	-0.2	0.3	3.1	-0.5	6.2	-0.5	4.6	5.8	4.6	2.4	5.3	15.0	19.8	18.2	13.5	Manufacture of non-refractory ceramic									
5.0	-27.0	-22.3	-17.9	-17.2	-19.3	-12.6	-12.3	-12.5	-13.8	-10.3	-6.8	-24.3	0.7	1.5	0.5	Manufacture of other porcelain and ceramic products									
2.1	8.0	5.6	5.2	8.3	7.8	7.2	8.5	5.0	3.5	3.7	2.3	1.7	-13.3	-13.2	-16.7	Manufacture of hydraulic cement									
-1.3	0.02	-8.6	-8.9	-5.3	-5.8	-6.3	-7.5	-1.9	-4.5	2.7	2.0	6.2	6.1	11.1	11.1	Manufacture of ready-mix and dry-mix concrete and mortars									
Manufacture of precast concrete, cement or artificial stone articles for use in construction																									
3.2	-1.9	1.3	2.6	4.6	2.6	4.9	6.4	8.1	8.6	9.6	10.9	5.9	6.5	4.51	3.70	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone									
Manufacture of other articles of concrete, cement and plaster n.e.c.																									
3.5	8.4	6.4	6.8	6.9	5.9	6.1	13.3	14.1	15.6	17.3	12.5	13.5	13.3	7.0	13.6	Manufacture of other non-metallic mineral products n.e.c.									
0.9	0.7	-4.4	-10.9	-2.0	0.1	-3.1	-4.4	-1.1	1.0	-0.5	2.1	4.3	7.3	7.0	7.7	Other industry									
3.7	2.0	-1.0	-0.2	2.3	-0.01	1.9	2.4	1.4	0.7	0.3	0.7	2.2	-2.3	-0.4	0.1	Manufacture of basic iron and steel									
3.4	8.3	12.5	9.8	7.1	6.9	6.0	1.0	2.3	1.4	1.7	1.8	3.3	4.1	5.3	11.2	Manufacture of basic precious and other non-ferrous metals									
1.6	-7.1	-5.6	-2.6	-3.4	0.2	-8.7	-5.6	-6.0	-3.6	-5.8	-5.1	-1.1	5.3	-2.0	2.8	Casting of metals									
1.2	4.7	6.6	5.1	6.1	6.9	6.3	8.3	4.1	2.4	0.4	5.9	9.8	6.2	4.2	1.6	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition									
Manufacture of metal doors, windows and their frames, shutters and gates																									
0.3	6.7	10.6	6.4	8.4	13.0	11.0	13.8	3.5	2.5	-1.0	-2.2	3.7	-5.8	-5.7	-6.4	Manufacture of other structural metal products									
1.2	1.5	1.3	3.4	3.2	0.9	1.3	2.2	3.7	1.2	2.7	19.7	22.6	22.7	20.9	14.3	Manufacture of tanks, reservoirs and containers of metal									
5.7	5.9	6.3	4.8	4.7	1.0	2.1	5.3	8.4	5.8	-0.6	0.0	-2.2	8.7	-1.0	-1.7	Other industry									
1.8	6.3	4.3	4.6	4.5	4.0	5.0	5.7	7.8	8.6	7.8	8.8	8.0	6.3	8.0	11.9	Manufacture of other fabricated metal products; metal working service activities									
Forging, pressing, stamping and roll-forming of metal; powder metallurgy																									
-3.5	-5.7	-5.8	-5.1	-5.8	-4.9	-0.8	0.1	3.2	4.0	4.2	4.3	2.8	2.9	6.0	6.3	Treatment and coating of metals; machining									
-2.9	-2.3	-3.6	-1.2	-5.5	-7.2	0.1	-7.2	-8.1	-8.4	-11.9	-0.3	-0.6	-0.1	4.1	5.6	Manufacture of tins and cans for food products, collapsible tubes and boxes									
21.1	22.3	16.0	15.3	19.7	15.2	16.6	19.7	13.5	16.2	16.1	11.9	16.0	17.2	15.4	20.1	Manufacture of metal cable, plaited bands and similar articles									
0.03	8.1	7.3	15.3	11.6	11.0	8.4	9.6	13.4	13.0	11.7	14.2	18.1	16.0	17.9	19.4	Manufacture of bolts, screws, nuts and similar threaded products									
-0.6	6.1	-1.5	-0.9	-6.3	-8.5	-5.1	-1.9	4.3	7.1	6.2	6.5	8.5	12.4	8.8	8.4	Manufacture of metal household articles									
10.6	11.2	9.0	2.3	2.1	2.5	1.1	2.5	5.8	7.6	7.0	6.1	-1.2	-1.1	0.4	11.3	Manufacture of any other fabricated metal products n.e.c.									
-32.6	7.0	1.2	-2.3	21.3	20.9	20.3	25.9	35.2	33.9	34.5	29.4	27.8	-8.2	-8.1	-7.9	Other industry									
-0.3	0.4	4.4	3.0	3.9	2.7	-1.8	-0.7	-1.3	-1.2	-1.0	-2.8	-4.7	-8.6	-9.0	-10.5	Manufacture of electronic components and boards									
-1.3	-0.2	5.2	3.5	0.9	-0.9	0.5	1.9	0.3	0.2	-1.0	-1.6	-3.2	-4.8	-7.0	-9.0	Manufacture of diodes, transistors and similar semiconductor devices									
Manufacture of electronic integrated circuits micro assemblies																									
Manufacture of electrical capacitors and resistors																									
1.9	1.1	3.9	3.0	10.6	10.4	-7.0	-4.5	-4.3	-4.2	-1.0	-5.4	-8.8	-16.7	-14.3	-14.8	Manufacture of printed circuit boards									
Manufacture of display components																									
-1.1	3.2	-3.9	-3.0	-1.1	7.3	1.8	-11.8	-3.0	0.9	-1.0	1.0	5.5	-0.1	0.7	0.4	Manufacture of other components for electronic applications									
0.6	7.8	-5.6	2.2	5.3	-4.9	6.7	4.9	2.9	3.0	8.1	6.4	6.6	2.9	5.8	2.5	Manufacture of computers and peripheral equipment									
10.8	8.1	7.3	-8.5	4.3	8.3	-8.0	-2.4	-4.0	-4.9	-6.8	-9.2	-9.5	-3.0	-5.6	-3.6	Manufacture of communication equipment									
-1.9	-4.0	5.8	-6.7	-3.3	-4.6	-2.4	-6.4	5.1	5.5	5.1	4.8	5.7	-2.9	-19.0	-18.3	Manufacture of consumer electronics									
21.4	23.5	17.9	29.2	30.9	28.6	28.9	21.1	21.3	18.5	12.0	8.8	22.9	27.8	28.6	25.2	Manufacture of measuring, testing, navigating and control equipment; watches and clocks									
Manufacture of measuring, testing, navigating and control equipment																									
23.4	25.1	18.5	30.7	33.0	30.4	30.0	22.0	22.1	19.1	12.4	9.8	25.0	29.7	30.4	26.8	Manufacture of industrial process control equipment									
2.9	6.6	10.7	10.4	5.2	2.9	15.2	8.9	10.0	10.1	6.5	-6.2	-0.4	3.8	4.0	1.6	Manufacture of watches and clocks and parts									
7.2	12.9	2.0	9.7	3.3	-0.03	-6.8	-9.2	-8.1	-7.9	-8.2	-7.4	1.7	1.2	4.8	-4.8	Manufacture of irradiation, electromedical and electrotherapeutic equipment									

Jadual **1.6b** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Tahunan
 Table : *Salaries and Wages Paid of Manufacturing Sector by Group: Annual Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2022	2023	2023				2024		2023	2024
				Q1	Q2	Q3	Q4	Q1		(Jan. - Apr.)	(Jan. - Apr.)
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	26.6	-0.1	3.1	-6.8	-1.8	5.5	10.7		0.8	10.2
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-4.0	-0.4	-1.7	3.9	-1.2	-2.3	-1.9		0.3	-0.5
	27101 Pembuatan motor elektrik, penjana dan transformer	5.2	3.2	2.5	0.6	2.0	7.8	10.8		2.3	8.6
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	-8.9	-2.7	-3.9	6.1	-3.3	-8.5	-9.1		-0.8	-5.7
272/ 27200	Pembuatan bateri dan akumulator	10.0	14.2	14.8	15.6	16.0	10.8	5.7		15.2	8.6
273	Pembuatan pendawaian dan peranti pendawaian	13.0	-5.6	2.0	-1.6	-6.3	-15.9	-15.8		0.9	-16.6
	27310 Pembuatan kabel gentian optikal	24.2	10.4	11.8	26.8	9.4	-2.2	3.8		14.9	4.7
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	12.6	-6.4	2.5	-2.9	-7.2	-17.3	-18.2		1.1	-19.3
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1.9	-20.1	-26.6	-21.1	-18.6	-13.0	10.8		-27.1	14.9
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	12.5	0.6	-1.3	-2.3	2.2	3.1	14.3		-0.9	15.7
275/ 27500	Pembuatan perkakasan domestik	-24.1	-9.3	-24.1	-17.3	1.1	9.7	1.9		-23.9	1.1
279/ 27900	Pembuatan kelengkapan elektrik lain	31.8	12.4	30.3	14.1	7.6	1.4	0.3		25.3	4.8
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3.1	0.6	2.3	0.9	0.2	-0.9	-1.5		1.9	-1.6
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	2.1	3.7	1.5	6.7	4.8	2.1	-31.0		2.2	-32.2
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.1	-2.2	-3.2	-0.1	-2.0	-3.3	-1.8		-2.7	-3.0
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	7.8	-14.3	2.6	-12.2	-22.2	-23.9	-2.0		-0.4	-1.3
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-5.3	-2.3	-4.5	4.5	0.4	-9.0	-12.0		-4.0	-11.3
		5.5	8.1	7.0	4.3	9.5	11.6	6.4		6.8	6.7
291 (29101 & 29102)	Pembuatan kenderaan bermotor	9.0	-3.7	-5.4	-5.8	-0.9	-2.7	-3.5		-5.9	-5.3
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	21.7	16.6	25.5	6.5	15.0	20.0	9.3		20.2	10.0
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-2.0	4.2	0.4	7.0	5.3	4.0	2.6		1.2	4.0
301 (30110 & 30120)	Pembinaan kapal dan bot	-1.6	11.0	2.8	7.4	13.4	21.3	17.2		2.1	17.5
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	6.3	-0.3	2.3	-0.2	-2.4	-0.7	-1.0		1.9	-0.8
	30910 Pembuatan motosikal	10.7	0.04	-0.4	-2.9	-1.4	5.3	2.3		-0.8	2.0
	30920 Pembuatan basikal dan <i>invalid carriages</i>	-8.4	-12.5	3.4	0.2	-21.2	-31.0	-30.9		3.7	-30.5
	Industri lain	5.4	6.2	8.8	7.0	6.0	3.1	7.7		8.0	9.3
310	Pembuatan perabot	5.4	5.1	3.8	4.2	6.1	6.4	1.7		3.6	1.7
	31001 Pembuatan perabot kayu dan rotan	9.3	8.2	6.9	8.9	8.8	8.3	2.9		6.6	3.1
	Industri lain	-7.4	-6.8	-7.8	-12.8	-4.5	-1.4	-3.8		-7.5	-3.9
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	4.4	-1.7	-0.9	-3.3	-0.8	-1.7	-0.2		0.3	0.2
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	1.5	0.7	-3.4	-0.3	0.5	6.0	6.9		-3.4	7.6
	32901 Pembuatan alat tulis	1.5	-3.6	-6.7	-8.4	0.8	0.3	0.1		-8.1	0.4
	Industri lain	1.5	1.8	-2.6	2.0	0.5	7.5	8.7		-2.2	9.4
323/ 32300	Pembuatan barangan sukan	1.3	-4.6	5.2	1.9	-8.9	-16.2	-17.1		4.7	-17.6
324/ 32400	Pembuatan permainan dan mainan	28.2	11.5	17.4	21.7	5.0	4.3	-13.6		17.3	-9.9
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	4.7	6.7	7.5	7.4	8.5	3.6	0.9		7.0	0.8
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	2.9	13.3	16.1	12.2	9.7	14.8	7.2		14.2	8.7
	Industri lain	5.2	4.9	5.2	6.2	8.2	0.4	-0.9		5.2	-1.4
Jumlah Pembuatan		5.2	3.5	4.3	3.6	3.0	2.9	1.2		4.2	1.2

