



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

2023
SUKU KEEMPAT
FOURTH QUARTER

STATISTIK KAPASITI PENGGUNAAN INDUSTRI PEMBUATAN

MANUFACTURING INDUSTRY
CAPACITY UTILISATION STATISTICS

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA



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Pemakluman

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".

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Announcement

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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- i) Department of Statistics Malaysia: 1-800-88-7720 / 1-800-88-7721
- ii) Online Enquiries through SISPAA: <https://padu.spab.gov.my>

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KATA PENGANTAR



Penerbitan Statistik Kapasiti Penggunaan Industri Pembuatan diterbitkan oleh Jabatan Perangkaan Malaysia (DOSM). Penerbitan ini memaparkan statistik kapasiti penggunaan bagi sektor Pembuatan di Malaysia yang diterbitkan secara suku tahunan mulai Suku Pertama 2023. Statistik ini disusun mulai Januari 2015 sehingga Disember 2023 yang memberikan indikator tambahan kepada pengguna dalam menilai prestasi sektor Pembuatan di Malaysia.

Konsep yang digunakan dalam penerbitan ini adalah berpandukan kepada *International Recommendations for Industrial Statistics 2008, United Nations Statistics Division* manakala definisi Pembuatan adalah konsisten dengan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0. Statistik ini juga boleh digunakan sebagai sumber rujukan oleh kerajaan, ahli ekonomi, ahli akademik, pihak swasta serta individu bagi tujuan perancangan dan penggubalan dasar, analisis ekonomi, unjuran dan membantu dalam perancangan pembangunan perniagaan.

Penerbitan ini mengandungi tiga bahagian. Bahagian pertama memaparkan infografik dan ringkasan penemuan. Bahagian kedua memuatkan jadual terperinci manakala bahagian ketiga menerangkan aspek teknikal seperti skop & liputan dan konsep & definisi yang digunakan bagi memudahkan pengguna memahami statistik yang diterbitkan.

Jabatan Perangkaan Malaysia merakamkan setinggi-tinggi penghargaan atas kerjasama dan sumbangan yang diberikan oleh semua pihak dalam membekalkan data yang diperlukan dan menyumbang kepada kejayaan penerbitan ini. Setiap maklum balas dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amatlah dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN
Ketua Perangkawan Malaysia

Februari 2024



PREFACE

The Manufacturing Industry Capacity Utilisation Statistics is a publication published by the Department of Statistics Malaysia (DOSM). The publication presents capacity utilisation statistics for the Manufacturing sector in Malaysia which published on quarterly basis since First Quarter 2023. The statistics was compiled from January 2015 until December 2023 which provide additional indicators for the users in assessing the performance of the Manufacturing sector in Malaysia.

The concept used in this compilation is guided by the International Recommendations for Industrial Statistics 2008, United Nations Statistics Division while the definition of Manufacturing is consistent with Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0. These statistics can be used by government agencies, economists, academicians, private sectors and individuals for planning and formulating policies, economic analysis, projections and assisting in business development planning.

This publication is divided into three main parts. The first part displays the infographic and summary of findings. The second part shows the detailed statistical tables meanwhile the third part explains technical aspects such as scope & coverage and concepts & definitions used to assist users to understand the published statistics.

Department of Statistics Malaysia (DOSM) gratefully acknowledges the co-operation and contribution of all parties who have provided the required data and contributed to the success of this publication. Every feedback and suggestion towards improving future publications is highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN
Chief Statistician Malaysia

February 2024



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Ringkasan Penemuan

Summary of Findings

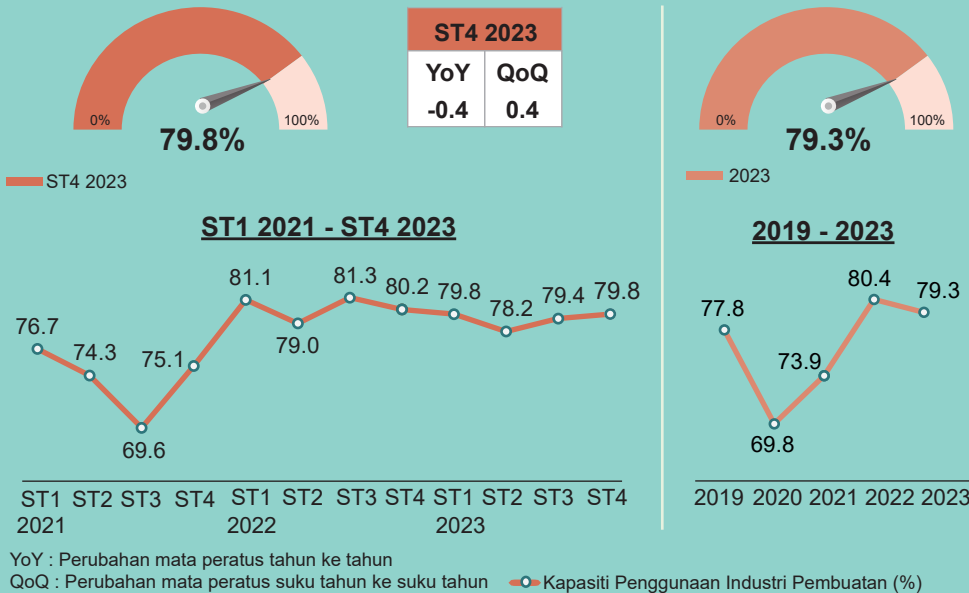


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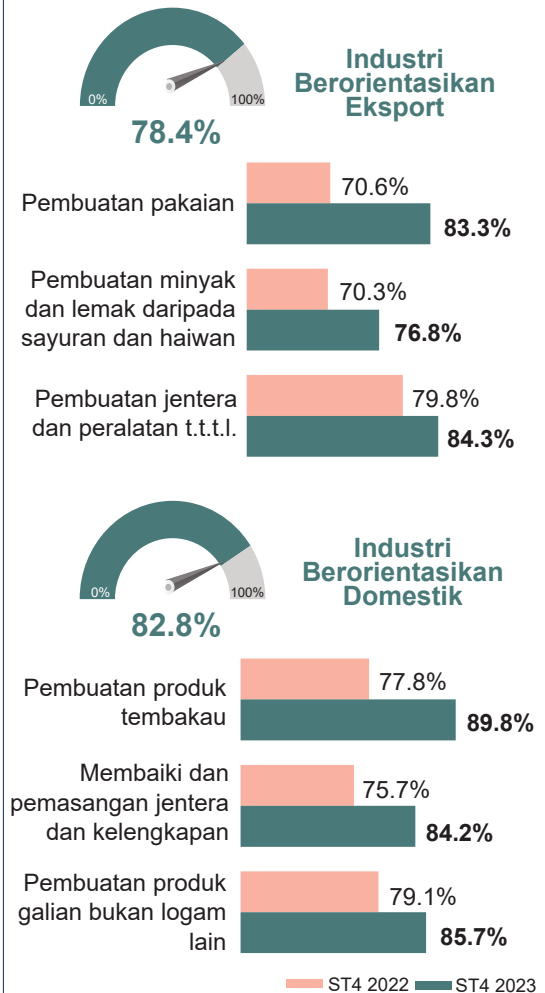
STATISTIK KAPASITI PENGGUNAAN INDUSTRI PEMBUATAN SUKU KEEMPAT 2023

Industri Pembuatan beroperasi pada kapasiti 79.8 peratus pada suku keempat 2023

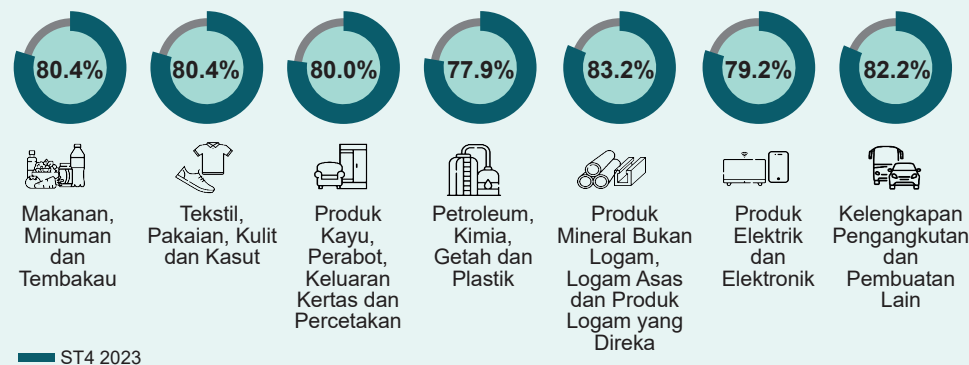
Kapasiti Penggunaan Industri Pembuatan



Peningkatan tiga tertinggi dalam industri berorientasikan eksport dan domestik pada ST4 2023

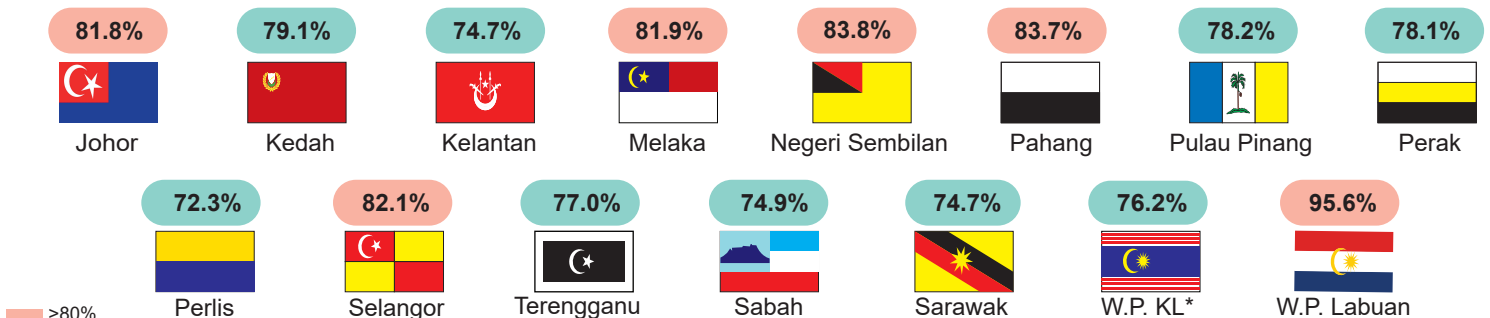


Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor



Kapasiti Penggunaan Industri Pembuatan mengikut Negeri

Industri Pembuatan di enam negeri beroperasi pada kapasiti lebih 80 peratus pada suku keempat 2023 iaitu **W.P. Labuan (95.6%)**, **Negeri Sembilan (83.8%)**, **Pahang (83.7%)**, **Selangor (82.1%)**, **Melaka (81.9%)** dan **Johor (81.8%)**



Apakah yang dimaksudkan dengan Kapasiti Penggunaan Industri Pembuatan?

Kapasiti penggunaan merujuk kepada nisbah output sebenar yang dihasilkan berbanding pengeluaran output pada kapasiti penuh melalui gabungan optimum mesin, bahan mentah dan buruh

Kapasiti Penggunaan

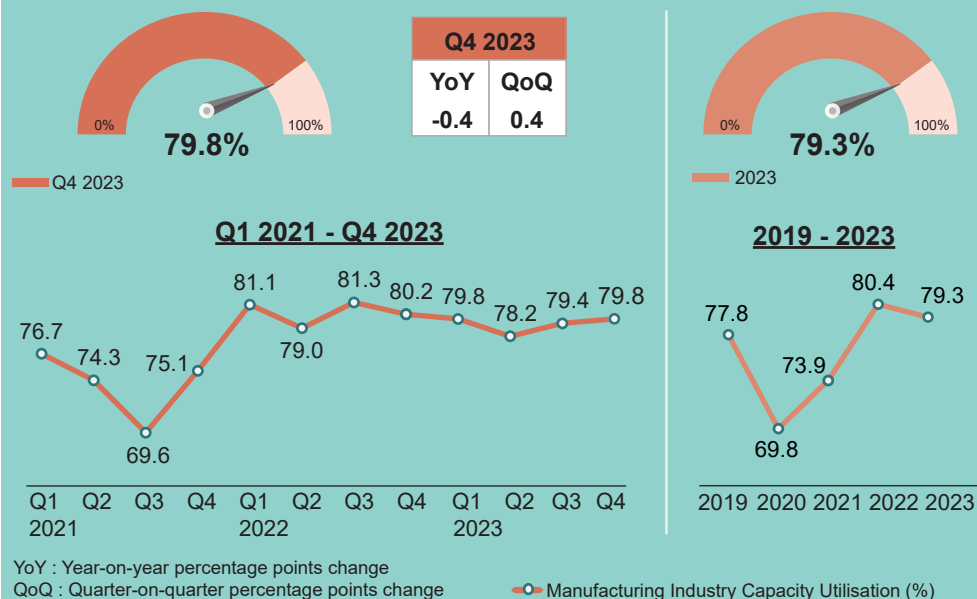
$$= \frac{\text{Nilai Pengeluaran Sebenar}}{\text{Nilai Pengeluaran Penuh}} \times 100$$



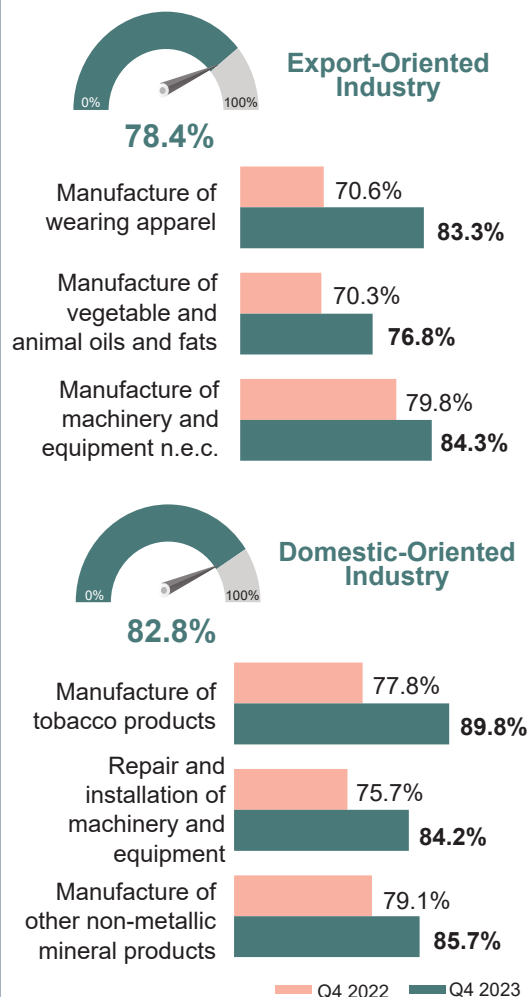
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Manufacturing industry's operated at 79.8 per cent of capacity in the fourth quarter of 2023