2023						2024										Group Description/Period					
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.						
14.8	12.0	-11.5	-5.7	-7.2	-7.4	-8.1	-1.6	4.7	7.1	8.8	1.1	7.4	13.9	10.9	8.5	Manufacture of optical instruments, photographic equipment, magnetic and optical media					
-3.1	-5.6	4.2	7.6	3.5	1.0	1.2	-2.5	-2.2	-2.1	-3.9	-1.0	-2.2	0.1	-3.7	4.4	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus					
4.6	0.6	2.1	1.8	-0.5	0.7	-1.8	1.5	6.3	6.5	8.7	8.2	8.9	9.8	14.0	1.8	Manufacture of electric motors, generators and transformers					
-7.3	-8.7	5.3	11.6	6.2	1.2	3.1	-5.1	-7.7	-7.9	-11.8	-6.1	-8.9	-5.3	-12.9	6.2	Manufacture of electricity distribution and control apparatus					
10.8	16.5	17.2	16.5	19.1	11.1	18.3	13.2	16.6	15.0	11.9	5.8	1.7	8.0	7.1	18.0	Manufacture of batteries and accumulators					
2.2	3.6	0.1	-2.6	-3.3	1.1	-4.6	-5.9	-8.3	-13.9	-13.0	-20.7	-15.9	-17.7	-13.6	-19.2	Manufacture of wiring and wiring devices					
11.6	14.4	9.4	25.2	26.9	28.0	14.3	10.4	4.1	6.4	-5.8	-6.6	4.1	3.1	4.2	7.2	Manufacture of fibre optic cables					
2.7	4.2	0.6	-3.5	-5.2	-0.2	-5.6	-6.8	-9.1	-15.4	-13.4	-22.7	-18.3	-20.4	-15.8	-23.1	Manufacture of other electronic and electric wires and cables					
-25.3	-27.3	-27.1	-28.6	-15.7	-19.1	-21.0	-17.7	-17.1	-20.3	-19.4	5.2	8.7	15.5	8.1	28.6	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material					
-5.4	1.4	0.8	0.6	0.3	-6.9	2.1	2.8	1.7	1.5	-4.0	11.3	8.3	8.5	28.5	20.7	Manufacture of electric lighting equipment					
-27.3	-22.6	-22.2	-23.2	-15.2	-15.0	-8.2	1.8	12.0	9.4	10.3	9.4	3.8	-0.7	2.7	-2.1	Manufacture of domestic appliances					
36.8	32.4	21.9	10.5	13.5	18.2	11.7	13.8	-1.0	7.4	-0.5	-1.9	3.9	-5.8	2.8	20.5	Manufacture of other electrical equipment					
1.7	0.5	4.8	1.0	0.2	1.6	0.2	0.1	0.1	-0.4	0.6	-2.6	-1.7	-1.3	-1.6	-1.7	Manufacture of general-purpose and special-purpose machinery					
																Manufacture of fluid power equipment					
-1.2	2.8	3.0	4.3	7.3	8.5	5.3	5.1	3.9	2.3	0.5	3.2	-29.6	-30.2	-33.1	-35.7	Manufacture of other pumps, compressors, taps and valves					
																Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives					
-2.6	-11.9	6.0	-1.1	-0.7	1.4	-0.4	-2.3	-3.2	-7.8	-2.0	-0.05	-0.9	4.7	-8.8	-6.7	Manufacture of metal-forming machinery and machine tools					
5.6	5.5	-2.9	-10.1	-12.6	-13.9	-18.6	-25.5	-22.1	-20.9	-22.5	-27.6	-4.5	-0.7	-0.8	1.0	Manufacture of air-conditioning machines, including for motor vehicles					
-7.5	-7.9	3.4	-2.4	7.4	9.5	12.6	-6.4	-5.1	-4.5	-6.4	-14.9	-9.4	-17.1	-9.2	-9.2	Manufacture of other special-purpose machinery					
5.7	7.2	8.2	6.4	2.3	4.2	4.0	13.1	11.3	12.0	13.3	9.7	5.3	5.2	9.0	7.5	Other industry					
-4.1	-5.9	-6.3	-7.2	-5.7	-4.5	-1.2	-2.2	0.9	-0.9	-0.9	-5.7	-2.0	-3.2	-5.5	-10.7	Manufacture of motor vehicles					
39.7	33.3	6.8	5.9	8.3	5.3	7.1	20.7	17.0	20.5	20.0	19.5	8.5	9.1	10.5	12.1	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers					
-1.6	-0.8	3.8	3.5	9.4	8.1	8.1	5.0	2.9	3.6	3.3	5.1	3.6	2.7	1.4	8.0	Manufacture of parts and accessories for motor vehicles					
3.0	3.4	2.1	0.02	10.6	12.1	11.5	13.7	14.9	15.7	24.4	23.6	23.8	16.9	12.0	18.3	Building of ships and boats					
3.9	2.5	0.5	0.9	-0.2	-1.3	-0.7	-3.1	-3.6	-0.8	-1.0	-0.3	-1.9	-1.5	0.3	0.1	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c					
1.6	1.9	-4.5	-1.7	-3.7	-3.2	-3.9	-1.6	1.1	3.8	5.6	6.4	4.0	-0.6	3.5	1.1	Manufacture of motorcycles					
1.8	0.7	7.9	4.7	-1.1	-3.0	-4.6	-28.8	-30.0	-31.1	-30.8	-31.1	-29.9	-30.2	-32.5	-29.4	Manufacture of bicycles and invalid carriages					
11.1	5.0	10.3	5.9	10.2	4.8	10.0	8.5	-0.1	4.5	2.0	2.9	-0.2	12.4	11.0	14.2	Other industry					
4.8	3.3	3.2	2.9	5.2	4.6	6.4	6.6	5.2	5.8	6.3	7.2	1.5	1.7	1.9	2.0	Manufacture of furniture					
8.5	6.4	5.9	5.5	11.0	10.2	9.6	9.6	7.2	7.5	7.9	9.6	2.4	2.9	3.5	3.5	Manufacture of wooden and cane furniture					
-8.6	-7.9	-7.0	-6.6	-16.1	-15.9	-5.8	-4.9	-2.9	-1.1	-0.2	-2.8	-2.4	-3.8	-5.2	-4.3	Other industry					
-3.4	-3.6	4.7	4.3	-2.8	-11.5	-1.1	-2.5	1.2	1.7	8.5	-12.3	-5.8	3.6	1.8	1.4	Manufacture of jewellery, bijouterie and related articles					
-2.6	-3.0	-4.7	-3.5	3.5	-0.8	-0.3	0.4	1.4	4.3	4.7	9.0	4.5	6.6	9.7	9.8	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.					
-9.5	-4.9	-5.6	-12.4	-4.9	-7.8	-4.1	2.6	4.1	0.2	0.1	0.6	4.0	-1.5	-2.1	1.6	Manufacture of stationery					
-0.8	-2.5	-4.5	-1.0	5.8	1.1	0.8	-0.2	0.8	5.4	5.8	11.1	4.6	8.8	12.8	11.9	Other industry					
-0.7	8.4	8.1	3.2	5.8	-3.2	4.2	-14.6	-16.3	-12.7	-18.0	-17.9	-12.9	-19.9	-18.4	-19.1	Manufacture of sports goods					
15.6	12.2	24.8	16.8	25.1	23.1	5.8	6.8	2.7	8.1	-2.1	6.6	-15.3	-15.1	-10.8	1.8	Manufacture of games and toys					
7.0	9.1	6.4	5.8	8.5	8.1	8.2	8.8	8.5	3.4	3.2	4.1	0.9	0.7	1.0	0.8	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment					
16.3	20.3	11.9	8.6	14.1	14.3	11.6	9.7	8.1	9.2	9.9	24.1	4.9	8.1	8.4	13.5	Repair and maintenance of transport equipment except motorcycles and bicycles					
4.6	6.1	4.9	5.0	7.1	6.5	7.4	8.6	8.6	1.9	1.2	-1.9	-0.2	-1.6	-1.0	-2.7	Other industry					
4.0	4.6	4.2	3.9	4.0	3.0	2.9	3.0	3.2	3.4	3.3	2.1	2.0	1.0	0.7	1.2	Total Manufacturing					

Jadual **1.6c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
 Table : Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024	2023				
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
101	Pemprosesan dan pengawetan daging	3.6	2.5	0.7	4.3	-7.1	-1.9	-8.0	-1.2	4.4	2.6
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	1.3	-0.3	2.4	0.2	-2.2	1.8	-1.1	-0.2	-2.0	3.3
10201	Pengetinan ikan, krustasea dan moluska										
10202	Pemprosesan dan pengawetan ikan, krustasea dan moluska	2.4	-0.5	1.7	-1.3	-3.2	1.6	-1.1	0.1	-2.5	3.7
	Industri lain	-3.2	0.6	5.3	6.6	1.9	2.5	-1.4	-1.6	0.4	1.3
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	12.7	7.3	-4.7	-2.4	3.0	8.4	3.6	1.9	4.1	1.0
10303	Pengetinan nanas										
10304	Pembuatan jem, marmalad dan sajian jeli	29.1	6.2	-7.4	-4.7	2.4	12.4	12.8	4.7	-1.4	2.5
	Industri lain	11.7	7.4	-4.5	-2.2	3.0	8.1	2.9	1.7	4.5	0.9
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	1.1	0.2	1.2	4.9	-0.6	-5.5	-1.4	-1.2	1.5	0.2
10404	Pembuatan minyak sayuran mentah dan bertapis										
10406	Pembuatan sebatian lemak masakan	1.3	0.8	-5.5	2.3	0.7	1.9	-1.5	0.1	1.3	-1.0
10405	Pembuatan minyak kelapa	19.0	3.6	12.4	-1.7	0.3	19.0	-1.4	-0.2	3.7	0.6
	Industri lain	0.5	0.03	1.3	5.4	-0.8	-6.8	-1.3	-1.3	1.5	0.3
105	Pembuatan produk tenusu	6.4	3.3	-3.2	7.1	2.5	3.0	5.7	-3.0	3.3	-0.8
10502	Pembuatan susu pekat, tepung dan sejat	6.8	3.2	-4.2	7.6	3.6	2.6	7.9	-4.4	4.1	-1.5
	Industri lain	3.4	3.6	4.9	3.5	-5.7	6.2	-9.8	9.2	-2.4	5.2
106	Pembuatan produk bijian, kanji dan produk berkanji	4.8	2.3	-2.4	-1.3	-4.8	1.9	-0.3	-0.3	3.3	-3.3
10611	Pengilangan beras	8.2	-2.6	-0.6	-4.5	1.5	4.1	4.4	0.1	-2.6	-1.6
10613	Pengilangan tepung	1.6	8.8	-4.1	1.8	-11.4	-1.3	-3.0	-0.6	9.9	-5.0
	Industri lain	0.9	-3.1	-4.4	2.3	-2.4	8.5	-14.7	-2.1	6.5	-3.7
107	Pembuatan produk makanan lain	0.5	-1.1	4.6	5.1	-2.9	-0.9	-2.8	0.01	-1.2	1.6
10711	Pembuatan biskut dan cookies	3.7	2.1	8.1	2.0	-5.8	4.4	-1.9	-0.6	1.1	3.2
10712	Pembuatan roti, kek dan produk bakeri lain	-3.3	2.0	4.0	2.4	-3.9	-0.2	-3.5	-2.6	3.9	2.7
10713	Pembuatan produk snek	2.0	-3.6	5.3	6.5	4.3	-2.7	1.2	0.6	-4.1	-2.2
10721	Pembuatan gula	-5.3	-0.5	3.5	8.3	-1.1	16.9	1.5	-9.2	1.1	8.7
10731	Pembuatan produk koko	-0.7	6.3	2.4	0.9	-8.3	-3.2	4.8	-2.6	14.8	-10.1
10732	Pembuatan coklat dan produk coklat										
10733	Pembuatan konfeksi gula	-2.5	-9.4	9.1	11.5	-7.0	-10.0	-1.6	0.7	-9.5	0.4
10793	Pembuatan sos dan bahan perasa	5.0	2.1	4.7	11.1	8.8	-8.3	-2.5	19.3	-6.7	-4.0
10799	Pembuatan produk makanan lain t.t.t.l.	2.4	-1.0	7.0	6.2	-8.7	7.8	-9.8	-0.6	-1.5	6.4
	Industri lain	1.6	-2.8	1.6	3.5	-2.4	-1.3	-1.3	-2.9	-1.5	1.9
108/ 10800	Pembuatan makanan haiwan tersedia	1.2	-1.5	2.1	6.6	-7.4	-13.8	7.9	-4.7	-2.9	4.2
110	Pembuatan minuman ringan	-1.4	-1.9	0.2	10.5	-1.9	-6.8	-2.6	-0.2	1.6	-3.3
11041	Pembuatan minuman ringan	-2.9	-0.6	-2.4	11.6	-3.8	-9.6	-2.9	-0.4	2.5	-2.1
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	1.9	-3.8	4.6	5.8	0.7	1.5	-3.3	4.4	-0.5	-7.4
	Industri lain	5.4	-10.2	17.1	15.7	10.0	-1.2	2.7	-12.6	-1.2	-1.7
120/ 12000	Pembuatan produk tembakau	0.9	-11.6	-2.6	17.1	-4.4	-17.0	7.0	-3.6	-10.5	-1.3
131	Pemintalan, penenunan dan penyiapan tekstil	-8.7	1.1	3.7	1.3	-4.5	-7.1	-6.6	1.7	0.1	3.9
13110	Penyediaan dan pemintalan gentian tekstil										
13120	Penenunan tekstil	-9.7	4.3	5.6	0.5	-5.4	-5.6	-10.5	5.0	1.6	5.6
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-7.5	-5.6	-1.4	4.4	-3.1	-10.6	1.0	-4.8	-2.1	-0.5
	Industri lain	5.1	-4.0	7.6	-7.8	4.2	-0.8	12.8	-0.8	-13.0	6.4
139	Pembuatan tekstil lain	7.0	3.0	-0.9	1.5	-0.5	6.7	-1.8	2.0	1.4	1.8
13910	Pembuatan fabrik dikait dan dikrusye	-5.9	8.7	-3.2	3.3	-7.1	-6.5	0.1	-2.1	8.7	2.2
	Industri lain	12.6	0.9	0.0	0.8	2.1	12.5	-2.5	3.6	-1.1	1.7
141	Pembuatan pakaian, kecuali pakaian berbulu	0.3	-3.7	-2.0	9.4	-0.4	-4.5	-7.2	0.5	0.5	-0.9
14102	Pembuatan pakaian	-0.9	-5.0	-2.2	12.3	2.6	-6.9	-9.0	-0.2	1.1	-1.3
	Industri lain	2.8	-1.0	-1.8	3.4	-6.9	1.1	-3.1	1.9	-0.8	-0.1
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1.4	1.0	2.2	0.8	2.3	4.0	-10.3	2.8	2.7	0.8
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-1.0	-0.04	-1.2	5.5	-4.2	-2.0	-2.4	1.0	0.6	0.2
152	Pembuatan kasut	5.8	-3.4	-1.8	6.7	1.5	3.3	1.0	-1.5	-2.6	0.9
15201	Pembuatan kasut kulit										
15203	Pembuatan kasut getah	4.1	-3.9	-4.5	3.4	-1.6	0.8	0.5	-2.1	-2.6	0.5
	Industri lain	10.4	-2.0	4.6	14.0	7.9	10.4	2.1	-0.1	-2.8	1.8
161/ 16100	Pengilangan dan pengetaman kayu	4.7	-4.7	3.0	1.9	2.1	2.9	2.5	-3.2	-1.8	-1.9