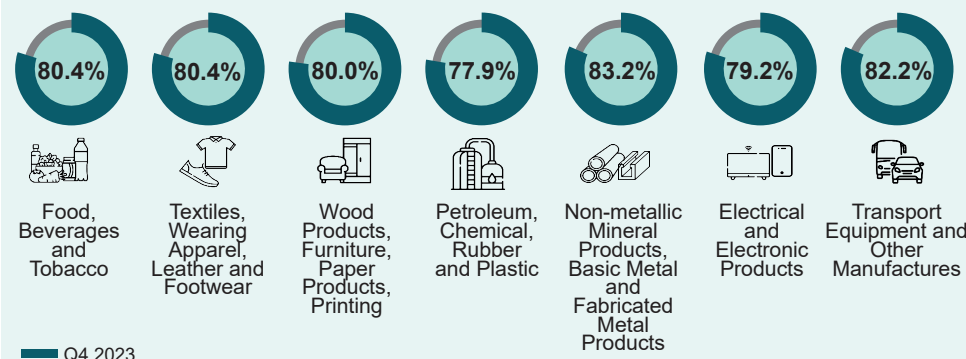
Manufacturing Industry Capacity Utilisation



Top three increments in **exports-oriented** and **domestic-oriented** industries in Q4 2023

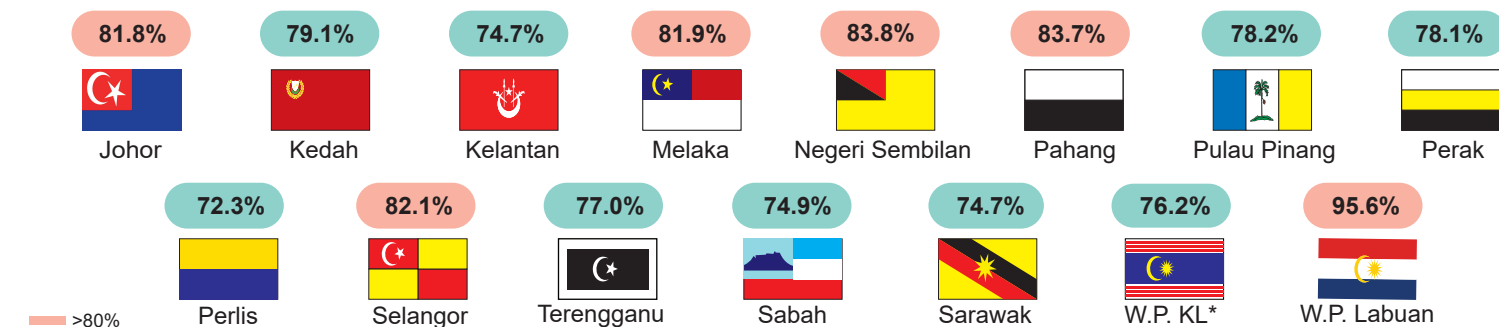


Manufacturing Industry Capacity Utilisation by Sub-sector



Manufacturing Industry Capacity Utilisation by State

The Manufacturing industry in six states operated at a capacity exceeding 80 per cent in the fourth quarter of 2023 namely **W.P. Labuan (95.6%)**, **Negeri Sembilan (83.8%)**, **Pahang (83.7%)**, **Selangor (82.1%)**, **Melaka (81.9%)** and **Johor (81.8%)**



What is meant by Manufacturing Industry Capacity Utilisation?

Capacity utilisation refers to a ratio of actual output produced to the production of output at full capacity through an optimal combination of machinery, raw materials and labour

$$\text{Capacity Utilisation} = \frac{\text{Actual Level of Output}}{\text{Full Level of Output}} \times 100$$



1.0 Pengenalan

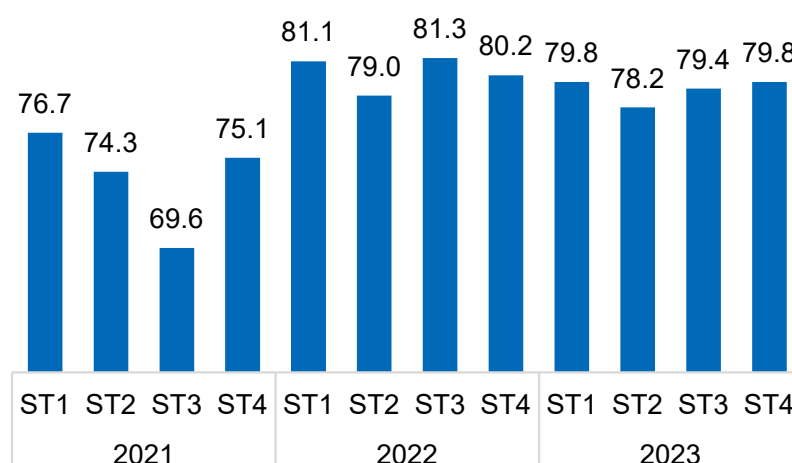
Penerbitan ini memaparkan statistik kapasiti penggunaan bagi industri Pembuatan yang diperoleh daripada Survei Pembuatan Bulanan yang dijalankan oleh Jabatan Perangkaan Malaysia. Statistik yang dilaporkan dalam penerbitan ini adalah dari tempoh suku pertama 2015 hingga suku keempat 2023 di peringkat nasional dan negeri. Sebagai tambahan, data tahunan dan bulanan juga dilaporkan dalam penerbitan ini.

Kapasiti penggunaan merujuk kepada nisbah output sebenar yang dihasilkan berbanding pengeluaran output pada kapasiti penuh melalui gabungan optimum mesin, bahan mentah dan buruh. Konsep yang digunakan dalam penerbitan ini adalah berpandukan kepada International Recommendations for Industrial Statistics 2008, United Nations Statistics Division manakala definisi Pembuatan adalah konsisten dengan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0.

2.0 Prestasi Kapasiti Penggunaan Industri Pembuatan di Malaysia, Suku Keempat 2023

Industri Pembuatan beroperasi dengan kapasiti penggunaan 79.8 peratus pada suku keempat 2023, berkurang 0.4 mata peratus berbanding setahun yang lalu (ST4 2022: 80.2%). Kapasiti penggunaan yang lebih rendah dalam industri Pembuatan disebabkan terutamanya oleh penurunan dalam subsektor Produk petroleum, kimia, getah & plastik (-4.2 mata peratus); dan Produk peralatan elektrik & elektronik (-0.5 mata peratus). Berbanding suku tahun sebelumnya, kapasiti penggunaan industri Pembuatan terus meningkat sebanyak 0.4 mata peratus (ST3 2023: 79.4%; +1.2 mata peratus) (Paparan 1).

Paparan 1: Kapasiti Penggunaan Industri Pembuatan, ST1 2021 - ST4 2023



Secara bulanan, kadar penggunaan dalam industri Pembuatan melebihi 80.0 peratus bagi dua bulan berturut-turut, beroperasi pada 80.4 peratus dalam bulan Oktober 2023 dan 80.1 peratus pada bulan November 2023. Namun begitu, kadar kapasiti penggunaan pada bulan Disember 2023 menurun kepada 78.9 peratus. Pengurangan kadar kapasiti pengeluaran adalah dipengaruhi terutamanya oleh permintaan yang rendah, bekalan bahan yang tidak mencukupi serta pembaikan & penyelenggaraan mesin & peralatan.

3.0 Kapasiti Penggunaan mengikut Subsektor Pembuatan, Suku Keempat 2023

Terdapat lima subsektor yang merekodkan kadar kapasiti penggunaan melebihi 80.0 peratus pada suku keempat 2023. Kadar tertinggi iaitu 83.2 peratus adalah direkodkan dalam subsektor Pembuatan produk mineral bukan logam, logam asas & produk logam yang direka dengan menunjukkan peningkatan 4.5 mata peratus tahun ke tahun. Ini diikuti oleh Kelengkapan pengangkutan & pembuatan lain dengan 82.2 peratus (+1.7 mata peratus). Sementara itu, subsektor Pembuatan petroleum, kimia, getah & plastik beroperasi pada kapasiti penggunaan terendah dengan 77.9 peratus, berkurang 4.2 mata peratus.

Berbanding suku tahun sebelum, hampir kesemua subsektor menunjukkan peningkatan pada suku keempat 2023, kecuali Produk peralatan elektrik & elektronik yang menurun 0.7 mata peratus kepada 79.2 peratus. Pembuatan produk kayu, perabot, keluaran kertas dan percetakan mencatatkan peningkatan tertinggi dengan 2.9 mata peratus kepada 80.0 peratus berbanding suku ketiga 2023 (ST3 2023: 77.1%; +0.8 mata peratus) (**Paparan 2**).

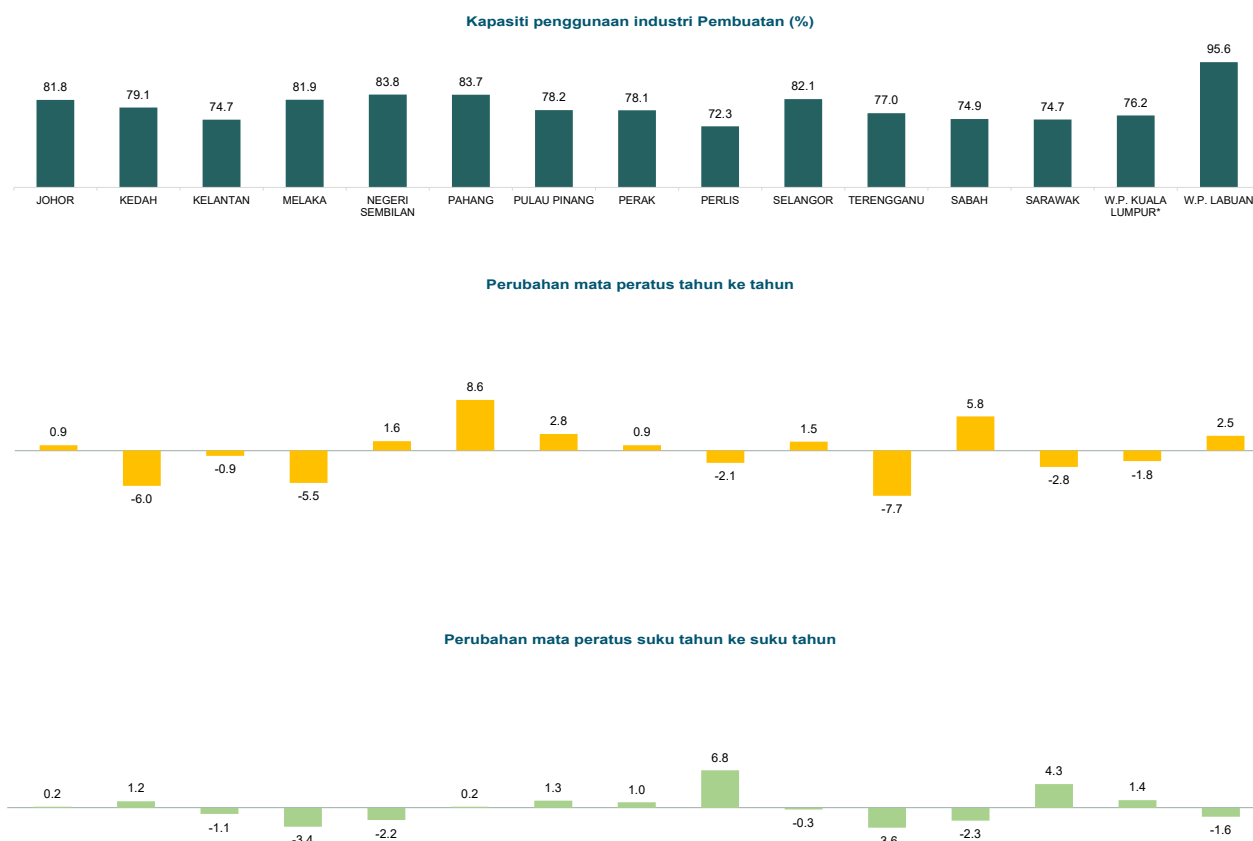
Paparan 2: Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor, ST4 2023

	Kapasiti penggunaan Industri Pembuatan (%)	Perubahan mata peratus tahun ke tahun	Perubahan mata peratus suku tahun ke suku tahun
 Makanan, minuman dan tembakau	80.4	0.9	0.3
 Tekstil, pakaian, kulit dan kasut	80.4	1.1	0.7
 Produk kayu, perabot, keluaran kertas dan percetakan	80.0	3.3	2.9
 Petroleum, kimia, getah dan plastik	77.9	-4.2	0.1
 Produk mineral bukan logam, logam asas dan produk logam yang direka	83.2	4.5	1.7
 Produk elektrik dan elektronik	79.2	-0.5	-0.7
 Kelengkapan pengangkutan dan pembuatan lain	82.2	1.7	0.8

4.0 Kapasiti Penggunaan Industri Pembuatan mengikut Negeri

Pada suku keempat 2023, industri Pembuatan bagi enam negeri beroperasi pada kapasiti melepasi paras nasional iaitu WP Labuan (95.6%); Negeri Sembilan (83.8%); Pahang (83.7%); Selangor (82.1%); Melaka (81.9%); dan Johor (81.8%). Sementara itu, enam negeri mengalami penurunan kapasiti penggunaan tahun ke tahun iaitu Kedah, Kelantan, Melaka, Perlis, Terengganu dan Sarawak. Tambahan lagi, Perlis kekal merekodkan kadar kapasiti penggunaan terendah pada 72.3 peratus (**Paparan 3**).

Paparan 3: Kapasiti Penggunaan Industri Pembuatan mengikut Negeri, ST4 2023



*Termasuk W.P. Putrajaya

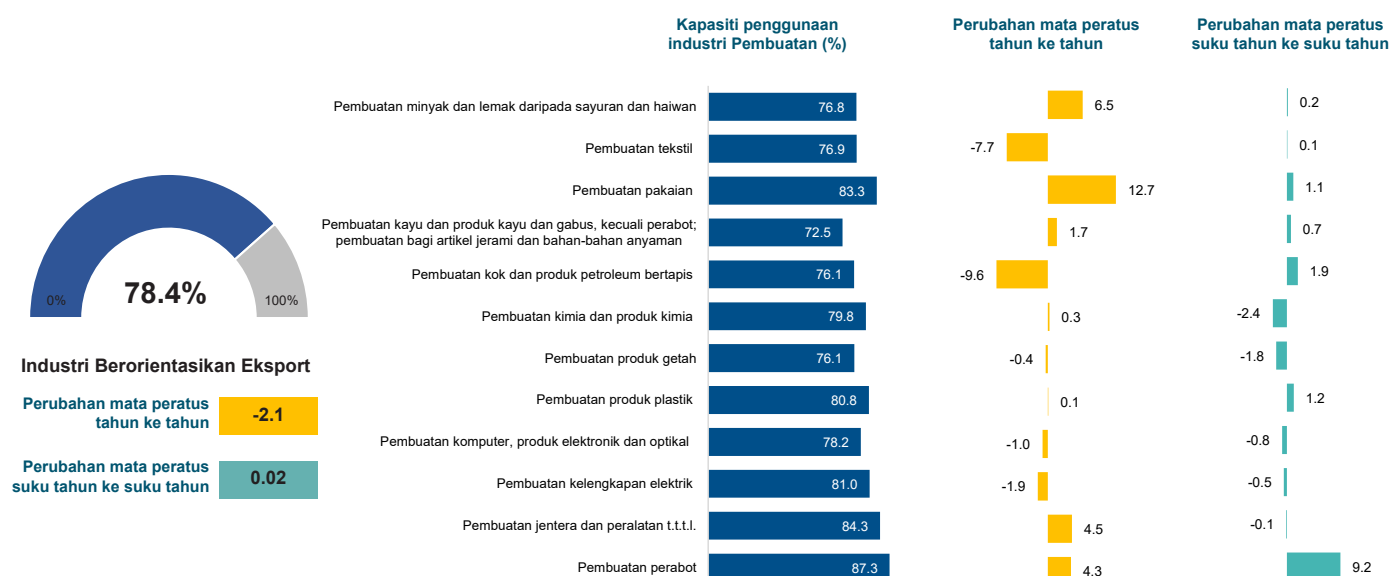
5.0 Kapasiti Penggunaan dalam Industri Berorientasikan Eksport dan Domestik

Kapasiti penggunaan bagi industri berorientasikan eksport berkurang 2.1 mata peratus kepada 78.4 peratus pada suku keempat 2023 (**Paparan 4**). Pembuatan kok & produk petroleum bertapis mencatatkan penurunan ketara sebanyak 9.6 mata peratus, mencapai 76.1 peratus; diikuti Pembuatan pakaian yang jatuh 7.7 mata peratus kepada 76.9 peratus.

Namun begitu, kadar kapasiti penggunaan bagi industri berorientasikan domestik terus kukuh sebanyak 3.3 mata peratus, mencapai 82.8 peratus (**Paparan 5**). Tiga kenaikan tertinggi direkodkan oleh Pembuatan produk tembakau (89.8%; +12.0 mata peratus), Membaiki dan pemasangan jentera dan kelengkapan (84.2%; +8.5 mata peratus) dan Pembuatan produk galian bukan logam lain (85.7%; +6.6 mata peratus).

Bagi perbandingan dengan suku tahun sebelum, kedua-dua industri berorientasikan eksport dan domestik masing-masing merekodkan kenaikan 0.02 mata peratus dan 1.1 mata peratus.

Paparan 4: Kapasiti Penggunaan Industri Pembuatan Berorientasikan Eksport, ST4 2023



Paparan 5: Kapasiti Penggunaan Industri Pembuatan Berorientasikan Domestik, ST4 2023



6.0 Prestasi Indeks Pengeluaran Perindustrian (IPP), Suku Keempat 2023

Pada suku keempat 2023, IPP mencatatkan peningkatan marginal 1.0 peratus tahun ke tahun berbanding pertumbuhan negatif 0.05 peratus yang direkodkan pada suku ketiga 2023. Pada tempoh tersebut, sektor Perlombongan meningkat 4.3 peratus, manakala sektor Pembuatan menurun sedikit sebanyak 0.2 peratus. Sementara itu, penjanaan Elektrik menunjukkan peningkatan sebanyak 4.9 peratus. Berbanding suku tahun sebelum, IPP berkembang sebanyak 2.5 peratus.

Pertumbuhan marginal negatif 0.2 peratus dalam output sektor Pembuatan (ST3 2023: -0.1%) turut dicerminkan melalui penurunan kapasiti penggunaan industri pembuatan pada suku keempat 2023 ini. Perbandingan suku tahun ke suku tahun, sektor Pembuatan berkembang 0.6 peratus berbanding positif 5.5 peratus direkodkan pada suku ketiga 2023.



1.0 Introduction

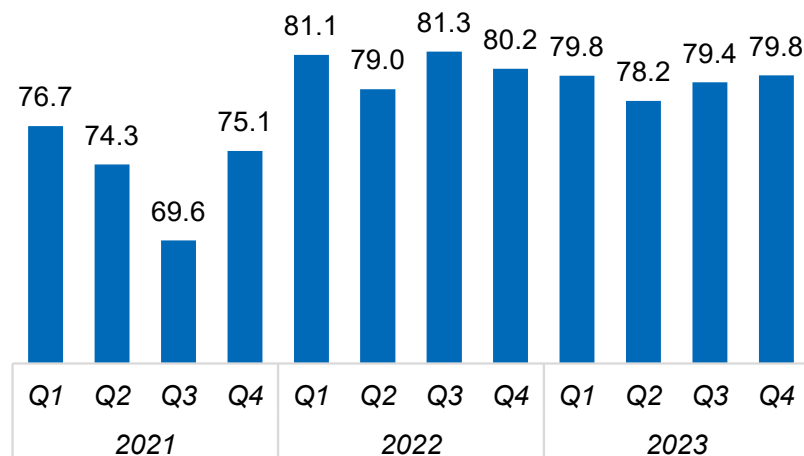
This publication presents statistics on capacity utilisation for Manufacturing industries acquired from the Monthly Manufacturing Survey conducted by the Department of Statistics, Malaysia. The statistics reported in this publication is for the period of the first quarter of 2015 until the fourth quarter of 2023 at the national and state level. In addition, annual and monthly data are also reported in this publication.

Capacity utilisation refers to a ratio of actual output produced to the production of output at full capacity through an optimal combination of machinery, raw materials and labour. The concept used in this compilation is guided by the International Recommendations for Industrial Statistics 2008, United Nations Statistics Division while the definition of Manufacturing is consistent with Malaysia Standard Industrial Classification (MSIC) 2008 Ver. 1.0.

2.0 Performance of Manufacturing Industry Capacity Utilisation in Malaysia, Fourth Quarter of 2023

Manufacturing industry operated with capacity utilisation of 79.8 per cent in the fourth quarter 2023, lowered by 0.4 percentage points as compared to a year ago (Q4 2022: 80.2%). A lower capacity utilisation of the Manufacturing industry was primarily attributable to decreases in the sub-sector of Petroleum, chemical, rubber & plastic products (-4.2 percentage points); and Electrical & electronic products (-0.5 percentage points). As compared to the previous quarter, the capacity utilisation of the manufacturing industry increased by 0.4 percentage points (Q3 2023: 79.4%; +1.2 percentage points). (Figure 1)

Figure 1: Manufacturing Industry Capacity Utilisation, Q1 2021 – Q4 2023



On a monthly basis, the utilisation rate in the Manufacturing industry exceeded 80.0 per cent for two consecutive months, operating at 80.4 per cent in October 2023 and 80.1 per cent in November 2023. Nonetheless, the capacity utilisation rate for December 2023 dropped to 78.9 per cent. The decrease in production capacity was primarily influenced by low demand, insufficient supply of materials and the repair & maintenance of machinery & equipment.

3.0 Capacity Utilisation by Manufacturing Sub-sector, Fourth Quarter of 2023

There were five sub-sectors that posted a capacity utilisation rate above 80.0 per cent in the fourth quarter of 2023. The highest rate of 83.2 per cent was recorded by the Manufacture of non-metallic mineral products, basic metals & fabricated metal products sub-sector, marking a year-on-year increase of 4.5 percentage points. This was followed by Transport equipment & other manufactures with 82.2 per cent (+1.7 percentage points). Meanwhile, the Manufacture of petroleum, chemical, rubber & plastics sub-sector operated at the lowest capacity with 77.9 per cent, lessened by 4.2 percentage points.

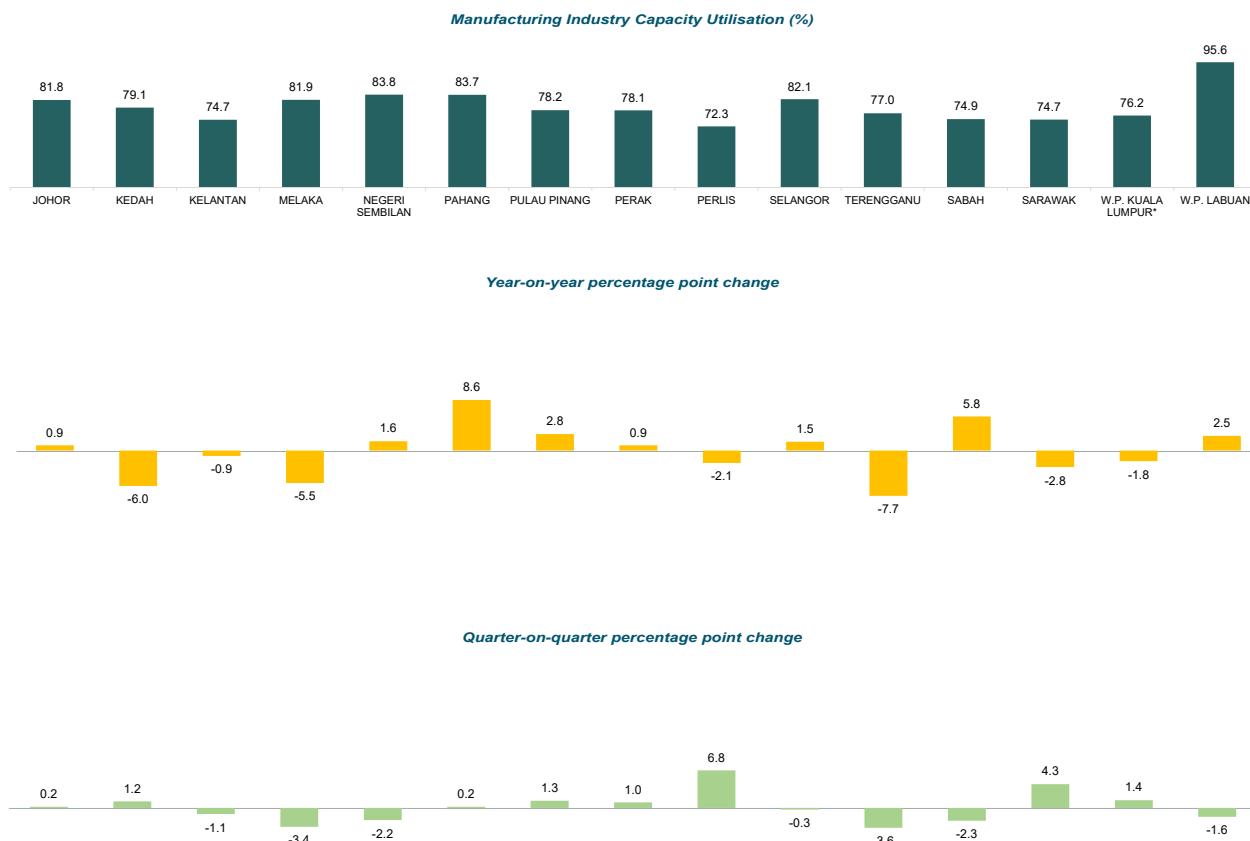
In comparison with the previous quarter, almost all sub-sectors showed an increment in the fourth quarter 2023, except for the Electrical & electronic products, which declined by 0.7 percentage points to 79.2 per cent. The Manufacture of Wood, Furniture, Paper Products & printing sub-sector posted the highest increment by 2.9 percentage points to 80.0 per cent as compared to the third quarter of 2023 (Q3 2023: 77.1%; +0.8 percentage points) (**Figure 2**).

Figure 2: Manufacturing Industry Capacity Utilisation by Sub-sector, Q4 2023

		Manufacturing industry capacity utilisation (%)	Year-on-year percentage point change	Quarter-on-quarter percentage point change
	Food, beverages and tobacco	80.4	0.9	0.3
	Textiles, wearing apparel, leather and footwear	80.4	1.1	0.7
	Wood products, furniture, paper products and printing	80.0	3.3	2.9
	Petroleum, chemical, rubber and plastic	77.9	-4.2	0.1
	Non-metallic mineral products, basic metal and fabricated metal products	83.2	4.5	1.7
	Electrical and electronic products	79.2	-0.5	-0.7
	Transport equipment and other manufactures	82.2	1.7	0.8

4.0 Manufacturing Industry Capacity Utilisation by State

In the fourth quarter of 2023, the Manufacturing industry in six states operated at a capacity exceeding the national rate, namely WP Labuan (95.6%); Negeri Sembilan (83.8%); Pahang (83.7%); Selangor (82.1%); Melaka (81.9%); and Johor (81.8%). Nonetheless, six states experienced a year-on-year decrease in capacity utilisation which were Kedah, Kelantan, Melaka, Perlis, Terengganu and Sarawak. Additionally, Perlis continued to record the lowest capacity utilisation rate at 72.3 per cent (**Figure 3**).

Figure 3: Manufacturing Industry Capacity Utilisation by State, Q4 2023

*includes W.P. Putrajaya

5.0 Capacity Utilisation in Export-Oriented and Domestic-Oriented Industries

The capacity utilisation in the export-oriented industry declined by 2.1 percentage points to 78.4 per cent during the fourth quarter of 2023 (**Figure 4**). The Manufacture of coke & refined petroleum products recorded a substantial deterioration of 9.6 percentage points; reaching 76.1 per cent; followed by the Manufacture of textiles, which shrank by 7.7 percentage points to 76.9 per cent.

Nonetheless, the capacity utilisation rate in domestic-oriented industry remained vibrant by 3.3 percentage points, reaching 82.8 per cent (**Figure 5**). The top three increments were recorded by the Manufacture of tobacco products (89.8%; +12.0 percentage points), Repair and installation of machinery and equipment (84.2%; +8.5 percentage points) and Manufacture of other non-metallic mineral products (85.7%; +6.6 percentage points).