2024											Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
0.5	-3.4	2.3	4.4	0.6	-0.01	0.1	-3.3	-6.2	0.3	0.7	Processing and preserving of meat
0.1	1.2	-0.5	1.3	-0.5	-1.0	2.1	-1.5	-1.9	-1.3	-2.0	Processing and preserving of fish, crustaceans and molluscs
-0.4	1.6	-1.7	1.0	-1.0	-1.9	2.5	-2.4	-1.7	-2.0	-1.5	Canning of fish, crustaceans and molluscs
2.4	-0.8	4.6	2.7	1.3	2.5	0.7	2.1	-2.9	1.4	-3.5	Processing, curing and preserving of fish, crustacean and molluscs
0.03	-2.1	-4.9	0.9	-0.5	-0.6	-1.4	4.6	-3.3	5.5	-2.0	Processing and preserving of fruits and vegetable
-3.1	-3.4	-2.7	-3.4	-3.5	2.1	1.7	1.9	-4.0	4.4	0.3	Pineapple canning
0.3	-2.0	-5.0	1.2	-0.2	-0.8	-1.7	4.8	-3.3	5.6	-2.2	Manufacture of jams, marmalades and table jellies
-0.7	2.5	-3.4	4.1	1.1	-2.4	11.6	-5.9	0.3	-3.3	4.8	Manufacture of vegetable and animal oils and fats
1.8	-9.4	3.7	2.5	0.6	-2.1	0.8	1.3	-1.2	1.4	0.1	Manufacture of crude and refined vegetable oil
0.4	10.3	1.3	1.4	-1.5	-1.6	-1.2	0.2	-0.6	5.8	-4.9	Manufacture of compound cooking fats
-0.9	3.2	-4.1	4.3	1.3	-2.4	12.9	-6.6	0.4	-4.0	5.5	Manufacture of coconut oil
2.1	-8.7	5.7	3.0	-2.8	2.2	13.6	2.1	-14.9	5.9	3.9	Manufacture of dairy products
2.3	-9.7	6.0	3.0	-3.3	2.1	16.7	2.6	-16.3	6.0	4.2	Manufacture of condensed, powdered and evaporated milk
0.6	-0.2	3.0	2.8	1.1	3.2	-7.3	-2.5	-1.4	5.0	1.8	Other industry
4.7	-2.9	-1.9	-0.3	-1.1	-1.9	6.0	1.2	-13.6	0.8	0.9	Manufacture of grain mill products, starches and starch products
-1.3	2.9	-3.0	0.2	-1.2	-4.0	0.7	4.5	-3.6	1.2	-3.6	Rice milling
11.9	-8.9	-0.5	-0.6	-1.4	0.3	11.0	-1.4	-24.3	0.2	5.8	Flour milling
0.2	-0.3	-3.9	-1.3	2.3	-1.5	9.8	-3.1	-8.3	2.1	6.0	Other industry
-0.1	1.6	2.0	3.3	0.2	0.5	4.9	-3.9	-3.1	-0.6	-1.1	Manufacture of other food products
-0.1	6.0	0.5	1.9	-0.9	1.7	1.3	-4.5	-3.6	-0.9	1.9	Manufacture of biscuits and cookies
-2.0	3.8	-0.2	2.6	-0.9	1.8	1.3	-4.1	1.4	-6.6	6.2	Manufacture of bread, cakes and other bakery products
3.6	0.2	3.5	3.1	1.2	-0.2	6.4	0.2	-1.3	2.7	-1.9	Manufacture of snack products
-3.3	-1.2	4.3	4.1	3.2	-3.7	10.1	-9.8	7.1	-1.3	-4.1	Manufacture of sugar
-1.8	7.7	-0.5	0.6	-0.4	0.3	2.4	-1.3	-14.7	3.8	16.2	Manufacture of cocoa products
-0.3	3.3	5.7	5.2	3.1	1.8	4.4	-6.8	-6.0	0.9	-6.6	Manufacture of chocolate and chocolate products
3.5	-2.8	7.8	4.4	0.1	0.1	15.7	-7.0	3.7	11.0	-11.3	Manufacture of sugar confectionery
0.9	1.0	2.0	5.6	0.0	-0.04	5.6	-2.4	-15.6	2.4	-1.9	Manufacture of sauces and condiments
-0.4	-0.3	1.1	2.4	0.3	-0.6	4.8	-2.8	-2.3	-2.8	-2.0	Manufacture of other food products n.e.c.
-1.8	2.7	-1.7	1.2	1.4	3.1	8.0	-6.3	-9.1	-3.1	1.1	Manufacture of prepared animal feeds
-0.8	-0.7	0.3	7.2	0.3	4.8	5.7	-5.2	-2.8	0.4	1.8	Manufacture of beverages
-0.9	-1.4	-3.1	7.3	0.2	7.6	6.6	-8.1	-3.2	0.4	2.9	Manufacture of soft drinks
-0.3	0.6	7.0	6.1	0.8	-2.1	0.7	3.1	-3.2	0.4	-1.2	Production of natural mineral waters and other bottled waters
-0.6	2.5	17.4	9.5	-0.3	-0.02	12.4	0.7	1.6	0.5	0.9	Other industry
-0.4	-2.2	-3.8	8.8	3.5	-0.7	26.8	-18.2	1.8	-1.6	-9.4	Manufacture of tobacco products
-1.2	1.4	2.2	0.7	-1.4	1.2	2.2	-2.1	-6.6	0.7	4.1	Spinning, weaving and finishing of textiles
-1.4	4.3	0.6	-0.05	-1.8	1.9	2.6	-1.5	-9.8	1.2	6.5	Preparation and spinning of textile fibres
-1.2	-5.8	7.0	2.7	-0.2	-0.04	1.7	-4.0	0.1	-0.5	-0.7	Weaving of textiles
6.8	2.5	-1.5	-1.6	-2.2	-4.2	-4.4	0.6	13.3	-1.5	-4.9	Dyeing, bleaching, printing and finishing of yarns and fabrics
-1.3	-1.0	0.02	1.2	0.8	-0.4	0.5	0.2	-3.1	3.6	-2.1	Other industry
-0.3	-5.0	1.6	0.7	2.6	0.2	-1.4	-5.1	-5.9	8.4	0.4	Manufacture of other textiles
-1.7	0.5	-0.6	1.4	0.1	-0.7	1.2	2.2	-2.1	1.9	-3.0	Manufacture of knitted and crocheted fabrics
-4.3	0.6	-1.2	4.1	-0.8	7.4	7.9	-3.4	-6.6	0.8	-0.8	Other industry
-5.9	2.7	-2.5	4.1	-0.7	10.1	11.7	-3.1	-7.2	1.1	-1.5	Manufacture of wearing apparel, except fur
-1.0	-3.5	1.6	4.2	-1.0	1.9	-0.5	-4.0	-5.1	0.2	0.8	Manufacture of clothings
-1.0	1.5	1.3	0.5	-1.3	2.3	-0.5	2.3	-2.0	2.7	0.6	Other industry
-1.8	-1.3	-0.4	4.8	1.9	-2.4	6.6	-6.7	-2.5	2.8	1.9	Manufacture of articles of fur, knitted and crocheted apparel
-1.9	-4.6	3.0	5.6	0.8	1.7	-0.02	2.1	0.15	-3.77	-1.40	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-1.5	-6.0	1.1	5.3	0.5	-1.1	-0.4	0.3	1.0	-5.8	-0.9	Manufacture of footwear
-2.8	-1.1	7.3	6.5	1.5	7.6	0.7	5.8	-1.4	0.04	-2.3	Manufacture of leather footwear
-1.0	5.0	-1.7	1.5	2.0	-0.8	-0.03	0.1	2.6	1.4	-0.8	Manufacture of rubber footwear
											Other industry
											Sawmilling and planning of wood

Jadual Table **1.6c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
: Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024	2023				
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	2.5	-1.6	2.1	2.4	-0.3	0.3	0.4	-1.0	-0.8	0.7
16211	Pembuatan kepingan venier dan papan lapis	-3.7	-1.5	5.6	2.0	-2.1	-6.2	2.3	-1.8	-1.4	2.1
16212	Pembuatan papan partikel dan papan gentian	10.8	-5.4	3.3	5.1	3.5	9.5	-0.8	-2.0	-0.6	-1.3
16221	Pertukangan kayu untuk jurubina	11.9	0.2	-2.6	-3.4	-1.0	7.3	-1.3	-1.4	2.3	-1.5
	Industri lain	2.8	-0.9	-2.5	9.5	2.7	3.2	-1.3	2.8	-3.3	1.4
170	Pembuatan kertas dan produk kertas	1.3	-4.5	0.6	4.4	0.8	-3.4	3.0	-2.0	-3.8	-0.8
17010	Pembuatan pulpa, kertas dan kertas tebal	-12.3	-17.7	2.0	9.0	3.7	-13.5	12.6	-7.2	-8.5	-13.8
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	2.6	-0.4	2.5	1.8	0.4	1.8	-1.6	-0.1	-1.1	2.0
17091	Pembuatan sampul surat dan kad surat	-3.0	-0.7	-2.7	7.5	-1.0	-4.1	-1.9	2.4	-1.4	-0.1
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	15.5	-10.6	-4.9	8.5	9.6	-2.3	15.4	-4.7	-11.4	-0.9
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-6.8	-2.4	-0.9	0.2	-7.4	-5.5	-1.2	-2.1	-1.2	0.04
	Industri lain	1.8	1.6	3.0	6.8	-4.7	-8.7	-3.0	0.5	1.2	1.0
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	3.4	1.1	-2.8	3.6	3.0	0.8	-5.3	2.2	-0.3	3.4
18110	Percetakan	2.5	2.2	-3.2	4.2	2.1	-0.6	-5.0	2.6	0.9	2.7
18120 &	Aktiviti perkhidmatan berkaitan percetakan										
18200	Penerbitan semula media rakaman	8.0	-4.7	-0.5	0.1	8.4	8.7	-6.7	-0.1	-6.8	7.5
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	8.2	-15.8	4.0	12.0	2.8	-4.7	-1.5	17.2	-24.6	-0.5
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	6.3	-7.2	-3.5	1.5	-1.8	1.0	-1.0	8.0	-7.2	-9.0
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	21.2	-8.7	12.0	4.3	-12.2	6.4	20.6	5.9	-17.1	-0.4
20112 &	Pembuatan kimia organik asas										
20113	Pembuatan sebatian bukan organik	5.7	-9.5	-6.6	1.8	-11.2	2.2	-3.1	5.9	-5.2	-14.6
20121 &	Pembuatan baja										
20129	Pembuatan produk campuran nitrogen	-1.5	-2.3	-6.7	-4.4	2.4	-4.9	-10.0	12.1	-5.8	-0.2
20131	Pembuatan plastik dalam bentuk primer	5.8	-2.7	-2.1	1.5	18.5	-1.9	-0.1	13.7	-8.3	-3.1
	Industri lain	1.9	-14.4	-6.8	3.5	4.7	5.8	-7.9	-4.3	1.2	-16.0
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	3.1	-4.4	2.8	1.9	6.0	-7.8	2.5	-1.5	-2.8	-2.4
20210	Pembuatan racun perosak dan produk agrokimia lain	11.8	14.0	-9.8	5.0	8.3	2.8	0.8	23.6	-2.0	1.2
20221	Pembuatan cat, varnis dan penyadur dan mastik	14.0	-4.8	5.6	0.2	11.6	-1.4	12.5	-12.6	1.9	-2.9
20222	Pembuatan dakwat cetak	-6.2	-2.2	-1.0	-3.7	-8.8	-7.7	-2.5	3.5	-3.7	2.0
20231 &	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilap										
20232	Pembuatan pewangi dan penyediaan dandanan diri	10.1	-7.4	2.0	-2.3	5.7	-10.1	11.8	-4.5	-5.6	-4.3
20291 &	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials										
20292 &	Pembuatan dakwat menulis dan melukis										
20299	Pembuatan produk kimia lain t.t.t.l.	-8.0	-7.7	9.5	8.3	6.3	-11.4	-9.8	-0.5	-2.2	-2.9
	Industri lain	4.0	-1.4	-15.8	-19.2	1.9	6.1	6.6	-12.3	4.2	3.5
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-10.7	4.6	3.5	5.4	-11.2	-14.2	-5.5	0.5	9.7	-4.9
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-12.8	3.5	0.6	6.9	-11.7	-17.0	-6.8	0.9	10.5	-7.2
	Industri lain	-2.1	8.8	13.7	0.7	-9.2	-1.0	-0.2	-0.6	7.1	3.7
221	Pembuatan produk getah	-6.0	6.3	7.4	-5.8	-5.2	-5.6	2.1	1.3	0.6	3.2
22111	Pembuatan tayar getah untuk kenderaan	15.4	4.3	4.8	-4.9	-13.7	22.3	-3.8	-7.2	12.8	-1.0
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	6.8	12.3	6.9	1.9	3.5	0.8	0.5	25.2	-5.5	4.2
22191 &	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan										
22193	Pengilangan semula getah dan prosesan susu getah	-0.9	5.1	2.7	0.8	-2.7	-6.2	1.0	7.7	1.7	-2.0
2024	22192 Pembuatan sarung tangan getah	-13.9	10.5	10.7	-8.7	-5.2	-12.1	6.5	-3.0	0.3	8.7
	22199 Pembuatan produk getah lain yang t.t.t.l.	-1.9	-2.8	4.8	-6.3	-3.9	-3.9	-3.2	8.2	-6.1	-2.3
222	Pembuatan produk plastik	-1.2	3.2	-2.5	1.7	-1.5	-2.9	-2.9	2.9	3.7	-0.4
22201	Pembuatan produk plastik separa siap										
&											
22202	Pembuatan produk plastik siap	-1.2	-1.3	-5.7	1.5	-4.3	-3.9	0.8	-9.9	7.9	-0.5
22203	Pembuatan artikel plastik untuk pembungkusan barangan	9.6	9.0	-9.1	-6.1	3.1	4.5	-7.6	23.7	-1.4	0.7
22204	Pembuatan barangan plastik jurubina	9.2	13.0	-10.4	0.8	4.6	0.5	-1.2	9.9	1.3	11.0
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	-0.7	2.1	-0.7	-2.0	3.0	-2.0	1.2	2.1	0.4	-0.5
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-10.3	2.8	8.2	9.8	-3.5	-8.0	-4.4	1.0	5.3	-2.1
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-4.7	-0.7	1.2	0.5	-0.9	-4.1	-7.8	-0.8	0.6	3.6