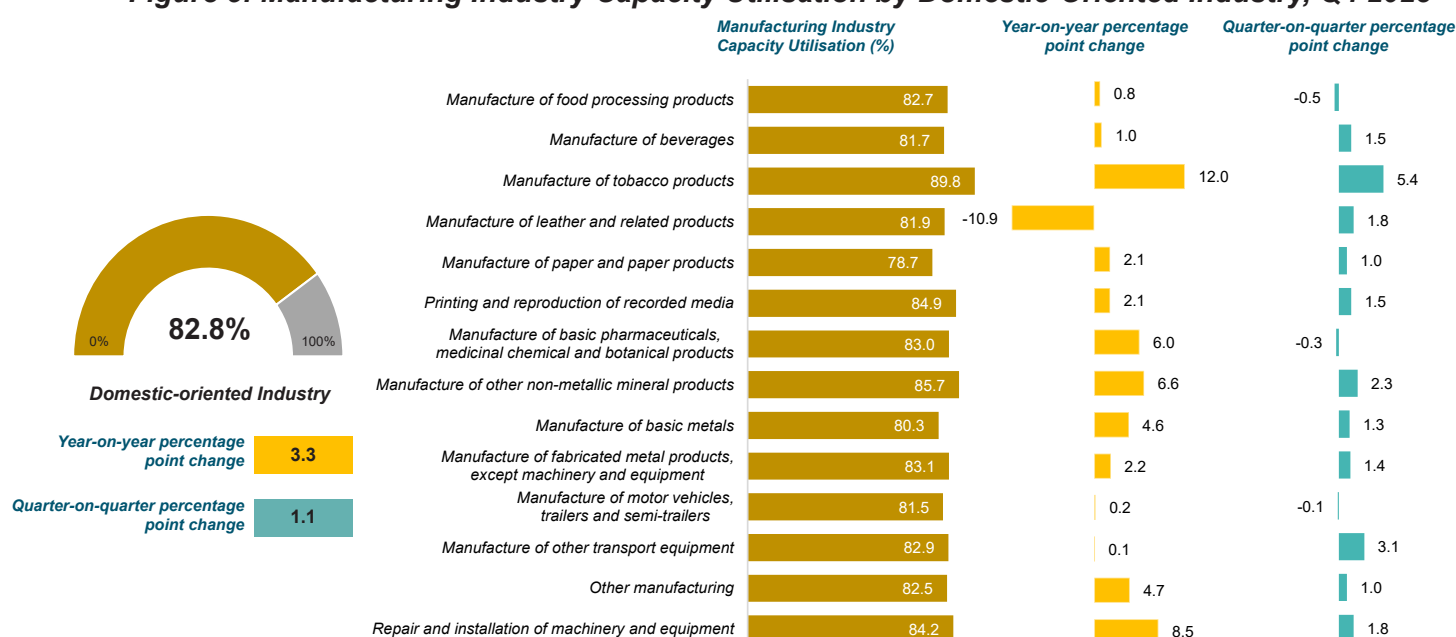
In comparison with the previous quarter, both export-oriented and domestic-oriented industries registered an increment of 0.02 percentage points and 1.1 percentage points, respectively.

SUMMARY OF FINDINGS

Figure 4: Manufacturing Industry Capacity Utilisation by Export-Oriented Industry, Q4 2023



Figure 5: Manufacturing Industry Capacity Utilisation by Domestic-Oriented Industry, Q4 2023



6.0 Performance of Industrial Production Index (IPI), Fourth Quarter of 2023

In the fourth quarter 2023, IPI registered a marginal increase of 1.0 per cent year-on-year as compared to the negative 0.05 per cent growth recorded in the third quarter of 2023. During the period, the Mining sector increased by 4.3 per cent, while the Manufacturing sector declined slightly by 0.2 per cent. Meanwhile, Electricity generation showed an increments by 4.9 per cent. As compared to the previous quarter, IPI grew by 2.5 percent.

The marginal decline of 0.2 per cent in the manufacturing sector output (Q3 2023: -0.1%) is also reflected in the decrease in manufacturing industry capacity utilisation in the fourth quarter of 2023. In a quarter-on-quarter comparison, the Manufacturing sector increased by 0.6 percent, as compared to the 5.5 percent growth recorded in the third quarter of 2023.

Jadual Statistik

Statistical Table



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1a Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Tahunan

Manufacturing Industry Capacity Utilisation by Sub-sector - Yearly

Keterangan Subsektor Sub-sector Description		2017	2018	2019	2020	2021	2022	2023
1. Makanan, minuman dan tembakau Food, beverages and tobacco		70.5	71.1	73.3	66.7	67.3	81.2	79.7
10	Pembuatan produk makanan Manufacture of food products	76.3	76.5	73.7	73.9	75.1	76.4	78.1
11	Pembuatan minuman Manufacture of beverages	67.3	71.9	71.4	65.3	67.3	81.5	80.0
12	Pembuatan produk tembakau Manufacture of tobacco products	73.0	65.3	76.9	59.7	61.4	84.2	89.3
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		77.8	78.1	77.8	68.4	74.5	81.0	79.5
13	Pembuatan tekstil Manufacture of textiles	71.3	69.1	69.1	65.7	73.7	85.5	76.5
14	Pembuatan pakaian Manufacture of wearing apparel	84.2	87.4	87.0	70.9	76.2	74.1	81.4
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	81.0	81.8	79.2	70.6	71.2	89.9	83.0
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		77.5	78.0	77.0	69.9	70.9	78.1	77.1
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	75.1	75.4	73.9	67.6	68.9	72.6	70.5
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	78.2	81.0	79.1	73.9	74.2	79.3	77.5
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	77.0	76.4	77.1	69.8	70.9	82.0	83.3
31	Pembuatan perabot Manufacture of furniture	81.4	80.0	79.9	68.8	70.2	83.8	81.2
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		82.8	82.4	80.1	70.5	75.0	80.8	78.4
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	86.9	84.4	80.3	63.0	70.8	81.6	76.5
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	78.6	82.3	81.1	76.3	80.2	80.1	80.8
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	72.4	74.6	73.3	73.7	72.4	80.0	82.5
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	80.1	78.9	78.5	78.3	76.7	79.9	78.6
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		74.6	75.8	74.6	68.0	69.4	79.2	80.8
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	72.4	72.7	72.1	64.1	67.9	80.1	81.7
24	Pembuatan logam asas Manufacture of basic metals	77.8	77.1	75.7	68.0	68.7	77.2	78.8
25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	73.8	77.1	75.8	70.8	71.1	80.1	81.3
6. Produk elektrik dan elektronik Electrical and electronic products		80.3	78.9	77.3	70.8	76.7	80.5	79.4
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	80.7	78.9	77.1	70.5	76.9	80.1	78.6
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	80.9	80.6	80.3	71.8	77.1	82.8	80.3
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	76.0	76.4	75.5	71.9	74.3	81.7	83.3
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		73.2	76.7	78.1	67.3	70.1	81.6	82.1
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	70.6	77.9	78.9	64.9	69.0	83.0	82.8
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	77.7	74.8	78.5	69.6	72.0	81.3	80.3
32	Pembuatan lain Other manufacturing	76.6	73.9	76.3	72.6	71.9	76.9	81.0
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	77.9	75.8	74.3	72.7	72.2	78.6	82.1
Malaysia		79.2	79.1	77.8	69.8	73.9	80.4	79.3

1b Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Sub-sector - Quarterly

Keterangan Subsektor Sub-sector Description		2017				2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1. Makanan, minuman dan tembakau Food, beverages and tobacco		70.3	73.3	74.5	63.8	65.8	71.7	74.1	72.6
10 Pembuatan produk makanan Manufacture of food products		73.8	78.0	76.7	76.9	76.0	75.5	75.5	79.0
11 Pembuatan minuman Manufacture of beverages		64.6	69.2	72.6	62.7	63.9	73.0	77.0	73.5
12 Pembuatan produk tembakau Manufacture of tobacco products		80.0	78.5	77.2	56.2	62.4	66.3	66.6	66.0
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		78.8	73.8	79.0	79.4	75.6	81.4	77.8	77.5
13 Pembuatan tekstil Manufacture of textiles		73.9	65.7	73.3	72.4	64.3	75.6	68.3	68.3
14 Pembuatan pakaian Manufacture of wearing apparel		83.0	81.2	85.3	87.4	87.4	87.5	87.4	87.5
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products		83.7	81.3	79.7	79.3	80.6	83.9	83.5	79.4
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		77.1	77.1	77.6	78.1	77.4	78.2	78.6	77.7
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		75.1	73.9	74.5	76.7	74.4	74.7	76.1	76.2
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products		77.7	78.1	78.1	78.8	81.2	80.7	81.2	80.7
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media		74.6	79.0	79.1	75.4	74.9	79.2	78.7	72.8
31 Pembuatan perabot Manufacture of furniture		82.1	80.3	81.3	82.2	79.9	80.2	79.7	80.2
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		83.2	80.3	83.6	83.9	83.8	82.7	81.3	81.9
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products		88.6	82.8	87.8	88.4	85.8	85.9	81.8	83.9
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products		78.2	77.4	79.4	79.5	84.0	81.0	82.2	82.0
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products		69.3	71.2	72.5	76.5	74.8	72.9	76.0	74.6
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products		79.5	79.3	80.9	80.7	79.6	78.5	79.3	78.3
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		74.9	73.3	74.4	75.7	75.9	75.4	76.3	75.6
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products		73.5	71.6	71.3	73.1	72.7	72.4	73.8	72.1
24 Pembuatan logam asas Manufacture of basic metals		78.3	75.0	79.0	79.0	77.4	76.6	77.6	76.8
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment		73.3	73.3	73.3	75.3	77.1	76.7	77.2	77.3
6. Produk elektrik dan elektronik Electrical and electronic products		79.4	78.9	82.0	81.0	79.5	79.1	80.1	76.8
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products		79.5	79.0	82.8	81.5	79.2	79.0	80.6	76.6
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment		79.7	80.4	82.5	81.2	81.3	82.0	79.5	79.8
28 Pembuatan jentera dan peralatan t.t.l. Manufacture of machinery and equipment n.e.c.		77.9	76.2	74.4	75.5	79.2	76.4	75.6	74.4
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		73.3	72.7	72.3	74.5	77.1	78.0	74.4	77.3
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers		70.1	70.8	69.0	72.4	77.9	80.6	74.7	78.3
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment		79.8	74.1	77.8	79.1	75.2	73.0	73.1	77.9
32 Pembuatan lain Other manufacturing		77.6	76.2	77.5	75.0	74.3	73.7	73.0	74.6
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment		76.2	78.3	78.1	79.0	78.9	75.4	76.6	72.3
Malaysia		79.1	77.7	80.1	80.0	79.7	79.4	79.1	78.3

2019				2020				2021			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
71.5	72.9	73.5	75.1	69.3	60.9	69.6	66.8	71.9	63.2	58.5	75.5
74.4	74.9	73.8	71.5	73.1	75.2	74.9	72.3	75.1	76.2	77.1	71.8
67.6	70.1	71.6	76.4	68.0	54.5	67.5	71.2	66.9	62.7	64.1	75.5
78.1	77.4	77.2	74.8	66.8	47.9	70.4	53.6	80.3	55.1	32.1	77.9
76.8	77.5	78.1	78.7	73.6	57.7	70.4	72.0	77.9	75.6	69.2	75.4
69.3	68.6	69.1	69.4	71.7	54.1	68.3	68.7	78.4	75.7	68.2	72.4
85.3	87.0	87.6	88.3	75.8	60.8	72.1	74.8	78.5	76.4	70.8	79.2
75.9	79.2	79.8	82.1	72.4	61.5	72.8	75.7	73.2	71.4	66.9	73.4
76.9	77.1	76.8	77.1	72.0	62.0	72.6	73.1	73.2	70.3	66.8	73.4
74.8	74.4	73.3	73.0	67.3	62.4	70.3	70.1	69.0	68.3	66.6	71.7
78.2	79.1	78.7	80.2	74.4	68.4	75.7	77.1	77.6	75.3	70.4	73.3
75.5	78.6	78.2	75.9	73.8	62.9	72.6	70.1	74.4	69.4	65.1	74.5
80.1	78.3	79.6	81.6	75.9	51.2	72.8	75.5	74.0	67.6	63.7	75.7
76.7	80.2	81.4	82.0	71.5	62.7	73.3	74.5	79.6	77.6	70.4	72.4
74.4	79.8	83.5	83.7	65.7	50.9	67.0	68.3	78.7	77.3	64.2	63.2
79.8	82.2	80.6	81.8	76.1	71.6	77.9	79.5	81.8	78.8	78.2	81.9
72.9	75.0	74.5	70.6	73.0	70.5	76.0	75.1	72.9	71.2	74.4	71.2
77.6	78.6	78.5	79.4	77.6	75.0	79.9	80.8	78.8	77.0	72.3	78.8
74.0	74.5	75.1	75.0	68.9	59.0	71.8	72.4	73.3	67.2	64.9	72.3
71.8	71.6	72.0	72.9	64.4	53.3	69.1	69.7	71.4	65.8	63.6	70.9
73.3	75.6	77.5	76.5	69.0	60.3	70.5	72.2	72.2	65.4	64.6	72.8
76.2	75.8	75.5	75.5	72.2	61.9	74.7	74.5	75.5	69.7	66.2	72.9
75.9	77.0	78.7	77.8	71.8	62.0	73.9	75.3	76.3	77.1	74.5	79.1
75.3	76.8	79.0	77.5	71.7	61.4	73.7	75.1	76.1	77.7	75.1	78.7
80.9	79.6	79.8	80.7	73.2	63.4	76.0	74.5	76.6	76.7	73.5	81.7
74.6	75.6	75.0	76.6	70.7	65.1	73.0	78.9	77.5	71.4	69.6	78.7
78.8	77.5	77.9	78.4	71.0	52.7	71.9	73.5	76.4	67.8	60.2	76.0
80.1	77.6	78.5	79.4	68.8	46.5	71.4	72.9	77.8	64.9	55.2	77.9
79.8	79.6	78.5	76.0	76.0	60.2	68.8	73.4	72.8	73.1	69.4	72.4
75.1	77.4	76.0	76.6	72.0	65.9	77.0	75.6	75.0	71.8	68.1	72.8
71.5	72.4	74.6	78.7	73.7	66.0	75.6	75.3	76.0	71.5	66.4	74.8
76.1	77.7	78.8	78.7	71.2	60.8	73.0	74.1	76.7	74.3	69.6	75.1

1b Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Sub-sector - Quarterly

Keterangan Subsektor Sub-sector Description		2022				2023			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1. Makanan, minuman dan tembakau Food, beverages and tobacco		85.3	82.2	77.9	79.5	81.9	76.5	80.1	80.4
10 Pembuatan produk makanan Manufacture of food products		74.2	74.4	78.9	78.0	77.6	75.3	79.8	79.7
11 Pembuatan minuman Manufacture of beverages		83.2	80.5	81.8	80.7	77.9	80.3	80.2	81.7
12 Pembuatan produk tembakau Manufacture of tobacco products		98.2	91.7	68.8	77.8	93.6	89.5	84.4	89.8
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear		80.9	81.4	82.4	79.3	78.0	80.0	79.7	80.4
13 Pembuatan tekstil Manufacture of textiles		86.6	83.0	87.7	84.6	74.9	77.4	76.8	76.9
14 Pembuatan pakaian Manufacture of wearing apparel		73.3	78.4	74.2	70.6	78.5	81.7	82.2	83.3
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products		87.7	86.9	92.4	92.8	86.1	84.0	80.1	81.9
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing		78.3	78.6	78.9	76.7	75.2	76.3	77.1	80.0
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		72.6	73.5	73.5	70.8	68.4	69.3	71.8	72.5
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products		82.7	79.3	78.4	76.6	77.3	76.6	77.7	78.7
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media		78.0	82.8	84.5	82.8	81.5	83.3	83.4	84.9
31 Pembuatan perabot Manufacture of furniture		83.1	83.9	85.1	83.0	80.3	79.3	78.1	87.3
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic		82.6	77.7	80.7	82.1	80.8	77.1	77.8	77.9
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products		84.4	74.7	81.6	85.7	82.2	73.4	74.2	76.1
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products		81.0	80.1	79.9	79.5	80.0	81.3	82.2	79.8
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products		76.7	79.8	86.4	77.0	82.8	81.0	83.3	83.0
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products		81.1	80.5	79.4	78.5	78.9	78.3	78.7	78.4
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products		79.4	78.8	79.9	78.7	78.9	79.4	81.6	83.2
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products		78.9	80.6	81.8	79.1	77.4	80.4	83.4	85.7
24 Pembuatan logam asas Manufacture of basic metals		78.2	76.4	78.6	75.7	78.4	77.6	79.1	80.3
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment		80.7	79.3	79.5	80.9	80.6	79.7	81.7	83.1
6. Produk elektrik dan elektronik Electrical and electronic products		80.7	79.6	82.2	79.7	78.9	79.4	79.9	79.2
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products		80.4	79.1	81.7	79.2	78.4	78.9	79.0	78.2
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment		82.2	80.8	85.2	82.9	81.0	77.9	81.5	81.0
28 Pembuatan jentera dan peralatan t.t.l. Manufacture of machinery and equipment n.e.c.		81.7	82.3	83.1	79.8	79.9	84.4	84.4	84.3
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures		81.0	80.6	84.2	80.5	84.0	80.7	81.4	82.2
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers		82.6	81.6	86.3	81.3	86.1	82.0	81.6	81.5
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment		78.1	82.0	82.3	82.8	80.0	78.8	79.8	82.9
32 Pembuatan lain Other manufacturing		75.9	75.9	77.9	77.8	80.6	79.3	81.5	82.5
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment		82.3	76.1	80.2	75.7	82.8	79.0	82.4	84.2
Malaysia		81.1	79.0	81.3	80.2	79.8	78.2	79.4	79.8

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector - Monthly

Keterangan Subsektor Sub-sector Description	2017								
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
1 Makanan, minuman dan tembakau Food, beverages and tobacco	70.6	69.6	70.6	72.2	75.8	71.9	77.1	72.9	73.6
10 Pembuatan produk makanan Manufacture of food products	73.3	73.5	74.7	79.2	78.5	76.2	76.3	76.8	76.9
11 Pembuatan minuman Manufacture of beverages	69.6	61.4	62.7	64.1	74.8	68.6	76.0	72.5	69.2
12 Pembuatan produk tembakau Manufacture of tobacco products	70.9	84.5	84.6	84.3	75.7	75.6	80.1	71.0	80.5
2 Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	78.1	77.1	81.1	76.5	75.1	69.9	75.0	80.2	81.8
13 Pembuatan tekstil Manufacture of textiles	70.9	73.7	77.1	68.1	66.1	62.8	65.3	75.3	79.4
14 Pembuatan pakaian Manufacture of wearing apparel	84.7	79.7	84.7	84.6	83.7	75.4	85.0	85.5	85.4
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	83.9	82.3	84.8	82.7	80.9	80.4	79.8	81.4	77.7
3 Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	77.3	76.3	77.7	78.2	78.1	75.0	77.8	78.2	76.6
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	76.0	74.0	75.4	75.2	75.5	71.0	74.9	75.0	73.7
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	77.6	77.1	78.3	79.1	80.3	74.9	80.1	77.0	77.2
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	74.6	74.5	74.5	82.5	75.8	78.8	78.5	82.6	76.3
31 Pembuatan perabot Manufacture of furniture	81.7	80.9	83.6	79.2	82.0	79.5	79.8	82.3	81.6
4 Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	84.3	83.2	82.2	76.7	79.1	85.1	84.9	83.7	82.4
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	90.0	89.4	86.2	76.1	81.8	90.7	90.8	88.3	84.4
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	79.4	77.2	77.9	75.7	75.5	81.1	78.9	78.5	80.9
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	72.9	64.3	70.6	74.2	69.0	70.4	72.0	73.4	72.2
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	79.0	79.2	80.3	79.6	78.9	79.5	80.8	81.4	80.6
5 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	75.5	73.7	75.5	73.8	74.4	71.8	75.2	75.4	72.7
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	76.3	72.8	71.5	72.6	70.6	71.6	71.4	71.7	70.7
24 Pembuatan logam asas Manufacture of basic metals	78.9	74.4	81.7	75.8	77.7	71.6	80.1	81.7	75.2
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	72.2	73.9	73.7	73.2	74.7	72.0	74.3	73.4	72.4
6 Produk elektrik dan elektronik Electrical and electronic products	78.7	78.8	80.7	78.4	79.9	78.4	80.3	82.4	83.5
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	78.5	79.0	81.0	78.2	80.1	78.9	80.5	83.1	84.9
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	80.2	79.4	79.6	80.6	81.2	79.3	83.2	82.8	81.4
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	78.3	76.2	79.3	78.2	77.2	73.1	74.4	75.1	73.8
7 Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	75.2	72.2	72.4	70.7	73.8	73.6	74.0	71.6	71.3
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	71.3	68.3	70.8	66.8	72.2	73.4	72.2	67.7	67.0
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	84.6	81.9	73.0	76.9	75.3	70.2	77.3	76.9	79.1
32 Pembuatan lain Other manufacturing	80.9	74.2	77.7	76.0	75.5	77.0	76.2	78.5	77.8
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	75.4	76.7	76.6	77.4	79.7	77.6	78.3	78.7	77.3
Malaysia	79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3	79.8

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector - Monthly

Keterangan Subsektor Sub-sector Description	2017		2018						
	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
1 Makanan, minuman dan tembakau Food, beverages and tobacco	62.6	64.0	64.9	66.7	61.8	68.9	74.1	72.9	68.3
10 Pembuatan produk makanan Manufacture of food products	79.1	75.4	76.2	77.2	71.6	79.3	79.4	74.8	72.3
11 Pembuatan minuman Manufacture of beverages	60.9	65.1	62.2	68.0	56.0	67.8	76.1	75.2	67.7
12 Pembuatan produk tembakau Manufacture of tobacco products	53.6	53.0	62.1	56.1	67.2	63.8	65.6	66.4	66.7
2 Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	80.4	77.4	80.6	78.0	73.3	75.5	78.6	78.7	86.9
13 Pembuatan tekstil Manufacture of textiles	74.9	68.5	73.9	69.0	61.5	62.2	69.5	69.5	87.9
14 Pembuatan pakaian Manufacture of wearing apparel	86.7	87.0	88.4	87.6	85.6	88.9	88.0	88.3	86.0
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	79.5	78.8	79.5	80.5	78.4	83.0	83.2	82.7	85.7
3 Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	78.6	78.2	77.6	78.3	74.6	79.3	78.2	79.0	77.2
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	77.4	75.7	76.9	76.1	70.2	77.1	75.6	75.4	73.2
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	79.0	79.5	78.0	83.1	79.2	81.2	81.9	81.4	78.9
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	77.0	75.4	73.7	72.6	72.5	79.6	76.5	81.1	79.9
31 Pembuatan perabot Manufacture of furniture	81.8	83.2	81.6	80.5	78.6	80.6	79.5	80.7	80.4
4 Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	84.0	84.0	83.7	85.3	82.9	83.2	82.8	83.0	82.2
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	87.2	89.5	88.5	88.6	84.1	84.8	86.2	85.2	86.4
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	81.5	77.9	79.1	84.2	84.4	83.4	80.2	83.3	79.4
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	76.0	79.9	73.7	75.6	73.8	75.0	72.2	71.8	74.6
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	81.1	80.7	80.2	80.3	78.5	79.9	79.4	78.7	77.3
5 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	75.2	76.1	75.9	77.1	73.1	77.4	76.9	75.7	73.6
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	72.6	74.2	72.5	74.2	69.6	74.5	73.8	72.7	70.7
24 Pembuatan logam asas Manufacture of basic metals	78.9	79.6	78.5	78.7	73.7	79.9	78.8	77.7	73.4
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	74.5	74.8	76.6	78.0	75.4	77.8	77.7	76.6	75.9
6 Produk elektrik dan elektronik Electrical and electronic products	81.5	81.3	80.1	78.2	76.9	83.2	79.4	79.9	78.0
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	82.2	81.9	80.5	77.7	76.4	83.5	78.9	79.9	78.2
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	82.1	81.2	80.4	81.7	80.2	82.0	83.3	82.2	80.5
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	74.8	76.2	75.4	77.8	77.3	82.5	79.0	76.7	73.5
7 Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	69.3	77.1	77.2	79.5	75.3	76.5	77.4	79.0	77.6
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	64.1	76.3	76.7	79.9	74.3	79.6	80.9	80.6	80.3
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	77.9	80.0	79.5	79.9	77.8	67.8	68.5	77.6	72.8
32 Pembuatan lain Other manufacturing	75.7	74.0	75.4	77.0	73.4	72.4	74.7	74.5	71.8
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	79.5	80.0	77.5	79.6	78.8	78.3	75.5	75.1	75.7
Malaysia	79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6

2019														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
76.6	75.9	69.7	73.6	70.4	73.9	74.7	69.3	70.6	77.1	72.7	68.8	71.2	74.9	74.3
74.9	75.1	76.4	80.4	78.8	78.0	72.0	76.4	74.9	75.4	77.3	72.1	74.1	73.4	73.9
81.7	80.7	68.6	74.8	69.7	76.0	74.3	63.4	65.2	71.6	72.7	66.1	68.8	72.6	73.5
66.8	66.0	67.0	66.0	65.5	66.4	77.6	77.3	79.2	90.0	69.8	72.5	74.4	80.9	76.4
79.2	78.6	75.7	79.2	75.7	77.6	77.4	74.9	78.1	78.1	77.8	76.7	78.7	78.2	77.3
69.1	69.9	66.0	70.9	65.7	68.3	69.8	68.4	69.9	69.9	67.9	68.1	69.2	69.2	69.0
89.1	87.4	85.8	88.3	86.2	87.9	86.5	82.1	87.1	86.7	88.3	86.0	89.1	87.6	86.1
86.4	84.0	80.0	80.0	79.5	78.5	74.5	75.0	78.1	79.8	80.0	77.9	79.8	80.3	79.1
79.4	79.0	77.5	78.2	76.9	78.0	77.9	74.6	78.1	78.6	77.7	75.1	76.8	77.3	76.2
76.3	76.1	76.0	76.1	76.1	76.5	76.5	71.6	76.4	76.7	74.6	72.0	72.9	74.4	72.5
81.6	81.6	80.5	81.6	79.8	80.8	78.9	75.8	79.9	80.4	81.5	75.4	79.2	78.1	78.8
81.3	80.2	74.6	74.8	69.7	74.0	75.1	75.4	76.0	80.0	77.8	78.2	77.6	80.5	76.6
80.5	79.7	78.8	80.1	80.3	80.3	81.5	78.0	80.7	78.3	78.3	78.3	80.2	79.2	79.4
83.7	80.1	79.9	78.7	83.3	83.8	76.5	78.6	75.0	76.5	80.9	83.1	81.6	80.5	82.1
85.8	79.6	80.0	76.4	87.0	88.2	73.8	77.4	71.9	72.8	80.0	86.5	83.4	82.4	84.8
83.4	81.7	81.6	82.2	82.2	81.6	79.3	82.0	77.9	80.7	83.8	82.0	81.1	79.0	81.7
79.5	75.9	72.6	75.4	73.1	75.4	75.8	71.7	71.4	76.1	75.4	73.6	76.1	75.7	71.9
80.2	79.5	78.1	79.2	77.7	78.0	78.3	76.5	77.9	78.6	79.3	77.8	79.0	78.7	77.7
77.0	76.3	75.7	76.8	74.7	75.3	75.4	71.4	75.1	76.4	75.2	71.8	75.7	75.4	74.1
74.4	73.8	73.2	72.9	72.3	71.0	72.6	69.1	73.5	73.9	72.2	68.8	73.4	72.6	70.0
79.6	77.2	76.1	79.3	73.7	77.6	74.6	70.1	75.1	77.4	77.9	71.5	77.2	78.3	76.9
77.0	77.5	77.2	78.0	77.3	76.8	78.2	74.2	76.2	77.6	75.4	74.5	76.1	75.2	75.1
80.5	80.1	79.6	78.8	75.7	75.8	76.8	74.3	76.5	77.0	77.1	76.9	79.9	78.7	77.4
81.0	80.8	80.1	78.8	75.5	75.5	76.5	73.6	75.8	76.4	76.8	77.1	80.4	79.2	77.3
79.9	79.3	79.3	81.0	79.2	79.1	81.2	80.1	81.4	81.1	80.9	76.8	79.9	79.5	80.1
76.6	74.8	75.5	75.7	73.1	74.3	74.0	73.2	76.7	76.7	75.6	74.7	76.1	74.0	75.1
78.9	74.7	69.6	76.5	79.0	76.4	76.8	80.4	79.1	77.9	78.1	76.5	78.9	76.6	78.3
82.6	73.9	67.7	78.0	80.7	76.1	76.2	83.8	80.5	77.8	77.8	77.2	79.4	76.8	79.4
71.3	76.0	72.1	73.8	79.3	80.4	80.9	78.1	80.4	80.8	81.0	76.9	81.1	77.9	76.7
71.9	75.6	71.6	73.9	76.3	73.4	79.5	71.1	74.8	78.0	78.9	75.3	75.7	75.4	77.0
77.5	76.4	76.0	74.5	68.9	73.5	69.8	73.0	71.7	72.5	72.6	72.0	74.8	73.7	75.2
80.7	78.9	77.8	78.1	78.3	78.5	76.6	75.8	76.1	77.0	78.2	77.9	79.4	78.4	78.4