2024											Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
-2.2	2.4	1.3	0.3	0.8	0.8	1.4	0.2	-2.0	-1.0	0.8	Manufacture of products of wood, cork, straw and plaiting materials
-3.0	6.2	1.0	0.4	0.1	2.4	-0.9	0.6	-2.8	-3.0	3.6	Manufacture of veneer sheets and plywood
-7.2	6.1	5.2	-1.7	1.0	4.5	1.7	1.0	-0.6	0.8	-10.7	Manufacture of particle board and fibreboard
1.0	-2.4	-0.2	-0.9	0.4	-4.6	-0.3	1.4	-0.9	-0.04	3.4	Manufacture of builders' carpentry
0.6	-5.1	0.9	3.6	3.2	-0.4	11.0	-3.1	-2.3	1.9	1.0	Other industry
0.4	-1.0	1.2	2.6	1.8	-1.4	4.3	-1.7	1.0	-1.6	-4.1	Manufacture of paper and paper products
0.8	4.3	2.6	2.0	7.3	-1.3	0.7	-0.2	6.2	-0.7	-4.7	Manufacture of pulp, paper and paperboard
-0.1	0.8	0.3	2.8	0.7	-1.3	-0.03	2.2	-2.0	-0.2	-3.7	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-0.6	-3.2	-0.6	4.0	3.0	1.9	1.7	-1.8	-4.1	5.8	-2.9	Manufacture of envelopes and letter-card
0.3	-9.8	6.3	3.7	1.5	-3.6	14.6	-1.6	7.6	-5.6	-8.6	Manufacture of household and personal hygiene paper
1.7	-0.2	-3.0	0.7	1.7	-0.6	-1.4	-6.3	1.2	-2.7	-1.7	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
1.1	0.7	0.8	2.1	0.8	-0.1	12.9	-10.2	-2.4	-1.1	-0.5	Other industry
-1.4	-2.4	0.7	-2.9	0.9	3.0	7.3	-4.3	3.1	-0.8	0.1	Printing, service activities related to printing and reproduction of recorded media
-1.6	-2.5	0.4	-2.6	0.8	3.5	7.9	-6.5	4.2	-0.5	0.6	Printing
-0.7	-2.3	2.3	-4.8	1.5	-0.2	3.9	8.4	-2.8	-1.9	-2.3	Service activities related to printing
											Reproduction of recorded media
4.5	-2.6	2.1	6.9	4.3	-4.5	15.9	-10.1	0.2	15.8	-24.8	Manufacture of refined petroleum products
4.4	-0.5	-3.2	-1.6	1.4	0.4	6.3	-4.4	-4.1	4.1	-3.2	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
1.3	9.8	0.9	2.2	2.8	-0.1	-0.7	-10.9	-1.7	0.7	-11.4	Manufacture of liquefied or compressed inorganic industrial or medical gases
9.1	-2.8	-4.9	-3.3	2.1	1.2	8.7	-15.5	-2.5	2.6	2.4	Manufacture of basic organic chemicals
											Manufacture of inorganic compounds
											Manufacture of fertilizers
-0.4	-3.6	-3.6	-1.4	-0.8	-2.4	0.3	3.0	-7.3	16.0	-11.4	Manufacture of associated nitrogen products
-0.8	1.4	-2.4	-0.8	0.3	0.8	6.2	15.9	-5.6	5.4	-7.7	Manufacture of plastics in primary forms
1.3	-4.7	3.2	2.8	1.0	-6.8	13.3	6.9	-8.9	-5.4	15.5	Other industry
0.4	3.1	0.9	-1.0	0.2	-1.5	9.7	-4.2	6.4	1.1	-4.6	Manufacture of other chemical products and man-made fibres
1.6	-4.7	-12.8	6.4	5.5	-1.9	4.1	0.6	1.2	13.7	-2.1	Manufacture of pesticides and other agrochemical products
1.1	0.0	10.1	-2.6	-1.6	-3.3	8.3	0.7	16.8	-12.4	1.4	Manufacture of paints, varnishes and similar coatings ink and mastics
-3.5	2.3	-1.0	-2.6	-1.4	-0.2	-0.3	-8.9	2.9	-4.4	5.4	Manufacture of printing ink
1.3	3.2	1.8	-5.0	-3.1	-2.0	15.6	-11.9	12.6	4.0	-12.2	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
-0.04	8.2	2.2	2.3	3.0	-0.4	9.3	0.4	-1.3	2.6	-2.8	Manufacture of writing and drawing ink
											Manufacture of other chemical products n.e.c.
-3.1	4.8	-24.9	-9.2	-6.5	5.7	-2.8	0.9	5.3	-6.9	3.1	Other industry
0.4	2.8	3.9	-1.3	2.4	-3.6	15.4	-15.1	-6.1	1.7	8.4	Manufacture of pharmaceuticals, medicinal chemical and botanical products
0.8	0.8	3.8	-1.8	2.6	-3.8	20.8	-16.8	-7.9	1.0	10.3	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
-1.0	10.0	4.2	0.3	1.8	-3.1	-1.7	-8.5	0.2	3.8	2.3	Other industry
5.6	1.6	3.2	-3.7	-2.8	-0.7	-3.6	-1.3	-2.1	0.1	-1.1	Manufacture of rubber products
-2.3	6.2	2.6	-3.4	-3.5	0.7	-1.4	0.3	-15.7	-9.8	-7.7	Manufacture of rubber tyres for vehicles
-0.1	2.0	5.0	0.3	0.04	0.7	-1.5	0.1	-5.8	25.6	-3.6	Manufacture of interchangeable tyre treads and retreading rubber tyres
-1.7	4.3	-0.7	2.2	-0.7	-0.8	2.3	-1.4	-9.4	12.4	-1.6	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
11.9	-1.5	6.2	-6.7	-4.0	-0.3	-6.4	-2.1	3.6	-3.2	0.6	Rubber remilling and latex processing
2.6	5.1	-1.1	-1.5	-2.0	-2.8	-3.8	-0.3	1.2	-2.8	-1.1	Manufacture of rubber gloves
-3.3	-0.6	0.6	0.1	0.2	0.8	2.1	-1.9	-2.3	0.8	5.0	Manufacture of plastics products
											Manufacture of semi-manufactures of plastic products
-5.2	-5.1	4.9	-0.4	-0.6	1.4	-0.5	-2.0	0.6	-8.7	5.8	Manufacture of finished plastic products
-4.6	2.3	-12.0	-1.8	-2.1	0.1	4.2	1.5	-6.7	10.5	6.3	Manufacture of plastic articles for the packing of goods
-5.7	-1.8	-13.2	2.0	1.6	-1.5	11.6	0.6	-9.2	11.1	-3.8	Manufacture of builders' plastics ware
0.7	-3.7	5.1	-1.9	0.9	-6.3	3.0	0.8	1.5	3.9	0.5	Manufacture of plastic tableware, kitchenware and toilet articles
-0.5	2.6	8.3	2.7	2.7	2.3	2.4	-5.0	-2.1	2.0	4.6	Manufacture of diverse plastic products n.e.c.
-1.2	-0.1	-0.3	3.4	-2.0	-2.1	5.5	-3.8	-2.3	5.4	2.6	Manufacture of glass and glass products

Jadual **1.6c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peraturan Bulanan/Suku Tahunan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024		2023				
		Q1	Q2	Q3	Q4	Q1		Jan.	Feb.	Mac	Apr.	Mei
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-3.4	2.0	2.1	5.2	-3.0		-2.9	-4.4	2.3	-0.2	3.5
23911 & 23921	Pembuatan mortar refraktori dan konkrit	-7.5	7.1	1.9	3.2	4.5		-12.3	-4.1	7.6	-0.7	4.8
23930	Pembuatan produk porselin dan seramik lain	-10.0	-5.0	4.6	0.3	-8.6		8.4	-23.6	-0.4	-0.2	8.7
23941	Pembuatan simen hidrolik	3.6	2.3	-2.7	0.1	-7.7		2.2	-7.0	-0.4	1.4	6.8
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-5.2	-1.3	2.6	4.2	2.2		-3.9	-2.2	-0.8	-0.8	0.9
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; 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.	-1.6	3.5	3.3	4.3	-5.3		3.1	-5.7	4.2	0.3	4.0
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-1.0	0.1	3.6	12.0	-4.2		-9.9	2.3	-0.3	-6.2	10.1
	Industri lain	-7.8	4.4	-1.9	6.9	-3.0		-9.7	-2.9	4.7	6.9	-7.2
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	5.7	-5.5	-4.5	5.4	5.0		-0.3	-3.9	0.6	-3.2	-0.3
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	9.9	-7.9	-4.4	5.0	12.6		3.5	2.9	-4.5	-5.6	0.9
243	Pengacuan logam	-2.3	-3.9	-3.6	5.2	3.4		-0.4	-7.9	0.6	-0.5	-2.3
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1.9	-0.9	0.4	1.6	5.6		-0.1	-0.8	1.1	-2.3	2.4
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	3.6	-1.0	-1.0	-1.9	1.2		-1.0	-0.4	2.5	-3.6	2.9
25120	Pembuatan produk struktur logam lain	-0.7	-0.3	2.5	6.3	12.4		0.4	-0.5	-1.3	-0.2	2.3
	Industri lain	2.0	-2.7	-0.2	2.6	2.1		2.5	-3.6	2.0	-2.5	0.3
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	4.6	-4.2	1.1	7.0	3.7		-0.4	1.3	-2.0	-4.0	2.0
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-2.2	-3.4	3.1	6.8	-2.4		-7.3	-2.2	-2.3	-0.4	1.1
25920	Rawatan dan penyalutan logam; menggunakan mesin	1.9	-3.6	-7.4	2.7	10.3		-5.1	2.2	-4.7	-0.7	-0.9
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-1.3	-4.8	8.2	12.8	0.0		-3.2	-1.4	-2.9	-4.2	3.3
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	5.2	-1.4	1.2	7.6	9.3		-1.4	4.9	-0.8	-5.6	6.0
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya											
25994	Pembuatan barangan rumah daripada logam	0.7	-1.3	6.4	0.9	3.8		-0.5	-1.0	-0.2	-0.2	-0.7
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	12.3	-8.5	-0.9	5.0	4.3		11.3	-2.2	-1.3	-7.2	1.3
	Industri lain	15.9	-0.1	3.7	10.4	-10.5		-5.7	22.0	-1.9	0.02	-7.0
261	Pembuatan komponen dan papan elektronik	3.2	-3.4	-7.5	6.6	-2.8		-7.8	4.6	-2.7	-2.5	0.05
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	2.9	-2.7	-4.3	3.6	-1.4		-7.7	3.0	1.1	-2.4	-3.3
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik											
26104 & 26105	Pembuatan papan litar bercetak	3.6	-5.0	-13.4	13.0	-6.9		-8.6	8.1	-10.3	-2.8	7.1
26109	Pembuatan komponen paparan	5.3	0.1	-11.5	7.4	7.1		-1.4	0.1	2.0	-1.2	-0.7
26109	Pembuatan komponen lain untuk aplikasi elektronik											
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-5.1	-0.3	2.9	8.6	-5.8		-13.3	3.1	-8.7	4.8	5.3
263/ 26300	Pembuatan peralatan komunikasi	-0.2	-6.3	-9.9	10.3	0.8		-1.1	-3.1	0.8	-4.5	-4.5
264/ 26400	Pembuatan peralatan elektronik pengguna	-3.9	-5.5	8.9	6.3	-13.6		-0.4	-7.3	7.1	-9.6	2.5
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-11.6	20.0	3.9	2.4	-0.9		-22.3	4.0	6.5	4.4	9.2
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	-12.6	22.2	3.4	2.8	-1.1		-23.7	4.7	7.1	5.1	9.9
26520	Pembuatan kelengkapan kawalan proses perindustrian											
	Pembuatan jam tangan dan jam dan bahagiannya	2.7	-6.6	10.8	-2.9	2.0		-1.5	-4.6	0.03	-4.0	-0.6
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	2.3	1.3	-13.0	2.2	13.8		-7.7	4.8	-3.0	5.6	-4.5

2024											Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
-0.2	-0.4	0.4	3.6	0.3	2.0	2.8	-3.6	-3.5	1.5	-0.2	Manufacture of non-metallic mineral products
											Manufacture of refractory mortars and concretes
2.8	-3.0	1.9	0.9	-0.1	-2.9	12.5	-4.2	-0.1	6.1	-4.6	Manufacture of non-refractory ceramic
-1.5	1.0	2.2	0.8	-2.4	0.6	3.5	-12.0	1.6	0.4	-1.3	Manufacture of other porcelain and ceramic products
-2.5	-1.4	-4.6	4.1	-4.3	1.2	7.9	1.5	-20.6	-0.3	-2.7	Manufacture of hydraulic cement
0.7	-0.2	0.2	5.4	-1.1	1.1	3.0	0.2	-2.4	3.9	-0.9	Manufacture of ready-mix and dry-mix concrete and mortars
											Manufacture of precast concrete, cement or artificial stone articles for use in construction
-0.6	2.8	-2.0	3.0	0.5	6.0	-4.4	-1.6	-5.1	2.2	-0.5	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
											Manufacture of other articles of concrete, cement and plaster n.e.c.
-1.4	-4.9	7.7	4.0	3.6	-0.4	9.4	-9.1	2.1	-5.9	-0.4	Manufacture of other non-metallic mineral products n.e.c.
1.4	-2.4	0.9	4.7	2.3	-1.5	6.4	-7.7	-0.1	4.3	7.6	Other industry
-3.7	-3.0	0.6	1.9	-0.8	0.3	13.5	1.3	-8.1	2.5	-2.7	Manufacture of basic iron and steel
-2.7	-1.8	-2.9	2.3	1.1	0.5	8.8	5.0	3.7	-3.4	-0.3	Manufacture of basic precious and other non-ferrous metals
1.3	-5.9	2.0	2.9	2.1	-2.1	5.8	3.8	-1.9	-6.4	4.4	Casting of metals
-1.9	1.1	-0.4	-0.2	-0.9	0.4	7.7	3.6	-4.1	-0.8	-4.7	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
											Manufacture of metal doors, windows and their frames, shutters and gates
-2.2	0.8	-1.1	-1.4	-1.4	-0.5	3.5	4.9	-9.5	2.6	-4.3	Manufacture of other structural metal products
-1.6	2.4	-0.2	1.6	-1.2	1.7	15.9	2.8	-0.4	-2.8	-5.7	Manufacture of tanks, reservoirs and containers of metal
-1.2	-1.1	2.7	-0.3	2.0	0.2	-0.5	0.2	7.1	-7.2	-3.1	Other industry
-1.9	-0.5	1.8	2.9	1.5	0.2	8.0	-1.1	-0.3	-0.4	-0.6	Manufacture of other fabricated metal products; metal working service activities
-4.4	3.1	3.4	1.3	0.8	-0.6	13.0	-8.6	-2.1	0.6	-0.1	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
0.3	-0.9	-9.4	-0.3	-0.9	-1.1	24.7	-5.4	2.7	-0.7	0.8	Treatment and coating of metals; machining
-1.2	0.2	8.5	5.6	1.5	7.4	-1.4	0.3	-0.3	-4.4	-0.2	Manufacture of tins and cans for food products, collapsible tubes and boxes
-1.6	-0.7	0.01	3.2	3.2	-0.6	7.6	2.0	3.0	0.9	-4.4	Manufacture of metal cable, plaited bands and similar articles
											Manufacture of bolts, screws, nuts and similar threaded products
-0.7	7.4	-0.8	0.8	-0.01	-0.5	3.1	1.4	2.5	-3.4	-0.5	Manufacture of metal household articles
-1.9	-3.6	3.9	3.1	1.7	-2.2	4.2	3.7	-2.1	0.3	2.8	Manufacture of any other fabricated metal products n.e.c.
-1.1	-0.3	7.6	6.5	0.3	0.9	7.8	-6.8	-12.4	-1.7	0.2	Other industry
-1.6	-8.5	1.6	3.3	-0.4	-0.5	13.5	-9.6	0.3	-3.1	-4.1	Manufacture of electronic components and boards
0.7	-5.2	2.0	0.9	-0.7	-2.4	14.0	-9.2	1.4	-1.3	-4.6	Manufacture of diodes, transistors and similar semiconductor devices
											Manufacture of electronic integrated circuits micro assemblies
											Manufacture of electrical capacitors and resistors
-6.3	-15.4	3.0	7.7	-0.3	3.8	12.7	-11.9	-1.2	-7.7	-3.4	Manufacture of printed circuit boards
											Manufacture of display components
1.1	-6.3	-13.2	9.9	3.9	-2.9	12.2	3.0	-5.2	2.7	-1.4	Manufacture of other components for electronic applications
-9.9	6.3	-0.2	6.5	-1.4	-0.1	17.6	-13.1	-0.5	-6.1	1.6	Manufacture of computers and peripheral equipment
4.9	-16.1	10.6	-4.0	-0.9	21.1	-8.2	-1.5	3.9	-1.9	-2.4	Manufacture of communication equipment
2.4	-1.1	7.1	8.0	-0.4	-0.3	-1.6	0.5	-14.8	-10.7	-8.8	Manufacture of consumer electronics
7.4	-3.9	-0.5	1.7	-0.8	-0.1	6.9	-12.2	8.1	7.2	1.7	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
											Manufacture of measuring, testing, navigating and control equipment
8.0	-4.9	-0.3	1.8	-0.9	0.1	7.5	-13.1	8.7	7.6	2.2	Manufacture of industrial process control equipment
-2.4	14.8	-2.8	0.4	0.4	-3.1	-1.7	4.6	-0.6	0.2	-6.2	Manufacture of watches and clocks and parts
-1.9	-8.6	-3.1	-0.2	-0.3	-1.9	15.3	1.3	4.3	0.4	-4.1	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Jadual **1.6c** : Gaji dan Upah yang Dibayar Sektor Pembuatan Mengikut Kumpulan: Perubahan Peratusan Bulanan/Suku Tahunan
Table : *Salaries and Wages Paid of Manufacturing Sector by Group: Monthly/Quarterly Percentage Change*