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector - Monthly

Keterangan Subsektor Sub-sector Description	2019		2020						
	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
1 Makanan, minuman dan tembakau Food, beverages and tobacco	75.5	75.2	74.7	72.3	73.2	62.4	54.0	61.5	67.2
10 Pembuatan produk makanan Manufacture of food products	71.4	71.4	71.7	72.6	72.9	73.7	71.3	76.0	78.3
11 Pembuatan minuman Manufacture of beverages	75.9	76.2	77.1	71.4	73.6	58.9	49.8	50.9	62.9
12 Pembuatan produk tembakau Manufacture of tobacco products	77.4	75.6	71.5	73.9	72.5	54.0	1.6	73.6	68.6
2 Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	78.3	78.5	79.4	77.3	77.0	66.4	45.1	58.8	69.1
13 Pembuatan tekstil Manufacture of textiles	69.9	69.9	68.2	76.0	74.4	64.8	39.0	56.1	67.3
14 Pembuatan pakaian Manufacture of wearing apparel	86.6	87.5	90.8	78.4	79.9	69.1	52.4	59.7	70.3
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	82.1	80.6	83.4	79.0	76.5	61.6	44.0	67.8	72.7
3 Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	77.1	77.4	76.7	75.2	75.7	65.0	50.9	63.1	72.0
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	74.5	72.8	71.7	70.9	71.5	59.6	55.0	61.6	70.6
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	79.7	81.2	79.7	78.5	78.6	66.1	61.8	68.1	75.2
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	74.1	77.0	76.6	73.6	76.4	71.4	47.3	64.9	76.4
31 Pembuatan perabot Manufacture of furniture	81.2	81.3	82.3	80.1	79.1	68.6	29.7	57.4	66.6
4 Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	80.8	83.2	81.9	73.7	74.6	66.3	50.1	65.7	72.2
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	81.6	85.6	83.8	67.5	69.2	60.3	32.0	54.2	66.6
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	81.4	82.6	81.4	78.1	79.3	70.8	62.8	76.5	75.6
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	72.3	72.1	67.5	76.2	73.5	69.2	69.4	68.6	73.6
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	78.9	79.6	79.6	80.6	79.5	72.7	70.8	75.0	79.2
5 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	75.5	74.9	74.7	74.1	72.5	60.1	47.0	62.1	68.0
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	73.1	72.5	73.0	71.4	66.8	55.1	40.2	57.4	62.5
24 Pembuatan logam asas Manufacture of basic metals	78.5	76.3	74.7	74.9	72.5	59.5	49.3	62.7	68.8
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	75.0	75.6	75.9	75.6	76.7	64.2	49.2	65.0	71.3
6 Produk elektrik dan elektronik Electrical and electronic products	78.4	77.1	77.9	75.5	76.1	63.8	48.4	65.9	71.6
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	78.2	76.6	77.8	75.0	76.1	64.2	47.9	65.1	71.3
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	81.5	80.8	79.8	78.9	77.3	63.3	49.1	69.4	71.8
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	76.7	77.0	76.3	76.2	74.5	61.4	52.6	68.9	73.7
7 Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	79.5	80.0	75.7	74.3	72.9	65.7	34.2	55.0	69.0
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	82.2	80.7	75.3	71.4	70.3	64.8	24.7	49.1	65.6
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	75.1	76.6	76.3	80.1	79.0	68.8	47.1	61.4	72.1
32 Pembuatan lain Other manufacturing	75.2	78.8	75.7	77.8	75.2	62.9	56.5	67.3	73.9
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	75.1	83.8	77.4	77.8	74.5	68.9	51.3	66.7	79.8
Malaysia	78.8	79.1	78.4	74.6	74.7	64.4	47.7	63.9	70.9

2021														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
69.7	69.9	69.4	67.5	65.8	67.2	72.6	68.7	74.3	72.2	68.4	49.1	49.3	50.7	75.5
75.0	75.0	74.7	73.5	71.7	71.6	73.7	72.0	79.7	78.3	73.7	76.7	77.9	76.3	77.2
65.0	66.6	71.0	72.0	70.2	71.2	69.6	61.9	69.1	68.4	61.6	58.0	57.3	61.1	74.0
76.0	73.2	62.1	53.4	52.1	55.4	78.4	81.1	81.4	76.3	79.3	9.7	8.8	9.9	77.6
69.2	70.6	71.3	71.5	71.6	72.9	77.3	78.7	77.8	79.6	77.3	69.9	69.4	67.3	71.0
68.4	68.2	68.3	68.3	68.8	69.0	75.3	81.9	77.9	80.5	76.6	70.0	70.3	64.9	69.6
68.9	72.9	74.4	75.0	73.4	76.0	80.4	76.7	78.4	79.5	78.9	70.7	69.2	71.4	71.9
73.9	71.9	72.7	71.8	77.2	78.0	73.1	72.1	74.4	75.3	73.3	65.5	65.2	61.7	73.6
72.3	72.1	73.5	73.1	72.9	73.2	73.4	72.0	74.1	72.9	71.5	66.5	64.7	66.2	69.5
70.0	70.1	70.9	69.6	70.5	70.4	68.5	68.5	69.9	69.6	70.7	64.7	63.8	67.3	68.6
75.9	74.5	76.6	77.2	77.0	77.0	79.7	75.1	78.1	76.8	75.5	73.7	70.8	68.4	71.9
75.3	71.1	71.3	70.8	69.5	70.0	72.5	73.6	77.1	73.8	68.9	65.6	62.4	65.9	67.2
69.2	73.3	75.9	76.0	74.8	75.8	74.7	73.2	74.2	72.9	69.8	59.9	59.5	61.5	70.0
72.5	72.5	74.9	77.2	72.1	74.3	79.9	79.8	79.0	78.3	79.6	75.0	74.2	69.4	67.6
65.3	66.6	69.2	73.4	62.6	69.0	78.8	79.2	78.0	78.0	79.1	74.7	74.3	64.5	53.8
77.9	76.2	79.8	80.8	80.3	77.4	82.9	82.5	80.0	78.2	82.2	76.1	76.6	75.9	82.3
73.4	77.1	77.6	76.0	72.0	77.5	72.1	74.1	72.4	75.0	69.8	68.9	72.3	74.3	76.7
80.1	79.4	80.1	80.6	80.6	81.2	78.7	77.6	80.2	79.2	77.4	74.4	70.7	70.6	75.6
72.0	70.0	73.4	72.1	71.4	73.7	73.5	71.0	75.2	74.7	69.3	57.6	60.1	64.2	70.5
68.7	69.5	69.1	69.8	68.7	70.7	70.0	70.2	73.9	74.0	68.7	54.8	58.8	63.5	68.5
71.9	67.3	72.4	71.5	70.3	74.7	73.7	68.9	73.9	73.7	67.9	54.6	57.2	62.6	74.1
74.5	72.5	77.3	74.2	74.1	75.1	76.1	73.3	77.2	76.0	71.0	62.1	63.4	66.0	69.3
73.0	73.6	75.1	75.4	74.6	76.0	75.2	75.6	78.0	77.4	76.6	77.3	71.4	72.9	79.1
72.7	73.4	75.1	75.1	74.3	75.9	75.1	75.5	77.7	77.2	76.7	79.3	73.3	72.7	79.4
75.5	75.5	76.8	75.1	74.2	74.2	75.4	75.5	79.0	79.0	78.1	73.0	68.3	73.6	78.6
73.3	72.5	73.1	78.9	77.9	79.8	76.7	76.2	79.5	76.8	73.8	63.6	57.7	74.0	77.0
69.7	72.2	73.8	74.2	72.7	73.5	76.8	73.3	79.2	76.5	76.8	50.0	47.0	60.4	73.2
69.3	71.9	73.0	72.8	72.1	73.7	77.5	74.4	81.6	77.2	78.9	38.6	37.0	54.7	73.8
66.8	66.9	72.8	77.6	72.0	70.6	73.6	68.4	76.6	76.5	74.5	68.4	62.1	71.8	74.4
74.7	78.2	78.2	75.2	75.0	76.5	76.1	73.9	75.1	74.6	72.1	68.8	68.3	67.4	68.6
72.0	78.2	76.4	74.9	75.9	75.3	80.2	75.6	72.3	74.0	72.7	67.7	59.7	67.4	72.1
72.2	72.4	74.4	75.1	72.8	74.5	76.5	75.8	77.7	76.9	76.1	70.0	67.6	68.5	72.7

1c Kapasiti Penggunaan Industri Pembuatan mengikut Subsektor - Bulanan

Manufacturing Industry Capacity Utilisation by Sub-sector - Monthly

Keterangan Subsektor Sub-sector Description	2021			2022					
	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
1 Makanan, minuman dan tembakau Food, beverages and tobacco	75.8	77.7	72.8	88.3	83.3	84.3	77.9	84.9	83.8
10 Pembuatan produk makanan Manufacture of food products	73.5	70.8	71.0	76.9	69.9	75.8	67.2	77.5	78.6
11 Pembuatan minuman Manufacture of beverages	74.3	78.3	73.8	87.9	80.5	81.1	81.1	80.8	79.5
12 Pembuatan produk tembakau Manufacture of tobacco products	80.8	81.0	72.0	97.9	99.1	97.7	79.1	99.3	96.8
2 Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	74.4	75.7	76.0	81.7	78.6	82.4	82.0	81.0	81.2
13 Pembuatan tekstil Manufacture of textiles	71.9	72.5	72.8	88.1	84.8	86.8	84.5	80.7	83.8
14 Pembuatan pakaian Manufacture of wearing apparel	77.3	79.7	80.5	73.1	70.8	76.0	78.5	80.8	75.8
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	73.9	74.1	72.1	90.0	83.9	89.2	85.0	82.9	92.7
3 Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	73.3	73.7	73.1	78.0	76.2	80.6	79.0	76.7	80.1
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	73.6	72.6	69.0	71.8	70.7	75.3	73.8	72.2	74.4
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	70.7	73.7	75.5	83.6	80.0	84.5	80.3	76.8	80.9
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	75.1	74.1	74.4	75.9	77.3	80.9	81.8	80.7	85.9
31 Pembuatan perabot Manufacture of furniture	74.8	75.7	76.7	83.9	80.4	85.2	84.7	81.9	85.0
4 Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	69.6	73.6	74.0	83.4	84.0	80.3	83.9	75.9	73.4
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	57.3	64.6	67.7	85.7	90.8	76.8	86.4	71.6	66.2
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	81.6	83.4	80.8	81.1	77.7	84.3	82.1	79.7	78.5
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	69.8	72.4	71.3	78.6	71.1	80.4	78.5	76.3	84.6
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	78.8	79.1	78.4	82.0	79.2	82.1	81.4	79.5	80.8
5 Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	72.8	72.1	72.0	81.3	76.4	80.4	80.4	76.4	79.5
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	70.8	70.0	71.9	82.3	76.6	77.7	81.2	79.1	81.4
24 Pembuatan logam asas Manufacture of basic metals	74.8	73.3	70.2	80.2	74.1	80.2	77.8	74.2	77.2
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	72.6	72.6	73.5	81.4	78.1	82.6	81.8	76.1	79.9
6 Produk elektrik dan elektronik Electrical and electronic products	78.9	78.4	79.9	80.6	78.5	83.1	78.3	77.7	82.8
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	78.6	77.5	80.1	79.9	78.5	82.8	77.1	77.4	82.8
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	81.3	83.2	80.5	83.3	78.1	85.2	81.5	78.1	82.7
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	78.8	80.3	77.0	82.7	79.0	83.4	84.5	79.4	83.1
7 Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	79.0	74.9	74.2	77.9	81.5	83.6	77.3	82.1	82.5
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	82.8	75.6	75.3	77.7	85.2	85.0	80.3	82.2	82.5
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	71.7	74.2	71.3	77.0	75.0	82.3	79.7	82.0	84.3
32 Pembuatan lain Other manufacturing	72.4	73.4	72.7	78.9	72.6	76.2	70.1	79.1	78.4
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	76.2	73.2	74.9	81.6	80.9	84.4	59.4	84.6	84.3
Malaysia	74.5	75.2	75.7	81.3	80.2	81.7	80.4	77.4	79.1

2023																	
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
79.8	74.8	79.1	79.0	73.0	86.4	82.3	80.9	82.5	74.3	78.5	76.8	78.5	79.6	82.2	81.1	80.6	79.6
79.0	80.0	77.7	78.7	78.5	76.9	77.6	76.9	78.2	72.6	77.0	76.2	78.2	79.4	81.8	80.5	79.8	78.6
82.6	82.4	80.4	79.9	78.8	83.5	79.0	77.3	77.3	78.3	82.5	80.0	80.1	80.2	80.5	80.6	82.1	82.5
74.3	54.6	77.6	77.5	56.5	99.6	92.7	91.5	96.8	92.9	93.4	82.3	82.0	81.7	89.4	89.7	90.1	89.7
82.7	80.8	83.7	78.9	78.9	80.2	76.9	75.4	81.8	79.2	79.4	81.4	79.0	79.7	80.3	80.7	81.0	79.3
85.8	86.1	91.4	85.4	84.7	83.6	69.9	75.7	79.0	75.9	76.0	80.2	76.6	77.0	76.9	77.1	77.3	76.2
77.5	72.0	73.2	68.8	69.5	73.6	78.6	73.7	83.1	81.6	81.4	82.2	81.1	82.4	83.1	84.0	84.4	81.5
90.7	94.3	92.3	92.1	92.9	93.3	91.0	83.1	84.2	83.0	85.3	83.6	79.1	79.2	81.9	80.7	81.1	83.7
78.4	79.7	78.6	78.1	76.1	75.8	73.9	75.3	76.5	76.0	76.7	76.1	76.0	77.5	77.9	79.4	80.1	80.4
71.8	75.2	73.4	72.6	70.0	69.7	67.9	68.3	68.9	68.5	70.5	68.9	69.9	72.8	72.8	72.4	72.5	72.5
79.5	78.1	77.6	77.9	75.4	76.5	74.6	77.3	79.9	76.5	75.6	77.6	77.0	77.4	78.6	78.5	79.4	78.2
83.3	85.2	85.0	82.2	83.5	82.6	81.3	82.6	80.6	82.8	83.8	83.2	82.9	83.4	83.9	83.5	84.5	86.6
85.1	85.8	84.5	85.7	82.8	80.6	78.4	79.7	82.7	79.8	80.2	78.0	77.2	78.5	78.6	86.1	87.5	88.2
80.0	80.9	81.1	82.6	82.6	81.3	82.3	79.6	80.7	75.7	77.5	78.0	77.8	78.4	77.2	78.6	77.5	77.4
79.8	80.1	85.0	84.7	86.4	85.9	85.9	79.4	81.4	72.8	73.5	74.0	74.4	74.6	73.5	77.1	75.9	75.2
80.8	82.5	76.4	81.2	80.0	77.4	79.7	80.4	79.9	79.4	82.1	82.4	82.3	83.1	81.1	80.8	79.2	79.5
86.7	88.2	84.2	82.2	79.2	69.5	79.6	85.8	83.1	80.7	80.6	81.6	81.2	83.5	85.1	82.6	82.5	84.1
79.0	80.0	79.4	80.0	78.1	77.4	78.4	78.3	80.0	76.0	79.2	79.7	78.4	79.1	78.7	78.4	78.2	78.7
80.8	79.9	78.9	79.3	79.1	77.8	76.1	79.2	81.5	78.6	79.2	80.3	80.1	81.9	82.6	82.9	83.5	83.2
82.7	82.0	80.7	80.0	78.7	78.7	73.3	78.4	80.4	80.3	79.3	81.7	81.4	83.8	84.8	85.1	85.9	86.1
79.9	79.1	76.7	75.8	77.2	74.0	73.9	78.7	82.5	78.0	77.1	77.5	77.3	79.6	80.5	80.1	81.3	79.5
80.2	78.9	79.4	81.5	81.0	80.2	80.0	80.2	81.6	77.5	80.5	81.1	80.9	81.9	82.3	82.9	83.0	83.3
82.2	81.4	83.1	78.1	79.0	81.9	78.0	78.5	80.0	77.5	79.8	81.0	78.6	79.7	81.4	80.5	80.4	76.8
81.4	80.3	83.3	77.7	78.5	81.5	77.9	78.2	79.3	77.0	79.0	80.8	77.9	78.3	80.7	79.7	79.5	75.5
85.8	86.2	83.5	81.4	81.7	85.6	79.3	81.1	82.4	74.9	78.8	80.1	79.2	82.5	82.9	82.6	82.4	77.9
84.5	84.6	80.4	77.6	80.4	81.4	77.6	78.6	83.5	83.9	85.8	83.6	82.7	86.1	84.4	83.4	84.9	84.4
81.3	86.2	85.1	81.7	84.1	75.7	82.3	83.6	86.1	76.6	83.9	81.5	80.8	81.7	81.6	82.1	82.7	81.8
81.2	87.4	90.4	83.7	87.7	72.6	83.4	85.9	89.0	74.8	88.3	82.9	81.2	82.7	81.0	81.3	81.6	81.5
84.9	88.9	73.2	79.8	77.0	91.6	79.6	79.9	80.3	80.2	76.6	79.6	77.8	79.4	82.2	82.1	83.4	83.1
77.7	78.4	77.6	76.9	77.2	79.4	80.2	78.8	82.7	77.2	81.5	79.1	81.2	81.1	82.3	82.7	83.0	81.8
78.3	81.4	81.0	76.1	82.6	68.3	82.5	81.9	83.9	78.1	78.0	80.8	82.9	81.7	82.7	85.1	85.8	81.5
80.9	81.2	81.7	80.1	80.4	80.2	79.3	79.2	80.8	76.5	79.0	79.2	78.6	79.6	80.1	80.4	80.1	78.9