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2023				2024	2023				
		Q1	Q2	Q3	Q4	Q1	Jan.	Feb.	Mac	Apr.	Mei
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	0.6	-2.3	0.7	6.5	5.6	-9.7	-2.3	11.3	-8.1	-2.9
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1.8	-7.0	3.1	0.1	2.1	-1.7	-6.5	2.4	-9.3	4.8
27101	Pembuatan motor elektrik, penjana dan transformer	-3.9	2.5	6.1	3.1	-1.2	4.8	-12.2	-1.7	3.5	5.1
27102	Pembuatan perkakasan pengagihan dan pengawalan elektrik	5.2	-12.3	1.2	-2.0	4.5	-5.3	-3.0	4.6	-16.0	4.6
272/ 27200	Pembuatan bateri dan akumulator	4.6	-2.4	7.0	1.4	-0.2	-2.7	6.9	-3.1	-6.0	10.2
273	Pembuatan pendawaian dan peranti pendawaian	-5.4	-3.4	1.7	-9.5	-5.3	-4.8	-0.7	-5.1	-6.1	6.6
27310	Pembuatan kabel gentian optikal	-16.0	13.9	3.9	-1.6	-10.9	-22.4	1.2	-2.3	3.3	17.1
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	-4.3	-4.9	1.4	-10.4	-5.4	-3.5	-0.8	-5.4	-6.7	5.3
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-11.2	-1.4	4.1	-4.6	13.1	10.0	-0.2	-2.5	-10.1	17.6
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-8.0	-11.2	21.4	4.1	1.9	-6.3	-3.6	-15.5	-5.3	6.5
275/ 27500	Pembuatan perkakasan domestik	5.8	4.2	8.5	-8.2	-1.8	1.9	4.8	-1.4	-20.1	44.6
279/ 27900	Pembuatan kelengkapan elektrik lain	0.7	-10.9	3.3	9.3	-0.3	-6.3	-3.9	-5.4	-10.7	3.8
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-0.1	-6.0	0.4	5.0	-0.8	-4.4	-2.1	-3.6	-2.1	-0.7
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-10.1	4.4	2.5	6.1	-39.2	-20.3	-1.5	1.5	2.2	2.5
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	-8.5	-0.5	1.8	4.4	-7.1	-8.9	-4.3	4.3	-3.7	2.3
28192	Pembuatan jentera pembentukan logam dan alatan mesin										
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-8.4	-18.4	-2.7	4.7	17.9	-19.8	5.0	-3.6	-16.8	-1.0
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	8.9	-5.2	-12.3	0.5	5.3	-0.5	0.9	-10.2	2.4	-1.2
		7.2	-5.7	3.9	6.3	2.2	6.9	-4.6	-5.8	2.1	-2.4
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-8.5	1.3	1.8	3.2	-9.3	-15.3	0.6	-7.9	5.2	2.0
292/ 29200	Pembuatan kerangka (<i>coachwork</i>) untuk kenderaan bermotor; pembuatan treler dan semi treler	5.1	-4.5	10.8	7.9	-4.2	4.6	-0.8	-8.7	0.6	2.6
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-1.2	7.0	-5.4	4.0	-2.5	-8.6	3.1	1.6	3.8	1.7
301 (30110 & 30120)	Pembinaan kapal dan bot	11.6	-1.3	1.3	8.7	7.9	2.6	1.7	19.2	-14.9	4.6
302, 303, 304 & 309	Pembuatan lokomotif keretapi, <i>rolling stock</i> , kapal angkasa dan udara, jentera berkaitan, kenderaan tempur ketenteraan, dan kelengkapan pengangkutan t.t.t.l.	3.1	-0.8	-4.4	1.5	2.7	1.5	2.1	0.9	-0.9	0.5
30910	Pembuatan motosikal	4.1	1.1	-2.2	2.2	1.2	3.3	3.7	0.9	1.1	-0.4
30920	Pembuatan basikal dan <i>invalid carriages</i>	-2.3	-5.2	-20.2	-6.7	-2.2	-6.4	0.7	2.1	-4.4	-1.7
	Industri lain	3.8	-2.7	-1.2	3.4	8.4	1.8	-0.6	0.3	-3.7	3.9
310	Pembuatan perabot	5.5	-4.0	0.7	4.4	0.8	5.6	-3.3	-0.7	-3.0	2.8
31001	Pembuatan perabot kayu dan rotan	6.5	-2.8	0.6	4.1	1.2	7.0	-3.8	-0.7	-3.7	6.1
	Industri lain	1.3	-9.0	1.5	5.4	-1.2	-0.1	-0.9	-0.5	-0.4	-10.6
321 (32110 & 32120)	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan	-2.8	-9.8	1.6	10.3	-1.3	-15.4	-5.0	2.9	-2.0	-7.9
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	-2.1	0.4	2.8	5.0	-1.4	-2.8	-1.2	-3.2	-0.9	7.3
32901	Pembuatan alat tulis	0.4	-2.9	8.1	-4.8	0.1	-3.8	5.6	-2.4	-6.0	5.5
	Industri lain	-2.8	1.3	1.4	7.6	-1.7	-2.5	-2.9	-3.4	0.5	7.8
323/ 32300	Pembuatan barangan sukan	1.5	-7.2	-10.9	-0.1	0.3	-0.9	5.5	0.2	-8.8	4.6
324/ 32400	Pembuatan permainan dan mainan	-1.8	4.0	0.3	1.8	-18.7	-12.4	-0.4	6.6	-7.1	8.8
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	4.8	-0.9	-4.8	4.8	2.1	0.3	0.9	-0.3	1.8	-2.4
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	6.2	-5.0	-9.3	25.6	-0.9	-4.5	6.0	-4.1	-1.2	-3.2
	Industri lain	4.4	0.2	-3.6	-0.5	3.0	1.7	-0.6	0.9	2.6	-2.1
Jumlah Pembuatan		0.8	-1.4	-0.4	4.0	-0.9	-4.4	-0.2	0.1	-1.9	1.0

2024											Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	
5.6	-4.5	2.1	3.8	0.4	0.8	6.5	-4.1	3.6	8.4	-10.0	Manufacture of optical instruments, photographic equipment, magnetic and optical media
0.3	2.5	-1.2	-1.1	-2.1	-2.4	15.2	-2.8	-4.3	-1.5	-1.6	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
3.9	-2.4	5.0	2.7	0.4	-2.3	2.3	5.5	-11.4	2.1	-7.6	Manufacture of electric motors, generators and transformers
-2.0	5.8	-5.0	-3.7	-4.0	-2.4	25.2	-8.1	0.8	-3.9	2.4	Manufacture of electricity distribution and control apparatus
-8.5	8.0	1.6	2.2	-0.01	-0.4	-1.0	-6.5	13.5	-3.8	3.5	Manufacture of batteries and accumulators
6.7	-4.8	1.7	-2.4	-4.1	-5.0	-3.8	0.9	-2.8	-0.4	-12.1	Manufacture of wiring and wiring devices
0.5	-1.6	-0.5	1.7	2.1	-12.0	12.2	-13.5	0.3	-1.3	6.3	Manufacture of fibre optic cables
7.5	-5.1	1.8	-2.8	-4.8	-4.4	-5.5	2.2	-3.4	0.1	-14.8	Manufacture of other electronic and electric wires and cables
-0.3	-4.1	6.4	-2.4	-3.7	-1.2	-1.4	13.7	6.0	-8.7	6.9	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
6.3	9.8	7.2	-2.1	-2.6	-3.4	25.3	-8.8	-3.4	0.03	-11.0	Manufacture of electric lighting equipment
-0.3	-1.8	1.7	-5.4	-5.2	-1.0	1.7	-3.4	0.3	2.0	-23.9	Manufacture of domestic appliances
7.1	-5.0	2.1	3.9	4.4	-6.2	17.5	-0.8	-12.8	3.3	4.7	Manufacture of other electrical equipment
-0.9	-0.7	2.6	1.0	0.9	-0.5	8.7	-3.5	-1.7	-3.9	-2.2	Manufacture of general-purpose and special-purpose machinery
-0.1	0.1	2.6	-0.3	0.3	-5.1	27.0	-45.6	-2.4	-2.7	-1.8	Manufacture of fluid power equipment
											Manufacture of other pumps, compressors, taps and valves
											Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
1.2	-1.5	2.3	0.8	-0.9	2.5	6.8	-9.6	1.1	-9.2	-1.5	Manufacture of metal-forming machinery and machine tools
-1.6	-0.4	-1.9	1.0	0.8	1.2	9.3	5.8	9.2	-3.8	-15.2	Manufacture of air-conditioning machines, including for motor vehicles
0.3	-1.3	-17.4	2.4	3.9	-1.7	9.3	5.9	-7.7	-1.7	2.5	Manufacture of other special-purpose machinery
-2.2	-0.4	9.6	1.0	1.2	-1.2	6.2	2.6	-4.7	-2.5	0.8	Other industry
0.9	-1.2	3.5	-1.6	0.1	-1.3	11.7	-12.0	-0.6	-10.2	-0.7	Manufacture of motor vehicles
-1.6	1.7	11.1	4.9	-0.6	-0.3	5.8	-5.1	-0.2	-7.6	2.1	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
-0.2	-4.7	-1.9	0.2	1.0	0.2	9.9	-9.9	2.3	0.2	10.5	Manufacture of parts and accessories for motor vehicles
-0.5	-2.0	2.0	2.4	0.9	7.6	0.9	2.8	-3.9	14.2	-10.1	Building of ships and boats
-4.6	0.01	-3.8	3.2	2.5	-3.8	2.4	-0.3	2.6	2.7	-1.0	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-4.7	-1.8	2.1	5.0	2.5	-7.4	2.7	0.9	-0.9	5.1	-1.3	Manufacture of motorcycles
-3.9	-1.2	-25.2	1.0	-2.9	9.3	0.01	-4.7	0.2	-1.2	0.1	Manufacture of bicycles and invalid carriages
-4.5	5.2	-6.4	-0.4	4.7	0.3	2.9	-1.2	11.9	-0.9	-0.8	Other industry
-3.8	0.7	0.7	3.5	0.01	0.3	4.5	0.002	-3.1	-0.5	-2.9	Manufacture of furniture
-3.9	-0.5	0.8	3.5	-0.4	0.2	5.4	-0.1	-3.3	-0.2	-3.7	Manufacture of wooden and cane furniture
-3.3	6.4	0.4	3.5	2.0	1.0	0.6	0.2	-2.3	-2.0	0.5	Other industry
-9.0	11.0	-0.8	2.9	1.1	9.4	3.2	-9.1	4.4	1.1	-2.4	Manufacture of jewellery, bijouterie and related articles
-2.4	-0.2	2.9	1.1	0.6	-0.3	8.5	-6.8	0.8	-0.4	-0.7	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-1.4	4.1	7.6	-5.7	-3.1	-2.1	3.7	-0.6	-0.01	-2.9	-2.5	Manufacture of stationery
-2.7	-1.3	1.6	3.0	1.6	0.2	9.7	-8.2	0.9	0.2	-0.3	Other industry
-9.0	6.3	-15.9	-5.3	15.1	-5.3	-2.3	5.2	-3.0	2.1	-9.6	Manufacture of sports goods
4.3	-9.0	6.1	0.8	-3.3	-7.3	24.8	-30.4	-0.2	11.9	6.0	Manufacture of games and toys
-3.7	-1.5	-0.3	0.2	0.5	3.8	4.9	-2.8	0.6	0.1	1.5	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-2.6	-8.0	1.5	1.3	3.7	18.3	18.2	-19.3	9.3	-3.8	3.4	Repair and maintenance of transport equipment except motorcycles and bicycles
-4.0	0.3	-0.8	-0.1	-0.3	-0.1	0.7	3.5	-1.9	1.4	0.9	Other industry
-0.6	-1.5	0.9	1.7	0.1	0.04	7.3	-4.5	-1.3	-0.2	-1.4	Total Manufacturing

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table 2 : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2023				
				Jan.	Feb.	Mac	Apr.	Mei
Ikan tin Canned fish	Tan Tonne	5,751	5,748	488	500	572	495	498
Ikan segar sejuk beku Frozen fish	Tan Tonne	15,551	19,660	1,226	1,337	1,392	1,395	1,465
Bebola ikan Fish ball	Tan Tonne	7,609	7,794	535	439	546	659	751
Sotong sejuk beku Frozen cuttle fish/squid	Tan Tonne	6,613	7,063	512	532	606	568	622
Udang geragau/udang sejuk beku Frozen shrimps/prawns	Tan Tonne	15,676	17,266	1,454	1,501	1,605	1,543	1,468
Jem (semua jenis) Jams (all types)	Tan Tonne	10,381	11,851	845	1,051	1,125	758	994
Minyak kelapa mentah Coconut (copra) oil and its fraction crude	Tan Tonne	19,293	18,795	1,764	1,851	1,874	1,694	1,534
Minyak kelapa, ditapis Coconut oil, refined	Tan Tonne	77,053	73,933	6,742	4,833	4,578	5,927	6,469
Lemak doh/shortening Dough fats/shortening	Tan Tonne	168,717	158,613	13,952	14,046	11,907	12,140	11,815
Marjerin Margerine	Tan Tonne	64,079	73,536	6,420	6,340	5,231	5,455	5,076
Minyak masak campuran Blended/deodorised cooking oil	Tan Tonne	449,191	481,565	31,903	39,165	50,943	41,344	40,776
Susu pekat manis Sweetened condensed milk	Tan Tonne	431,843	469,591	34,290	32,032	33,185	32,398	37,643
Minuman susu Milk drinks	Liter (*000) Litres (*000)	90,600	120,976	7,392	7,815	7,351	7,559	8,696
Beras Whole rice	Tan Tonne	756,333	683,766	52,499	75,233	73,227	56,227	58,584
Beras hancur Broken rice	Tan Tonne	83,440	102,686	7,044	9,205	10,056	8,589	10,643
Tepung gandum Wheat flour	Tan Tonne	1,003,321	1,003,698	85,194	80,665	77,355	69,774	78,311
Roti dan kek Bread and cakes	Tan Tonne	483,325	599,866	46,706	57,507	50,801	46,250	49,754
Mee dan bihun Mee and bihun	Tan Tonne	271,986	260,710	25,519	27,765	24,975	22,304	20,393
Sos dan bahan perasa Sos and flavoring ingredients	Tan Tonne	81,282	93,755	8,963	8,892	7,094	7,257	5,803
Kelapa kering Desiccated coconuts	Tan Tonne	4,968	4,646	356	402	456	490	466
Makanan ayam itik campuran Mixed poultry feed	Tan Tonne	2,076,296	2,386,374	204,045	172,901	185,917	199,776	187,501
Hidangan ikan Fish meals	Tan Tonne	131,999	106,406	10,446	10,098	11,790	13,526	10,074
Biskut Biscuits	Tan Tonne	148,395	124,962	11,277	12,190	12,653	10,471	10,765
Gula bertapis Refined sugar	Tan Tonne	1,725,619	1,981,898	145,457	154,114	169,973	179,867	167,322
Minuman manis berkarbonat Sweet beverages (carbonated)	Liter (*000) Litres (*000)	255,335	357,856	23,795	25,078	26,245	28,616	29,377