2a Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Tahunan

Manufacturing Industry Capacity Utilisation by Group -Yearly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017	2018	2019	2020	2021	2022	2023
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	68.8	68.1	73.0	85.3	80.2	80.9	81.2
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	70.2	73.4	72.2	70.8	70.4	74.9	75.2
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	59.4	64.0	65.4	64.3	64.2	78.9	78.0
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	76.0	78.7	71.3	71.1	74.9	67.4	67.3
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	77.1	75.8	66.1	73.0	69.0	76.6	75.7
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	66.2	60.5	67.8	60.0	59.6	70.0	70.3
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	78.8	78.5	78.9	79.0	80.0	83.9	84.3
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	78.0	73.2	72.6	73.2	70.8	79.9	79.9
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	67.3	71.9	71.4	65.3	67.3	81.5	80.8
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	73.0	65.3	76.9	59.7	61.4	84.2	83.7
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	67.8	65.5	65.6	62.5	73.7	86.5	84.0
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	79.8	77.7	78.0	73.8	73.7	82.8	82.4
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	85.1	87.2	87.0	71.5	76.3	74.0	74.5
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	68.6	86.0	81.1	57.9	60.8	72.6	74.5
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	83.6	85.3	78.5	64.1	67.6	89.7	90.1
152	Pembuatan kasut <i>Manufacture of footwear</i>	78.7	77.1	79.9	77.4	75.4	90.2	90.0
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	75.3	73.5	75.3	68.8	68.1	77.3	77.4
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	75.0	76.0	73.4	67.1	69.2	71.0	70.5
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.2	81.0	79.1	73.9	74.2	79.3	78.5
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	77.1	76.7	73.5	66.6	69.4	76.5	77.0
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	86.9	84.4	80.3	63.0	70.8	81.6	81.6
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	79.5	84.1	82.5	76.6	81.6	80.2	80.0
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	79.0	76.2	76.6	65.4	70.9	73.7	72.9
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	72.4	74.6	73.3	73.7	72.4	80.0	80.0
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.3	80.1	80.3	81.9	79.1	79.4	78.9
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	77.7	77.6	76.5	74.4	74.1	80.5	80.4

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017	2018	2019	2020	2021	2022	2023
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	81.4	79.0	74.8	70.1	73.9	85.1	83.1
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	71.1	71.8	71.7	63.2	67.1	79.3	78.8
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	76.7	78.1	75.0	65.1	64.4	76.8	76.5
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	80.6	75.9	76.9	73.0	76.9	77.9	77.0
243	Pengacuan logam <i>Casting of metals</i>	73.0	74.0	75.6	68.4	65.1	76.8	76.8
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.1	77.7	77.2	69.5	76.5	78.0	78.8
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	73.5	77.8	76.5	70.7	70.0	78.2	78.0
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	85.6	84.3	81.6	75.5	81.2	85.0	84.9
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	67.4	68.5	63.4	59.5	63.6	70.4	68.5
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	71.0	77.9	74.4	74.3	78.2	77.6	77.9
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	79.9	73.3	77.6	62.4	75.5	71.3	72.2
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	69.9	69.8	68.7	63.4	67.7	81.4	81.8
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	84.4	54.7	60.6	68.5	68.2	81.7	82.4
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	86.4	77.0	65.6	70.0	68.6	84.3	84.2
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	77.0	77.2	78.9	74.7	77.6	82.9	82.8
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	93.3	85.0	84.1	64.4	82.5	81.0	80.5
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	78.9	76.1	75.9	68.7	72.9	80.2	80.0
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	66.6	68.5	67.2	62.5	67.0	77.1	77.3
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	81.5	87.0	84.5	69.0	75.4	84.4	84.5
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	87.0	87.6	86.3	84.7	88.0	88.5	86.6
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	76.2	76.5	75.6	71.9	74.1	81.9	81.5
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	67.1	77.9	78.2	62.2	62.8	80.1	80.8
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	77.1	75.4	77.4	70.4	64.3	76.9	76.2
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	75.2	78.1	80.0	68.4	77.4	87.6	87.9
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	76.6	70.7	75.0	63.3	68.7	74.9	74.1
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	77.9	76.6	81.1	78.1	72.2	84.5	85.1

2a Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Tahunan

Manufacturing Industry Capacity Utilisation by Group -Yearly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017	2018	2019	2020	2021	2022	2023
310	Pembuatan perabot <i>Manufacture of furniture</i>	81.4	80.0	79.9	68.8	70.2	83.8	83.3
321	Pembuatan barang kemas, bijouterie dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	76.1	75.5	76.6	67.9	68.2	79.7	80.2
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	73.3	68.6	72.0	74.0	75.1	83.2	83.2
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	75.3	74.0	73.5	71.5	74.8	89.8	90.6
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	64.4	69.9	72.9	74.2	57.5	75.5	75.4
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	81.3	76.6	70.4	70.5	70.8	78.9	79.0
Malaysia		79.2	79.1	77.8	69.8	73.9	80.4	80.2

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group - Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017				2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	74.5	63.2	66.8	70.9	72.6	66.5	66.7	66.7
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	67.9	69.4	71.8	71.7	75.0	74.0	72.0	72.6
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	56.9	65.0	59.9	56.0	63.4	63.1	65.7	63.7
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	68.2	79.1	78.0	78.9	76.8	75.6	78.6	83.9
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	74.9	71.6	80.9	81.3	80.8	74.8	74.0	73.5
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	67.1	64.7	66.5	66.4	61.0	61.3	60.5	59.3
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	79.7	81.0	77.1	77.5	78.0	78.7	76.4	81.0
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	73.8	79.4	81.4	77.3	72.7	73.2	74.7	72.4
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	64.6	69.2	72.6	62.7	63.9	73.0	77.0	73.5
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	80.0	78.5	77.2	56.2	62.4	66.3	66.6	66.0
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	71.6	59.4	70.8	69.3	58.1	74.1	64.6	65.1
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	79.7	80.4	79.4	79.8	78.6	79.2	77.1	75.8
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	84.0	82.0	86.2	88.4	87.2	87.3	87.2	87.3
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	60.6	72.3	71.1	70.4	86.5	85.8	85.9	85.9
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	84.9	81.7	83.3	84.4	83.4	88.9	88.1	80.8
152	Pembuatan kasut <i>Manufacture of footwear</i>	82.6	81.0	76.4	74.7	76.8	77.1	77.0	77.4
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planning of wood</i>	74.9	74.4	76.4	75.4	72.3	72.2	75.0	74.6
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	75.2	73.8	73.9	77.1	75.2	75.6	76.5	76.8
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.7	78.1	78.1	78.8	81.2	80.7	81.2	80.7
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	75.8	78.1	78.1	76.2	76.0	78.1	77.9	75.0
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	88.6	82.8	87.8	88.4	85.8	85.9	81.8	83.9
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	78.6	78.3	80.4	80.6	85.4	82.2	84.0	84.6
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	74.3	79.9	80.9	80.8	81.1	78.1	74.0	71.8
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	69.3	71.2	72.5	76.5	74.8	72.9	76.0	74.6
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.4	81.6	82.3	83.1	81.2	79.4	80.0	79.9
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	76.4	76.9	79.4	78.0	77.8	77.5	78.5	76.6

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group - Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2019				2020			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	72.1	71.5	73.2	75.2	86.5	84.3	86.3	84.1
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	72.0	73.1	71.8	72.1	69.3	71.5	71.0	71.3
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	67.7	63.3	63.0	67.7	62.8	60.9	66.0	67.3
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	72.9	73.8	71.6	66.8	71.7	78.7	71.5	62.4
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	63.4	64.6	67.1	69.5	73.5	71.9	73.8	72.9
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	67.7	67.7	68.4	67.2	64.9	57.5	59.6	57.9
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	80.4	80.2	78.7	76.4	75.5	76.4	81.1	83.1
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	68.6	73.2	73.2	75.6	74.1	72.4	73.8	72.5
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	67.6	70.1	71.6	76.4	68.0	54.5	67.5	71.2
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	78.1	77.4	77.2	74.8	66.8	47.9	70.4	53.6
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	65.7	64.9	65.6	66.0	69.9	48.3	65.3	66.5
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	78.5	78.0	77.8	77.7	76.3	68.9	75.8	74.0
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	85.1	86.8	87.6	88.2	76.4	61.4	72.8	75.6
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	74.3	88.4	83.3	78.6	62.0	48.8	57.5	63.2
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	74.9	78.0	79.6	81.4	63.8	54.5	67.4	70.5
152	Pembuatan kasut <i>Manufacture of footwear</i>	76.7	80.3	79.9	82.6	81.9	69.0	78.0	80.6
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planning of wood</i>	74.2	76.3	75.4	75.2	69.1	65.1	70.7	70.1
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	75.0	73.8	72.5	72.3	66.7	61.5	70.2	70.1
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.2	79.1	78.7	80.2	74.4	68.4	75.7	77.1
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	72.8	74.3	74.1	73.0	67.2	50.1	78.8	70.1
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	74.4	79.8	83.5	83.7	65.7	50.9	67.0	68.3
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	81.1	83.8	81.7	83.3	76.1	72.3	77.9	80.0
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	77.8	78.5	75.8	74.4	70.8	50.9	69.6	70.2
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	72.9	75.0	74.5	70.6	73.0	70.5	76.0	75.1
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	79.5	79.9	80.5	81.1	80.9	80.0	82.9	83.9
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	75.4	77.1	76.2	77.4	74.0	69.7	76.5	77.5

2021				2022				2023			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
85.5	79.7	75.4	80.2	79.0	80.7	82.7	81.3	85.8	88.2	91.9	90.6
70.1	71.3	69.8	70.2	73.3	72.3	77.1	77.0	75.2	77.8	79.9	79.9
67.7	63.4	60.1	65.6	78.8	80.0	77.7	78.9	79.5	78.4	79.8	81.8
73.4	76.6	80.7	68.8	64.7	65.8	69.1	70.3	65.9	70.2	76.6	76.8
74.1	71.4	64.6	65.7	81.8	77.9	74.8	72.1	76.0	77.4	82.2	80.6
59.1	58.7	61.8	58.9	66.3	64.5	73.4	76.0	75.3	70.2	75.0	75.0
80.7	80.7	80.5	78.2	81.7	81.6	87.6	84.6	87.9	81.2	83.3	83.2
68.5	72.1	72.4	70.2	74.9	79.1	83.5	82.4	79.9	82.2	82.9	82.0
66.9	62.7	64.1	75.5	83.2	80.5	81.8	80.7	77.9	80.3	80.2	81.7
80.3	55.1	32.1	77.9	98.2	91.7	68.8	77.8	93.6	89.5	84.4	89.8
81.0	77.0	67.2	69.5	88.3	81.4	89.3	87.2	63.4	73.5	73.1	73.8
71.8	72.5	70.9	79.5	82.3	87.0	84.0	77.9	87.5	87.2	86.4	84.9
78.7	76.5	70.9	79.2	73.2	78.4	74.2	70.4	77.9	81.8	82.3	83.4
61.4	61.9	56.2	63.9	66.6	75.1	74.6	74.1	77.8	68.5	77.9	59.2
66.5	61.2	66.4	76.2	87.9	82.7	93.6	94.6	95.0	80.6	78.8	77.9
80.8	83.3	67.5	70.2	87.5	90.9	91.4	91.0	78.9	85.9	80.9	84.4
69.8	66.0	66.9	69.8	74.2	78.8	78.9	77.4	75.1	78.2	76.0	74.5
68.7	69.1	66.4	72.4	72.1	71.7	71.7	68.5	66.1	66.5	70.5	71.8
77.6	75.3	70.4	73.3	82.7	79.3	78.4	76.6	77.3	76.6	77.7	78.7
71.2	68.7	66.5	71.1	72.2	77.4	77.1	79.4	79.4	83.3	83.4	84.9
78.7	77.3	64.2	63.2	84.4	74.7	81.6	85.7	82.2	73.4	74.2	76.1
83.1	79.9	80.0	83.3	81.0	80.0	79.4	80.3	80.4	82.6	82.9	79.9
71.7	71.0	68.9	72.0	78.2	74.7	72.4	69.5	70.2	71.9	79.6	58.2
72.9	71.2	74.4	71.2	76.7	79.8	86.4	77.0	82.8	81.0	83.3	83.0
81.3	80.5	73.6	81.1	82.1	81.4	77.6	76.5	77.5	77.8	77.9	76.1
76.2	73.2	70.9	76.3	80.0	79.7	81.4	80.7	80.4	78.7	79.6	80.8

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group - Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017				2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	81.4	80.8	81.6	81.6	80.9	79.2	77.3	78.7
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	72.4	70.3	69.8	71.9	71.6	71.4	73.3	71.1
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	77.2	71.3	79.2	78.8	79.9	78.0	79.2	75.2
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	81.1	81.7	79.6	80.1	74.3	74.8	75.0	79.7
243	Pengacuan logam <i>Casting of metals</i>	72.5	74.1	72.3	73.2	70.0	72.7	76.7	76.7
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	75.9	77.1	77.5	78.1	78.3	78.3	76.8	77.2
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	74.0	72.8	72.4	74.8	77.3	76.8	78.2	78.9
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	85.4	84.4	86.2	86.5	85.2	84.9	84.5	82.6
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	64.7	65.0	69.3	70.7	70.0	71.3	68.0	64.7
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	78.9	59.6	69.6	76.0	79.2	77.9	79.3	75.5
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	74.0	81.3	88.2	76.2	69.5	70.2	83.0	70.4
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	67.9	67.6	75.0	68.9	70.8	65.4	74.7	68.4
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	80.3	76.7	86.7	94.1	58.8	55.7	51.2	52.9
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	85.2	88.2	83.5	88.6	89.1	81.0	73.3	64.7
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	78.3	76.9	76.3	76.6	77.3	77.2	78.4	75.8
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	90.7	94.5	94.7	93.1	83.5	84.0	82.8	89.5
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	82.5	78.8	78.1	76.0	78.1	76.8	74.7	74.8
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	64.3	62.5	70.5	69.1	68.6	72.3	68.7	64.3
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	70.6	79.7	88.8	86.7	87.7	92.8	82.9	84.6
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	85.9	85.5	88.7	87.9	87.5	87.0	87.8	88.0
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	77.9	76.5	74.9	75.6	78.9	76.4	75.9	74.6
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	66.7	68.9	63.9	69.0	76.5	82.3	73.3	79.3
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	75.7	77.3	77.5	78.2	76.8	76.1	75.8	72.8
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	74.7	73.2	75.9	77.1	79.9	78.4	76.7	77.2
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	81.8	73.3	75.6	75.5	67.6	74.5	67.8	73.0
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	78.2	75.6	78.1	79.8	79.6	71.1	76.2	79.4