2024										
Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
497	454	473	462	441	422	446	567	487	615	513
1,601	1,850	1,803	1,783	2,096	1,800	1,914	1,631	1,412	1,518	1,417
750	732	728	725	756	606	567	668	516	694	858
723	605	604	604	677	509	502	504	398	571	553
1,433	1,211	1,381	1,401	1,422	1,456	1,391	1,666	1,626	1,996	1,975
1,129	1,058	1,040	999	948	941	962	1,044	675	697	773
1,347	1,452	1,386	1,524	1,510	1,462	1,397	1,769	1,800	1,980	1,900
6,385	7,328	6,950	7,412	7,159	5,080	5,071	5,652	4,005	4,075	5,603
12,823	12,757	13,017	13,524	14,566	14,449	13,617	13,488	11,799	10,637	12,821
6,226	6,424	6,707	6,490	7,258	6,380	5,529	6,562	7,018	6,092	7,238
36,215	33,837	33,729	40,055	43,327	42,980	47,291	46,502	38,326	36,909	37,159
44,054	51,633	44,616	45,341	39,115	36,164	39,118	39,248	39,708	41,263	35,134
10,086	12,117	11,923	12,666	12,224	12,260	10,887	10,958	9,516	9,001	8,016
50,174	51,666	50,109	64,642	52,051	49,452	49,901	47,524	53,086	54,190	58,709
8,663	9,412	8,246	8,253	7,252	7,443	7,880	7,803	7,577	8,487	9,915
77,293	80,987	89,958	89,306	88,539	96,778	89,540	88,728	90,120	63,457	64,667
53,949	60,276	50,333	47,111	46,071	49,337	41,773	46,866	74,165	68,821	63,945
18,568	19,258	18,613	20,594	19,775	21,985	20,962	23,469	24,119	20,683	22,280
7,115	7,630	8,228	8,359	8,189	8,088	8,136	9,773	9,247	7,351	6,029
434	360	329	352	386	332	283	281	285	345	417
171,765	198,292	209,858	200,231	207,465	216,561	232,064	216,342	175,096	192,375	199,476
7,413	7,502	8,099	7,511	6,902	6,865	6,180	6,922	6,888	8,175	8,995
9,412	8,173	8,475	8,984	11,140	10,517	10,905	11,728	12,730	12,957	12,534
164,979	171,212	156,720	164,787	167,954	159,152	180,360	167,446	155,467	176,536	173,478
30,923	31,143	31,421	31,463	31,577	30,400	37,818	38,301	32,522	34,378	36,305

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2023				
				Jan.	Feb.	Mac	Apr.	Mei
Minuman manis tidak berkarbonat Sweet beverages (non-carbonated)	Liter ('000) Litres ('000)	2,077,269	2,025,653	178,192	188,186	192,169	192,361	172,234
Air mineral dan minuman Mineral and drinking water	Liter ('000) Litres ('000)	643,820	709,585	37,284	52,130	44,817	47,685	60,080
Kain kapas Cotton cloth	Meter ('000) Metres ('000)	61,170	41,668	3,373	3,278	3,028	3,418	3,430
Seluar lelaki Pants, males	Bilangan ('000) Number ('000)	3,842	2,433	328	342	357	360	283
Kemeja lelaki Shirts, males	Bilangan ('000) Number ('000)	14,032	15,444	1,405	1,247	1,090	1,181	1,305
Blaus Blouses	Bilangan ('000) Number ('000)	4,341	3,297	295	310	311	338	311
Pakaian perempuan Dresses	Bilangan ('000) Number ('000)	2,353	2,270	171	182	204	229	196
Kasut getah (semua jenis) Rubber footwear (all types)	Pasang ('000) Pairs ('000)	2,062	1,835	164	169	175	208	142
Kiln kayu kering Kiln dried timber	Tan Tonne	151,050	138,378	11,006	11,062	12,827	12,994	10,548
Kayu gergaji Rubberwood (sawn)	Tan Tonne	165,191	122,365	10,639	12,211	9,268	10,352	9,678
Kepingan venir Veneer sheets	Meter Padu Cubic metre	338,186	284,746	23,817	27,994	32,305	32,578	28,378
Papan gentian berkepadatan sederhana Medium density fibreboard	Meter Padu Cubic metre	2,143,469	2,622,634	201,203	235,274	200,086	184,479	118,195
Papan lapis Plywood	Meter Padu Cubic metre	3,956,588	4,365,151	233,036	317,336	358,212	315,158	393,850
Ukiran kayu Timber moulding	Meter Padu Cubic metre	45,564	46,997	3,328	3,286	3,973	4,575	4,493
Kayu balak siap Dressed timber	Meter Padu Cubic metre	7,617	6,343	852	709	680	784	623
Rak dan beg kertas Sacks and bags of paper	Bilangan ('000) Number ('000)	372,939	331,989	33,310	32,482	30,427	27,986	26,999
Kertas tisu Tissue paper	Tan Tonne	95,013	85,245	6,917	6,858	7,042	7,570	7,328
Kertas napkin Napkin paper	Tan Tonne	3,831	2,111	171	199	260	258	264
Kertas tandas Toilet paper	Tan Tonne	67,708	46,047	4,000	4,495	4,895	4,494	4,308
Minyak tanah Kerosene	Tan Tonne	3,157,887	3,275,428	274,589	207,240	316,930	305,623	314,510
Gas petroleum cecair Liquefied petroleum gas	Tan Tonne	2,677,740	2,524,079	228,283	226,457	215,490	232,599	258,426
Minyak bahan api Fuel oil	Tan Tonne	1,990,382	1,935,352	183,132	110,218	144,543	132,926	150,716
Minyak diesel/gas Diesel/ gas oil	Tan Tonne	15,412,400	16,187,264	1,424,840	1,543,133	1,772,586	811,203	1,065,404
Gasolin (spirit motor) Gasoline (motor spirit)	Tan Tonne	6,466,006	4,639,314	335,806	396,975	426,631	404,507	527,974
Minyak pelincir campuran Blended lubricating oil	Tan Tonne	144,668	186,354	12,511	11,557	12,410	12,168	14,624
Nafta Naptha	Tan Tonne	3,258,599	2,974,988	271,062	248,478	218,498	273,287	283,120

2024										
Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
146,375	150,214	154,858	155,300	161,386	164,059	170,320	175,017	153,946	164,805	157,307
60,220	67,817	69,401	81,544	69,223	64,516	54,870	45,346	52,690	39,526	52,711
3,275	2,949	3,245	3,323	3,719	4,604	4,025	4,101	5,339	4,819	5,399
125	101	101	124	132	102	79	100	95	131	122
1,367	1,425	1,294	1,180	1,369	1,349	1,230	1,442	1,269	1,255	1,332
305	292	255	241	215	215	208	290	277	299	321
203	202	204	187	177	167	148	155	151	193	213
133	124	114	135	179	159	133	120	121	132	135
11,362	14,403	12,517	13,063	10,158	10,016	8,422	7,802	7,162	11,162	13,634
9,024	9,828	9,252	10,871	14,158	9,486	7,598	9,522	10,698	10,113	13,223
24,596	20,735	21,600	20,446	21,385	17,294	13,618	16,941	19,245	17,694	19,541
119,393	175,173	273,432	249,702	270,590	297,108	297,999	242,756	287,791	250,672	200,194
397,296	380,932	386,102	364,623	400,666	417,093	400,847	414,852	461,286	476,305	437,668
3,220	3,087	3,923	3,954	4,696	4,575	3,887	3,118	3,343	4,054	4,903
389	310	319	362	399	379	537	808	723	699	847
25,885	24,416	26,382	26,263	25,534	26,713	25,592	26,400	28,551	26,511	25,697
7,444	7,421	7,380	6,659	5,981	7,484	7,160	6,954	6,522	6,700	6,865
229	193	155	119	91	86	87	95	99	129	119
4,055	4,302	3,236	2,800	2,804	3,508	3,150	3,094	3,406	3,685	3,181
388,860	192,840	225,382	282,831	250,123	258,425	258,076	253,995	190,453	311,056	312,481
236,276	188,737	209,913	206,687	192,568	199,499	129,144	136,970	222,607	212,854	239,760
193,969	153,195	209,673	195,261	161,661	145,775	154,283	153,465	131,820	176,134	167,257
1,193,439	1,107,947	1,415,154	1,485,982	1,374,917	1,531,166	1,461,492	1,312,278	1,419,683	1,607,736	771,593
394,997	378,221	444,439	446,331	390,039	250,727	242,667	215,923	253,667	257,685	259,704
14,518	14,212	18,958	18,900	18,920	19,402	18,174	16,928	15,949	17,035	17,188
380,488	205,252	222,786	215,250	199,641	295,999	161,127	172,666	242,018	228,330	297,386

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table 2 : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2023				
				Jan.	Feb.	Mac	Apr.	Mei
Gas asli cecair Liquefied natural gas	Tan Tonne	31,283,443	31,279,579	2,751,277	2,594,258	3,044,181	1,987,056	2,712,791
Nitrogen dan oksigen Nitrogen and oxygen	Meter padu ('000) Cubic metre ('000)	610,924	526,966	47,260	48,817	54,618	48,975	42,934
Methanol (methyl alcohol) Methanol (methyl alcohol)	Tan Tonne	4,364,885	5,090,653	374,694	407,881	403,658	320,412	388,091
Baja (termasuk urea) Fertilizers (includes urea)	Tonne Tonne	7,584,494	5,906,343	655,340	452,398	398,842	358,670	426,865
Sebatian P.V.C P.V.C. compound	Tan Tonne	71,331	56,303	5,438	6,038	6,056	5,441	4,584
Racun serangga aerosol (cecair) Aerosol insecticides (liquid)	Liter Litres	6,083,228	5,163,308	418,120	411,624	384,343	389,137	432,745
Racun herba (cecair) Herbicides (liquid)	Liter ('000) Litres ('000)	97,264	91,732	8,996	8,614	8,911	8,927	9,612
Racun herba (bukan cecair) Herbicides (non-liquid)	Tonne Tonne	91,308	57,643	4,845	4,864	5,530	5,460	6,280
Cat emulsi Emulsion paints	Liter ('000) Litres ('000)	58,557	69,896	6,733	6,803	6,007	4,626	6,415
Cat lapis Under-coats	Liter ('000) Litres ('000)	17,875	13,019	1,518	1,598	1,430	1,197	1,556
Cat asas Primers	Liter ('000) Litres ('000)	18,342	21,342	1,508	1,799	1,424	1,064	1,287
Dakwat pencetak Printing ink	Tan Tonne	21,967	21,012	2,266	1,675	1,675	1,619	1,492
Pelembut fabrik Fabric softener	Liter ('000) Litres ('000)	31,289	29,439	2,594	2,605	2,569	2,158	2,849
Sabun mandi Toilet soap	Tan Tonne	15,469	14,935	1,380	1,413	1,388	1,026	1,222
Sabun serbuk (bahan pencuci) Soap powder (detergents)	Tan Tonne	97,339	77,816	6,291	6,243	6,683	5,394	6,896
Pelekat perindustrian Adhesive, industrial	Liter ('000) Litres ('000)	156,135	166,252	13,228	14,684	12,898	13,911	14,166
Tayar pneumatik (semua jenis) Pneumatic tyres (all types)	Bilangan ('000) Number ('000)	6,775	4,753	507	514	445	343	349
Tiub dalam (semua jenis) Inner tubes (all types)	Bilangan ('000) Number ('000)	1,124	788	93	90	64	52	54
Getah mutu malaysia (semua gred) S.M.R. (all grades)	Tan Tonne	686,810	668,508	57,754	59,442	48,306	47,401	47,783
Susu getah diproses Processed latex	Tan Tonne	45,852	50,917	3,275	3,769	3,729	3,849	4,065
Sarung tangan getah Rubber gloves	Pasang (Juta) Pairs (Million)	85,559	66,998	6,065	5,892	7,374	7,002	6,242
Kondom Condom	Gross ('000) Gross ('000)	18,730	21,118	1,547	1,454	1,465	1,997	2,020
Paip P.V.C. P.V.C. pipes	Tan Tonne	98,006	123,126	9,670	11,653	12,461	11,802	9,794
Bata tanah Earthen bricks	Bilangan ('000) Number ('000)	153,283	201,043	13,700	17,458	13,268	17,142	14,890
Jubin seramik Ceramic tiles	M. Persegi ('000) Sq. metres ('000)	26,270	24,753	1,003	1,146	1,859	1,865	2,075

2024										
Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
2,368,951	2,849,003	2,682,100	2,356,975	2,827,151	2,644,124	2,461,711	2,930,110	2,830,335	3,293,275	2,236,557
44,678	43,201	35,453	35,628	38,433	41,554	45,417	45,944	42,849	43,087	42,132
242,304	309,801	482,508	473,473	545,943	561,494	580,394	555,053	536,428	518,656	440,918
475,927	535,863	531,558	559,863	541,973	522,053	446,989	434,307	471,171	473,629	428,788
4,598	4,597	4,590	4,648	3,438	3,390	3,485	3,679	3,749	3,625	3,944
500,884	501,603	502,999	452,079	413,442	370,013	386,319	422,415	413,931	377,944	394,043
8,265	6,995	6,864	5,013	5,792	6,467	7,276	8,842	8,245	7,945	8,166
6,002	5,108	5,101	4,427	3,017	3,178	3,831	2,965	2,962	3,004	3,073
6,554	6,268	6,259	5,599	3,797	5,278	5,556	6,195	6,202	5,309	4,222
1,600	556	561	600	638	805	959	1,007	1,063	890	960
1,389	1,693	2,144	2,434	2,146	1,965	2,488	1,938	2,116	1,656	1,426
1,493	1,483	1,667	1,908	1,859	1,894	1,982	2,556	1,950	2,075	1,974
2,518	2,216	2,209	1,623	2,384	2,589	3,124	2,389	2,651	2,703	2,372
1,355	1,344	1,383	1,169	877	1,039	1,339	1,348	1,579	1,658	1,271
6,901	6,892	6,956	6,060	7,357	5,781	6,363	6,087	6,590	7,342	6,850
15,779	13,588	12,813	13,611	14,294	13,385	13,897	13,705	13,425	11,673	13,720
352	369	333	337	428	371	405	498	495	459	384
56	61	60	64	68	64	62	83	71	55	49
48,026	51,364	59,510	54,635	62,203	63,258	68,825	63,120	60,695	49,422	46,833
4,564	4,814	5,284	4,940	4,673	3,643	4,312	4,038	3,907	3,888	3,870
5,406	5,211	5,216	4,680	4,591	4,646	4,672	6,083	6,454	7,515	7,423
2,342	1,905	1,579	1,790	1,674	1,557	1,786	1,935	1,812	1,788	2,615
9,643	9,924	8,385	9,289	9,395	10,848	10,262	10,551	10,997	12,930	11,565
13,504	13,481	14,627	15,844	18,276	25,849	23,005	15,569	16,178	13,476	17,896
2,079	2,074	2,093	2,445	2,905	2,038	3,171	1,601	1,910	2,501	2,808

Jadual 2 : Pengeluaran Produk Utama dalam Industri Pembuatan yang Terpilih
Table 2 : Production of Major Products in Selected Manufacturing Industries

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2022	2023	2023				
				Jan.	Feb.	Mac	Apr.	Mei
Simen (semua jenis) Cement (all types)	Tan ('000) Tonnes ('000)	19,856	23,191	1,961	2,496	2,704	1,660	1,630
Konkrit campuran siap Ready mixed concrete	Meter padu ('000) Cubic metre ('000)	37,695	39,836	3,653	3,144	3,342	3,033	2,810
Bumbung genting simen (semua jenis) Cement roofing tiles (all types)	Bilangan ('000) Number ('000)	39,761	42,152	3,645	2,482	3,020	3,460	4,051
Cerucuk, tiang konkrit Piles, poles, posts of concrete	Tan Tonne	1,416,140	1,247,529	97,365	99,515	100,767	101,081	105,043
Pasir silika (diproses) Silica sands (processed)	Tan ('000) Tonnes ('000)	153,159	167,623	11,095	17,083	12,508	9,669	15,069
Selak dan kekeras Bolts and nuts	Tan ('000) Tonnes ('000)	1,011,455	1,090,486	93,671	101,549	90,100	80,637	88,201
Bar dan batang besi dan keluli Iron and steel bars and rods	Tan Tonne	931,443	1,158,514	91,486	111,535	94,582	86,637	87,237
Kepingan besi yang disadur Galvanized iron sheets	Tan Tonne	175,928	202,278	10,307	11,148	12,940	17,541	19,868
Tin timah dan semua tin lain Tin cans and all other tins	Bilangan ('000) Number ('000)	2,815,239	2,550,785	235,256	255,272	224,148	224,951	182,697
Dram besi dan keluli Iron and steel drums	Bilangan ('000) Number ('000)	3,139	3,474	211	230	219	209	294
Dawai besi dan keluli bersadur Galvanised iron and steel wire	Tan Tonne	151,610	165,843	11,770	15,512	14,010	13,046	12,395
Dawai mata punai dan jaring Wire mesh and netting	M. Persegi ('000) Sq. metres ('000)	18,630	15,079	1,212	1,270	1,099	1,294	1,307
Transformer elektrik Electrical transformers	Bilangan ('000) Number ('000)	290,765	252,794	25,826	28,438	27,362	19,620	19,078
Dawai dan kabel yang tertebat Insulated wires and cables	Tan Tonne	154,579	143,781	11,524	13,660	15,687	15,909	7,981
Separa konduktor Semi-conductors	Bil. (Juta) Num. (Million)	32,644	35,227	3,043	3,270	3,392	2,625	2,590
Transistor elektronik Electronic transistors	Bil. (Juta) Num. (Million)	55,538	46,515	4,657	4,663	4,686	4,092	4,287
Litar bersepadu Integrated circuits	Bil. (Juta) Num. (Million)	55,168	51,838	3,885	3,919	4,311	4,881	5,465
Televisyen Television	Bilangan Number	15,977,868	13,583,353	807,858	811,933	997,866	1,031,793	1,482,331
Radio Radios	Bilangan ('000) Number ('000)	10,190	8,255	709	737	638	637	593
Penyaman udara Air-conditioners	Bilangan Number	3,162,946	3,342,121	251,254	292,175	328,527	304,699	307,501
Kereta penumpang Passenger cars	Bilangan Number	650,217	724,891	54,663	59,843	71,731	38,575	60,391
Kenderaan perdagangan Commercial vehicles	Bilangan Number	117,019	134,721	9,283	10,387	9,461	9,393	15,306
Wayar abah-abah, kenderaan bermotor Wire harness, motor vehicle	Bilangan ('000) Number ('000)	9,764	10,181	809	844	865	730	817
Motosikal dan skuter Motor cycles and scooters	Bilangan Number	175,222	355,243	15,992	18,563	21,731	28,591	37,701

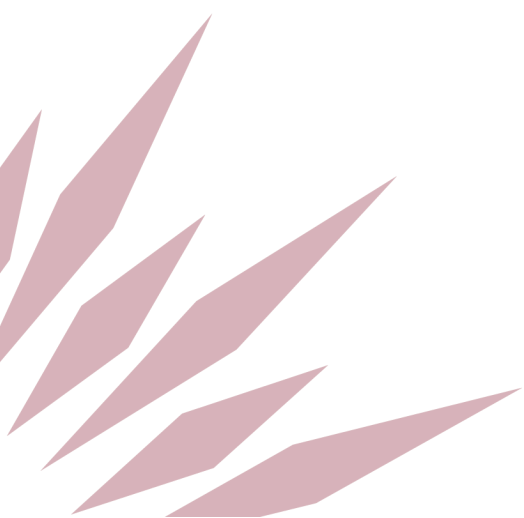
2024										
Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
1,698	1,521	1,516	1,444	1,617	2,442	2,501	2,461	2,592	2,873	2,044
3,243	3,154	3,463	3,607	3,774	2,958	3,655	3,826	3,269	3,576	3,007
3,262	4,481	3,570	3,443	4,431	2,759	3,548	4,870	1,965	2,241	3,017
88,870	89,150	96,209	115,877	121,091	121,773	110,788	118,429	118,521	99,513	106,085
16,980	12,561	12,492	12,607	14,566	18,669	14,324	10,811	16,977	12,523	9,194
88,757	87,806	92,261	91,832	91,026	97,099	87,546	95,113	99,878	88,426	83,536
87,536	86,547	114,618	96,620	87,911	93,258	120,547	112,228	117,663	99,267	101,810
15,473	15,976	22,825	24,544	26,937	13,392	11,327	10,953	11,315	10,570	18,687
185,229	184,494	205,491	208,553	213,528	209,323	221,843	231,574	233,684	219,582	224,930
428	382	323	290	317	297	275	274	278	282	273
13,967	15,559	14,304	14,052	13,018	14,030	14,180	12,232	16,162	13,915	12,800
1,270	1,308	1,305	1,310	1,220	1,372	1,113	1,305	1,444	1,199	1,431
18,084	19,801	17,262	16,671	20,654	20,303	19,694	27,216	27,607	27,270	22,197
9,988	12,037	12,940	14,398	10,019	10,721	8,916	9,254	10,778	11,357	13,595
3,071	3,111	3,290	3,302	2,572	2,451	2,511	3,050	3,390	3,289	2,496
4,043	3,546	3,553	3,523	3,133	3,035	3,296	3,794	3,950	3,837	3,239
5,299	4,475	4,474	4,946	3,930	3,109	3,144	3,031	3,145	3,272	3,506
1,490,573	1,186,325	1,294,262	1,186,284	1,186,284	1,111,538	996,306	1,000,226	901,036	1,005,501	1,013,545
584	671	781	643	722	751	788	806	817	699	708
275,213	279,002	261,798	238,352	248,815	274,825	279,960	276,871	299,728	321,088	311,847
54,643	62,558	63,242	65,022	69,475	62,931	61,817	71,666	61,935	63,778	53,857
12,168	12,266	12,932	11,208	11,620	11,443	9,254	9,098	8,831	6,239	10,303
991	1,001	860	785	851	834	793	848	847	745	714
33,931	36,810	36,900	34,494	33,039	27,455	30,036	33,309	30,392	29,122	30,919

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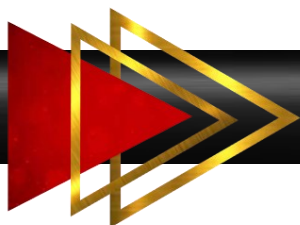


NOTA TEKNIKAL

Technical Notes



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1. OBJEKTIF

Objektif utama penerbitan ini ialah untuk menyediakan statistik aliran terkini bagi indikator utama di sektor Pembuatan, iaitu statistik **nilai jualan, bilangan pekerja bergaji, gaji & upah** serta **pengeluaran produk utama** yang dipungut melalui Survei Pembuatan Bulanan. Statistik ini membantu pengguna dalam merangka dasar serta membuat keputusan.

2. PENANDA ARASAN

Selepas melaksanakan Banci Ekonomi 2016 (tahun rujukan 2015), Jabatan Perangkaan Malaysia (DOSM) telah mengkaji dan melaksanakan proses penanda aras terhadap statistik pembuatan yang dipungut melalui Survei Pembuatan Bulanan. Proses penanda aras ini membolehkan siri nilai anggaran tahunan yang dijana menerusi statistik jangka pendek konsisten dengan nilai tahunan daripada banci/survei tahunan sebagai tahun penanda aras. Penanda aras yang dibuat berpanduan *Quarterly National Accounts Manual 2017 edition, International Monetary Fund* bagi mencapai objektif seperti berikut:

- Menganggarkan data bulanan supaya konsisten dengan data tahunan iaitu, untuk memastikan jumlah data bulanan adalah sama dengan penanda aras tahunan;
- Memelihara sebanyak mungkin pertumbuhan indikator bulanan semasa proses penanda aras tahunan dibuat; dan
- Memastikan data siri ke hadapan, jumlah data bulanan bagi tahun semasa sedekat mungkin dengan data tahunan yang diperoleh semasa banci atau survei tahunan yang dijalankan.

Statistik penanda aras disusun bagi nilai jualan, bilangan pekerja bergaji dan gaji & upah sektor Pembuatan dan diterbitkan mulai Januari 2020. Tahun asas (penanda aras) adalah menggunakan Banci Ekonomi 2016 (tahun rujukan 2015) sebagai tahun penanda aras dan kaedah *pro rata* (1) dan *extrapolation* (2) digunakan dalam pemprosesan penanda aras ini.

Kaedah *pro rata*:

$$M^i V = \frac{M^i I}{\sum_{i=1}^{12} M^i V} \times ADT \quad (1)$$

di mana;

$M^i V$ = pemboleh ubah anggaran bulanan yang dinaik aras

$M^i I$ = siri indikator bulanan

ADT = data tahunan tahun asas (penanda aras)

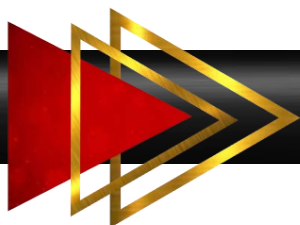
Kaedah *extrapolation*:

$$V_t = V_{t-1} * G_{t-1,t} \quad (2)$$

di mana;

V_t = nilai pemboleh ubah

$G_{t-1,t}$ = pertumbuhan daripada t-1 kepada t



3. SKOP DAN LIPUTAN

Data yang dipungut dalam Survei Pembuatan Bulanan meliputi seluruh Malaysia. Mulai Januari 2020, penerbitan ini memaparkan statistik berwajaran yang menggambarkan populasi sampel bagi 251 industri dalam sektor Pembuatan.

Data bagi industri yang mempunyai perwakilan kurang daripada tiga pertubuhan telah digabungkan kepada industri terhampir bagi memelihara kerahsiaan responden seperti mana yang termaktub dalam Akta Perangkaan 1965 (Disemak - 1989).

4. SUMBER RANGKA

Sumber rangka ialah daripada *Malaysia Statistical Business Register (MSBR)* di mana maklumat utama diperoleh daripada banci dan survei yang dilaksanakan oleh Jabatan Perangkaan Malaysia (DOSM) serta data pentadbiran. Sumber utama data pentadbiran tersebut adalah daripada Suruhanjaya Syarikat Malaysia (SSM). Selain itu, DOSM juga turut bekerjasama mendapatkan maklumat daripada lebih 50 agensi lain seperti Kumpulan Wang Simpanan Pekerja (KWSP), Jabatan Kastam Diraja Malaysia (JKDM), Lembaga Hasil Dalam Negeri (LHDN), Pihak Berkuasa Tempatan (PBT) serta Badan-badan Profesional. Rangka dikemaskini secara berterusan dengan mengambil kira pertubuhan baru dan merekod sebarang perubahan dalam status pertubuhan seperti tutup, tidak beroperasi, perubahan jenis aktiviti dan lokasi atau alamat pos untuk memastikan maklumat yang terdapat dalam rangka adalah yang paling terkini.

5. JENIS AKTIVITI PERNIAGAAN

Jenis aktiviti perniagaan merujuk kepada aktiviti utama dan sekunder. Aktiviti utama merujuk kepada aktiviti yang mana pertubuhan menumpukan sebahagian besar sumbernya atau memberi sumbangan besar dari segi pendapatan. Aktiviti sekunder didefinisikan sebagai aktiviti sampingan kepada aktiviti utama. Klasifikasi bagi pertubuhan adalah berasaskan kepada aktiviti utama dan Piawaian Klasifikasi Industri Malaysia (MSIC 2008) Versi 1.0. yang diselaraskan dengan *International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations* dengan pengubahsuaian mengikut keperluan tempatan.

6. KONSEP DAN DEFINISI

Konsep dan definisi yang digunakan selari dengan manual *International Recommendations for Industrial Statistics 2008, United Nations Statistics Division*. Takrif pembuatan yang digunakan dalam survei ini adalah selaras dengan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Versi 1.0.

Pembuatan ditakrifkan sebagai perubahan fizikal atau kimia ke atas bahan atau komponen menjadi produk baru sama ada kerja itu dilakukan oleh jentera yang dijalankan oleh kuasa atau yang dijalankan dengan tangan, sama ada dijalankan dalam kilang atau di rumah pekerja, dan sama ada barang keluaran dijual secara borong atau runcit.

7. REKA BENTUK PENSAMPELAN

Reka bentuk pensampelan bagi survei ini adalah pensampelan rawak strata satu peringkat. Pertubuhan dikelaskan sebagai unit pensampelan manakala beberapa kategori strata telah dikenalpasti.

Setiap strata telah dibentuk kepada tiga substrata untuk memastikan sampel yang diagihkan mengambil kira ciri-ciri ekonomi strata tersebut. Substrata utama bersifat heterogen dan diliputi secara penuh. Manakala, substrata selainnya yang bersifat homogen disampelkan.

Substrata utama meliputi pertubuhan kategori besar dan yang mempunyai jumlah hasil yang signifikan dalam industri berkaitan manakala bagi substrata kedua dan ketiga berdasarkan kategori perusahaan kecil dan sederhana (PKS).

8. SAIZ SAMPEL

Statistik utama yang digunakan untuk penganggaran saiz sampel adalah nilai jualan. Formula yang digunakan dalam penganggaran saiz sampel bagi strata adalah seperti berikut:

$$n = \frac{(\sum N_i S_i)^2}{V + \sum N_i S_i^2} \quad (3)$$

di mana;

n = Saiz sampel

N_i = Saiz populasi bagi strata i

S_i^2 = Varian bagi strata i

V = Varian sasaran

$$V = RSE^2 \cdot \left(\frac{\hat{Y}_i}{Z} \right)^2 \quad (4)$$

di mana;

$\hat{Y}_i$ = Jumlah nilai jualan bagi strata

RSE = Ralat piawai relatif

Z = Nilai aras keyakinan

Sampel akan diagihkan kepada substrata dalam industri liputan dengan menggunakan kaedah *Neyman Allocation* seperti berikut:

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n_i \quad (5)$$

$h = 2, 3 \text{ dan } 4$

$i = 1, 2, \dots k$

di mana;

n_{hi} = Saiz sampel bagi substrata h dalam strata i

N_h = Saiz populasi bagi substrata h

S_h = Sisihan piawai bagi substrata h

n_i = Saiz sampel bagi strata i

h = Substrata

i = Strata

Pertubuhan kategori substrata utama diliputi sepenuhnya, manakala pertubuhan bagi substrata kedua dan ketiga dipilih secara rawak mengikut kaedah pensampelan bersistematik.

9. WAJARAN

Analisis berwajaran disediakan menggunakan wajaran sampel bagi memastikan sampel yang dipilih dapat menggambarkan populasi survei. Wajaran yang diperlukan adalah wajaran di peringkat reka bentuk pensampelan dan tiada respons.

Wajaran reka bentuk pensampelan pada substrata h adalah seperti berikut :

$$W_h = \frac{N_h}{n_h}, \quad h = 1, \dots, 4 \quad (6)$$

di mana;

N_h = Bilangan populasi bagi substrata h ; dan

n_h = Bilangan sampel bagi substrata h

Wajaran tiada respons pada substrata h adalah seperti berikut :

$$NRW_h = \frac{1}{\frac{n'_h}{n_h}}, \quad h = 1, \dots, 4 \quad (7)$$

di mana;

$$n'_h = \text{Bilangan sampel respons bagi substrata } h$$

$$n_h = \text{Bilangan sampel bagi substrata } h$$

Kaedah pengiraan wajaran reka bentuk pensampelan selepas survei (*adjusted weight*) pada substrata h seperti berikut:

$$W'_h = W_h \times NRW_h, \quad h = 1, \dots, 4 \quad (8)$$

di mana;

$$W_h = \text{Wajaran reka bentuk pensampelan pada substrata } h$$

$$NRW_h = \text{Wajaran tiada respons pada substrata } h$$

10. 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.

11. NILAI JUALAN

Nilai jualan yang dilaporkan merujuk kepada nilai jualan produk sendiri sahaja. Ini bermaksud jualan produk yang berlaku dalam bulan laporan, sama ada produk tersebut telah dibuat/dihasilkan oleh pertubuhan pada bulan tersebut atau bulan-bulan sebelumnya. Nilai jualan adalah berdasarkan kepada nilai bersih di kilang dan berkaitan dengan kuantiti yang dijual. Penilaian harga yang dikenakan kepada pelanggan adalah tidak termasuk:

- a. diskaun atau rebat;
- b. bayaran untuk pengangkutan keluar;
- c. komisen kepada wakil-wakil penjual;
- d. bayaran lain seperti cukai eksais yang dibayar atau cukai jualan yang dipungut oleh kilang bagi pihak kerajaan; dan
- e. bayaran pemasangan, pembaikan dan pembinaan

12. BILANGAN PEKERJA BERGAJI

Bilangan pekerja bergaji meliputi seperti berikut:

- a. Pekerja bergaji (sepenuh masa) - Merujuk kepada semua pekerja bergaji yang bekerja sekurang-kurangnya 6 jam sehari dan sekurang-kurangnya 20 hari sebulan; dan
- b. Pekerja bergaji (sambilan) - Merujuk kepada semua pekerja bergaji yang bekerja kurang daripada 6 jam sehari dan/atau kurang daripada 20 hari sebulan.

13. GAJI & UPAH DIBAYAR

Gaji & upah yang dibayar merujuk kepada semua bayaran tunai, termasuk bonus, komisen, bayaran lebih masa, elaun kos sara hidup dan elaun lain yang dibayar kepada semua pekerja bergaji dalam bulan rujukan. Caruman Kumpulan Wang Simpanan Pekerja (KWSP) serta Pertubuhan Keselamatan Sosial (PERKESO) turut dimasukkan tetapi caruman oleh majikan dikecualikan. Elaun kepada pemilik yang bekerja, rakan niaga yang bekerja dan pekerja keluarga tidak bergaji, bayaran pampasan dan saguhati kerana pemberhentian adalah juga dikecualikan.

14. KEPERLUAN KERAHSIAAN

Survei ini dijalankan di bawah peruntukan Akta Perangkaan 1965 (Disemak 1989). Akta ini mensyaratkan bahawa kandungan penyata individu adalah SULIT. Selaras dengan peruntukan dalam Akta tersebut, hanya angka agregat akan diterbitkan.

15. PINDAAN

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

16. PEMBUNDARAN

Perjumlahan komponen mungkin berbeza dengan angka jumlah besar disebabkan pembundaran.

17. SIMBOL DAN SINGKATAN

Simbol-simbol berikut telah digunakan dalam keseluruhan penerbitan:-

t.t.t.l. : tidak terkelas di tempat lain

RM : Ringgit Malaysia

18. 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 Aidil Fitri 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)*.



1. OBJECTIVE

The main objective of this publication is to provide statistics on the latest trend of main indicators in the Manufacturing sector, ie. **sales value, number of employees, salaries & wages and the production of main products manufactured** which is collected through Monthly Manufacturing Survey. This statistics assists users in policy formulation and decision making.

2. BENCHMARKING

After conducting the Economic Census 2016 (reference year 2015), Department of Statistics Malaysia (DOSM) has reviewed and carried out the benchmarking process towards the manufacturing statistics collected from the Monthly Manufacturing Survey. The benchmarking process is done to enable the series of values of annual estimates derived from short term survey consistent and match with the annual value from census/annual survey of the benchmark year. The benchmark process adapted the guideline of the Quarterly National Accounts Manual 2017 edition, International Monetary Fund to meet the objectives as follows:

- to estimate monthly data that are temporally consistent with the annual data: that is, to ensure that the sum of the monthly data is equal to the annual benchmark;
- to preserve as much as possible the monthly movements in the indicator under the restrictions provided by the annual data; and
- to ensure, for forward series, that the sum of the monthly of the current year is as close as possible to the unknown future annual data.

The benchmarking statistics is compiled on sales value, number of employees and salaries & wages and being published starting from January 2020. The base (benchmark) year using the Economic Census 2016 (reference year 2015) and pro rata (1) and extrapolation method (2) is used in the benchmarking process.

Pro rata Method:

$$M^i V = \frac{M^i I}{\sum_{i=1}^{12} M^i V} \times ADT \quad (1)$$

where;

$M^i V$ = new derived monthly variables estimates

$M^i I$ = monthly indicator series

ADT = annual benchmark data

Extrapolation Method:

$$V_t = V_{t-1} * G_{t-1,t} \quad (2)$$

Where;

V_t = value of variable

$G_{t-1,t}$ = growth from t-1 to t



3. SCOPE AND COVERAGE

Data collected in the Monthly Manufacturing Survey covered the whole of Malaysia. Since January 2020, this publication presents weighted statistics which represent the population sample of 251 industries in Manufacturing sector. Data for industries with less than three establishments was combined to the closest industry to ensure the confidentiality of the respondents as stipulated under the Statistics Act 1965 (Revised-1989).

4. SOURCE OF FRAME

The source of frame is from Malaysia Statistical Business Register (MSBR) where the main information is from census and survey conducted by the Department of Statistics Malaysia (DOSM) and administrative data. The main source of the administrative data is from the Companies Commission of Malaysia (CCM). In addition, DOSM also collaborates and yield information from over 50 other agencies such as the Employees Provident Fund (EPF), Royal Malaysian Customs Department (RMCD), Inland Revenue Board (IRB), Local Authorities and other Professional Bodies. The frame is updated continuously by taking into account of new establishments and to record any changes in the establishment status such as closed down, not in operation, change in types of activity and location or postal addresses to ensure that the information in the frame is at the most current status.

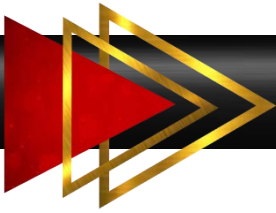
5. TYPE OF BUSINESS ACTIVITY

Type of business activity is divided into primary and secondary. The primary activity refers to the activities which focus on its main resources and income. Secondary activities are defined as those incidental or ancillary to the primary activity. The classification of the establishment's industry is based on the primary activity and the Malaysia Standard Industrial Classification (MSIC 2008) Version 1.0 according to the International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations, with modifications to suit local conditions.

6. CONCEPT AND DEFINITION

Concepts and definitions used are in line with the manual of Recommendations for Industrial Statistics 2008, United Nations Statistics Division. The definition of manufacturing used in this survey is consistent with Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0.

Manufacturing is defined as the physical or chemical transformation of materials or components into new products, whether the work is performed by power-driven machines or by hand, whether it is done in a factory or in the worker's home, and whether the products are sold at wholesale or retail.



7. SAMPLING DESIGN

Sampling design of the survey is a one-stage stratified random sampling. The establishment is classified as sampling unit while a few categories of stratum was identified.

Each stratum has been set up to three substrata to ensure the distributed sample takes into account the economic characteristics of the stratum. The main substratum is heterogeneous and was fully covered. Whereas, other substratum that are homogeneous were sampled.

Main substratum include large establishments which have a significant total revenue in the respective industry while for the second and third substratum are based on small and medium enterprise (SME) categories.

8. SAMPLE SIZE

The main statistics used to estimate the sample size is the sales value. The formula used in the estimation of the sample size for a stratum is as follows:

$$n = \frac{(\sum N_i S_i)^2}{V + \sum N_i S_i^2} \quad (3)$$

where;

n = Sample size

N_i = Population size for stratum i

S_i^2 = Variance for stratum i

V = Desired variance

$$V = RSE^2 \cdot \left(\frac{\hat{Y}_i}{Z} \right)^2 \quad (4)$$

where;

$\hat{Y}_i$ = Estimated sales value for stratum

RSE = Relative standard error

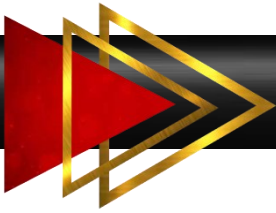
Z = Value of confidence level

Sample is distributed to substratum of the industry using Neyman Allocation method as follows:

$$n_{hi} = \left(\frac{N_h S_h}{\sum N_h S_h} \right) n_i' \quad (5)$$

$h = 2, 3 \text{ and } 4$

$i = 1, 2, \dots k$



where;

n_{hi} = Sample size for substratum h of stratum i

N_h = Population size for substratum h

S_h = Standard deviation for substratum h

n_i = Sample size for stratum i

h = Substratum

i = Stratum

Establishments of the main substratum were fully covered while establishments of the second and third substratum were randomly selected using systematic random sampling.

9. WEIGHTED

Weighted analysis is done using sampling weight to ensure that the selected sample can reflect population survey. The weights required are the sampling design and non response weights.

The sampling design weight for the establishment at substratum h is as follows:

$$W_h = \frac{N_h}{n_h}, \quad h = 1, \dots, 4 \quad (6)$$

where,

N_h = Total population of substratum h ; and

n_h = Total sample of substratum h



Non response weight at substratum h as below:

$$NRW_h = \frac{1}{\frac{n'_h}{n_h}}, \quad h = 1, \dots, 4 \quad (7)$$

where,

n'_h = Number of response in sample size for substratum h

n_h = Number of sample size for substratum h

The method of calculating the sampling design weight after the survey (adjusted weight) on substratum h as below:

$$W'_h = W_h \times NRW_h, \quad h = 1, \dots, 4 \quad (8)$$

where,

W_h = Sampling design weight at substratum h

NRW_h = Non response weight at substratum h

10. 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 organisation 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, if 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.



11. VALUE OF SALES

The reported sales value refers to the sales value of their own products. This relates to sales of goods made on the reporting month, whether the products were produced/ manufactured by the establishment during the month or in the other months previously. The sales value was net selling price (ex-factory) value relating to the quantity sold. The valuation price charged to customers were excluding:

- a. discounts or rebates;*
- b. Charges for carriage outwards;*
- c. commissions to selling agents;*
- d. all other charges such as excise duties paid, sales tax collected by the factory on behalf of the government; and*
- e. Installation, repairs and construction charges.*

12. NUMBER OF PAID EMPLOYEES

Number of paid employees cover as follows:

- a. Paid employees (full-time) - Refers to those who work for at least 6 hours a day and 20 days a month; and*
- b. Paid employees (part-time) - Refers to all paid workers who work for less than 6 hours a day and/or less than 20 days a month.*

13. SALARIES & WAGES PAID

Salaries & wages paid refers to all cash payments, including bonuses, commissions, overtime wages, cost of living allowances and other allowances made to all employees during the reference month. The employees' contribution to Employees' Provident Fund (EPF) and Social Security Organisation (SOCSO) is included but the employer's contribution is excluded. Allowances to working proprietors, working partners and unpaid family workers and severance and termination pay are not included.

14. CONFIDENTIALITY REQUIRED

The survey is conducted under the provisions of the Statistics Act 1965 (Revised-1989). The Act stipulates that the contents of individual returns are CONFIDENTIAL. In conformity with the stipulations of this Act, only aggregated figures are published.



15. REVISIONS

Revisions will be made to the published figures based on the latest data available.

16. ROUNDING

The sum of the component figures may not tally with the sub-total or total figures due to rounding.

17. SYMBOLS AND ABBREVIATIONS

The following symbols have been used throughout the publication:-

n.e.c. : not elsewhere classified

RM : Malaysian Ringgit

18. 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-ul 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).