2019				2020				2021			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
77.7	75.2	73.2	73.1	73.1	66.2	71.2	69.7	71.0	73.0	72.7	79.0
70.9	71.1	71.8	72.9	63.1	51.3	68.7	69.7	71.4	64.9	62.4	69.8
71.3	74.9	78.0	75.9	66.9	56.3	67.6	69.7	69.2	59.5	61.4	67.5
76.3	76.7	76.8	77.8	72.5	67.2	75.5	76.7	78.3	76.3	70.9	82.1
76.1	76.2	75.5	74.6	70.3	60.2	71.7	71.3	65.9	61.2	60.3	72.9
77.7	76.6	77.0	77.3	71.4	62.4	72.2	72.1	77.3	75.2	75.3	78.1
76.6	77.2	76.2	76.0	71.8	62.3	74.2	74.7	76.0	69.3	63.7	71.1
81.6	80.8	81.9	82.2	76.4	66.5	77.8	81.4	82.0	81.3	79.0	82.6
58.2	59.0	67.5	68.8	63.2	58.4	59.6	56.8	63.1	67.3	62.9	61.3
78.0	68.1	76.2	75.3	73.1	64.2	79.6	80.4	80.8	79.7	76.7	75.5
69.6	84.1	83.5	73.0	63.6	47.0	71.2	67.8	66.8	76.3	74.7	84.1
70.4	70.5	67.3	66.8	62.8	53.3	66.9	70.7	69.9	69.6	65.0	66.0
56.8	58.8	63.8	63.0	74.1	58.2	69.0	72.9	66.2	66.7	67.0	72.9
60.8	64.9	70.7	66.0	60.4	62.1	83.7	74.0	70.3	64.9	57.3	81.9
78.1	79.4	78.2	79.8	72.6	70.3	79.0	77.1	76.2	76.5	73.6	84.2
90.9	89.5	80.7	75.5	62.6	47.5	74.3	73.2	77.9	87.6	81.6	82.7
76.7	75.9	75.7	75.3	71.2	61.5	72.1	70.2	72.1	71.3	70.4	77.6
63.5	68.0	67.5	69.9	56.9	56.7	67.7	68.6	68.9	61.8	63.2	74.0
86.8	78.6	83.8	88.8	75.5	54.2	74.0	72.3	76.9	74.8	68.4	81.6
83.4	85.7	88.0	87.9	85.9	82.2	85.2	85.5	89.1	88.9	86.0	87.7
74.9	75.8	75.1	76.8	71.0	65.1	73.1	78.4	76.3	71.3	70.4	78.4
80.3	74.1	78.8	79.7	67.0	41.5	69.6	70.6	76.9	55.6	42.0	76.8
75.2	80.0	77.4	77.1	73.5	58.1	71.3	78.9	59.7	60.2	63.7	73.6
80.2	82.5	78.1	79.1	71.1	52.7	73.9	75.7	80.1	77.3	72.7	79.7
74.1	79.1	76.3	70.5	75.7	51.3	61.6	64.8	62.8	68.3	74.9	68.8
83.0	80.4	80.5	80.5	81.1	67.5	78.2	85.6	84.1	78.6	55.5	70.5

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group - Quarterly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2022				2023			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	85.7	87.1	87.5	80.1	60.8	74.1	81.4	85.9
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	77.9	79.6	81.0	79.0	79.8	81.3	83.6	85.7
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	76.2	75.3	77.9	77.9	79.1	79.1	80.1	81.9
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	81.5	78.1	80.0	72.1	76.9	74.7	78.4	78.8
243	Pengacuan logam <i>Casting of metals</i>	78.6	78.9	76.8	72.9	80.4	75.2	73.5	72.4
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	81.0	75.8	76.9	78.4	92.4	89.9	85.3	92.6
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	79.7	77.4	77.0	78.9	78.1	76.7	79.6	81.7
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	86.3	82.6	86.7	84.4	82.1	82.1	81.0	78.6
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	69.4	69.7	76.3	66.0	60.8	56.6	59.3	70.0
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	78.4	77.9	75.6	78.8	80.5	80.6	84.5	79.5
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	70.3	74.6	69.7	70.8	78.8	83.5	82.4	80.3
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	75.7	80.5	85.7	83.6	78.2	75.5	80.6	81.9
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	81.3	81.6	80.7	83.3	86.3	91.3	90.4	87.7
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	82.5	78.9	88.8	87.1	86.8	84.0	86.7	81.3
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	82.2	80.9	84.5	84.1	84.3	79.4	80.2	80.4
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	76.9	88.0	81.3	77.9	67.0	80.5	81.7	83.1
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	80.3	81.4	81.3	77.9	83.2	81.4	82.7	83.0
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	77.6	74.0	79.0	77.8	76.7	81.2	86.1	87.5
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	83.4	73.4	90.7	90.0	85.6	79.0	90.6	77.1
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	89.9	87.4	90.8	85.7	71.2	66.3	68.4	82.1
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	81.6	82.3	83.6	80.1	79.2	84.1	84.3	84.1
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	82.7	77.4	84.6	75.9	87.3	83.5	83.4	83.9
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	61.7	83.8	79.3	82.8	67.5	67.5	81.0	74.2
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	83.8	87.9	89.4	89.3	85.5	81.2	79.6	79.2
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	75.8	75.6	74.3	73.8	68.3	69.1	65.3	80.5
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	81.2	84.6	86.0	86.3	87.1	82.0	90.0	84.7

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017				2018			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
310	Pembuatan perabot <i>Manufacture of furniture</i>	82.1	80.3	81.3	82.2	79.9	80.2	79.7	80.2
321	Pembuatan barang kemas, bijouterie dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	76.2	76.6	79.0	72.8	77.0	76.0	71.9	77.3
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	74.0	73.5	73.3	72.3	67.3	67.7	69.2	70.1
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	70.8	76.8	78.0	75.6	72.8	74.9	73.1	75.2
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	69.6	66.3	61.6	60.3	58.9	68.3	74.5	78.0
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	80.4	80.5	83.1	81.2	81.8	73.6	76.2	74.8
Malaysia		79.1	77.7	80.1	80.0	79.7	79.4	79.1	78.3

2b Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Suku Tahunan

Manufacturing Industry Capacity Utilisation by Group - Quarterly

Kod Kumpulan <i>Group Code</i>	Keterangan Kumpulan <i>Group Description</i>	2019				2020			
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
310	Pembuatan perabot <i>Manufacture of furniture</i>	80.1	78.3	79.6	81.6	75.9	51.2	72.8	75.5
321	Pembuatan barang kemas, bijouterie dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	73.5	78.1	75.3	79.6	66.6	54.0	74.5	76.4
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	71.1	73.0	74.6	69.4	74.7	65.2	79.8	76.1
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	74.7	73.8	72.5	72.9	71.2	63.5	75.3	75.8
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	69.8	75.8	79.3	66.8	71.3	69.0	85.0	71.5
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	68.9	69.3	71.1	72.4	70.5	66.1	73.3	72.3
Malaysia		76.1	77.7	78.8	78.7	71.2	60.8	73.0	74.1

2021				2022				2023			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
74.0	67.6	63.7	75.7	83.1	83.9	85.1	83.0	80.3	79.3	78.1	87.3
72.0	71.9	61.3	67.6	76.6	77.5	81.8	83.1	86.3	86.5	83.3	87.5
76.5	72.4	72.8	78.6	83.7	84.1	83.4	81.4	86.0	81.0	82.1	84.4
76.7	76.0	70.7	75.7	91.9	94.9	88.0	84.6	98.5	87.5	90.7	82.3
64.3	49.1	49.7	67.0	75.7	76.6	80.3	69.6	77.6	76.4	71.0	76.0
73.7	70.1	66.9	72.5	83.1	80.3	79.2	73.0	83.7	75.1	82.3	84.9
76.7	74.3	69.6	75.1	81.1	79.0	81.3	80.2	79.8	78.2	79.4	79.8

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017									
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	78.7	79.8	65.1	65.2	64.9	59.4	62.1	69.8	68.6	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	71.1	67.0	65.5	66.9	69.9	71.5	72.7	74.4	68.3	
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	54.4	57.0	59.2	60.9	69.2	65.0	65.2	57.4	56.9	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.7	66.9	72.1	81.5	79.5	76.1	77.7	77.8	78.6	
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	75.2	74.8	74.6	71.1	73.1	70.5	80.5	81.6	80.4	
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	67.9	67.0	66.5	65.6	65.3	63.1	67.4	68.7	63.5	
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	79.7	80.6	78.8	82.1	81.6	79.2	76.5	76.7	78.2	
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	75.7	67.7	78.1	78.8	77.6	81.9	80.1	83.6	80.4	
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	69.6	61.4	62.7	64.1	74.8	68.6	76.0	72.5	69.2	
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	70.9	84.5	84.6	84.3	75.7	75.6	80.1	71.0	80.5	
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	67.7	71.4	75.7	62.9	59.9	55.3	59.2	73.4	79.8	
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	79.0	79.6	80.4	80.3	80.7	80.2	79.9	79.7	78.5	
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	85.6	80.7	85.7	85.5	84.6	75.9	85.9	86.3	86.3	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	62.6	53.8	65.4	71.8	71.6	73.6	63.7	78.7	71.0	
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	84.5	82.6	87.6	85.1	81.0	79.0	82.6	86.7	80.6	
152	Pembuatan kasut <i>Manufacture of footwear</i>	83.4	82.0	82.4	80.6	80.7	81.7	77.4	76.8	75.1	
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	75.5	74.7	74.6	76.6	76.3	70.4	76.8	77.4	75.1	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	76.1	73.7	75.7	74.7	75.3	71.3	74.2	74.2	73.2	
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.6	77.1	78.3	79.1	80.3	74.9	80.1	77.0	77.2	
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	75.9	75.8	75.8	79.8	76.4	78.0	77.8	79.8	76.7	
192	Pembuatan produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	90.0	89.4	86.2	76.1	81.8	90.7	90.8	88.3	84.4	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	79.9	77.8	78.0	76.1	75.5	83.2	79.6	79.1	82.7	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	70.7	70.1	82.1	81.1	78.8	79.8	81.1	81.3	80.3	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	72.9	64.3	70.6	74.2	69.0	70.4	72.0	73.4	72.2	
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.1	82.1	82.9	82.3	80.9	81.5	82.6	82.4	81.9	
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	75.7	75.9	77.5	76.6	76.6	77.3	78.9	80.2	79.2	

2018														
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
68.2	73.2	71.3	81.0	67.9	68.8	66.5	66.6	66.2	67.2	66.0	67.0	66.4	67.4	66.3
72.0	72.1	70.9	75.6	73.1	76.2	74.8	74.6	72.7	72.4	70.3	73.3	72.7	73.1	72.1
55.5	56.2	56.2	68.6	61.5	60.1	60.9	64.4	64.2	64.1	69.3	63.8	61.4	63.5	66.2
81.8	75.3	79.4	80.6	69.5	80.3	81.0	76.0	69.7	78.8	79.5	77.5	85.9	84.1	81.6
80.1	80.3	83.3	78.8	82.3	81.5	80.6	79.5	64.2	74.9	76.5	70.6	77.0	72.7	70.9
67.3	66.3	65.5	62.6	59.5	60.9	61.6	61.3	60.9	61.7	61.1	58.7	59.1	60.0	58.9
80.3	76.8	75.4	77.3	74.1	82.5	82.5	76.0	77.7	74.3	74.7	80.4	82.2	80.2	80.6
77.0	76.9	78.0	72.6	69.8	75.6	74.8	73.7	71.1	77.9	73.2	73.0	72.2	71.4	73.5
60.9	65.1	62.2	68.0	56.0	67.8	76.1	75.2	67.7	81.7	80.7	68.6	74.8	69.7	76.0
53.6	53.0	62.1	56.1	67.2	63.8	65.6	66.4	66.7	66.8	66.0	67.0	66.0	65.5	66.4
72.8	63.9	71.2	64.7	54.6	55.2	65.1	65.8	91.3	65.2	65.8	62.7	69.7	62.1	63.6
80.0	79.4	80.0	79.1	77.7	78.8	79.7	78.2	79.9	78.1	79.5	73.8	73.9	74.2	79.3
87.6	88.0	89.5	87.4	85.4	88.7	87.9	88.2	85.8	88.9	87.1	85.7	88.2	86.0	87.8
73.7	65.9	71.7	87.7	85.0	86.8	84.7	86.6	86.1	87.5	86.3	83.8	86.2	86.0	85.5
85.8	84.4	83.1	82.8	80.7	86.7	87.3	86.5	92.8	93.1	89.2	82.1	81.3	81.5	79.7
73.9	73.8	76.3	77.4	75.1	77.9	77.7	77.6	75.9	77.1	76.9	77.1	78.3	76.8	76.9
76.1	75.8	74.3	73.4	68.5	75.2	71.5	72.0	73.0	75.7	73.7	75.8	74.3	75.4	74.0
77.8	75.7	77.8	77.0	70.8	77.7	77.1	76.5	73.2	76.6	76.9	76.0	76.7	76.3	77.4
79.0	79.5	78.0	83.1	79.2	81.2	81.9	81.4	78.9	81.6	81.6	80.5	81.6	79.8	80.8
77.1	76.3	75.4	74.9	74.8	78.4	76.8	79.1	78.5	79.2	78.7	75.8	75.9	73.4	75.5
87.2	89.5	88.5	88.6	84.1	84.8	86.2	85.2	86.4	85.8	79.6	80.0	76.4	87.0	88.2
82.7	78.5	80.5	85.3	86.4	84.4	81.5	85.0	80.2	84.8	83.2	84.1	84.7	85.6	83.5
81.6	80.9	80.1	75.2	80.6	87.4	73.0	81.3	80.0	80.0	65.0	77.0	62.8	77.5	75.1
76.0	79.9	73.7	75.6	73.8	75.0	72.2	71.8	74.6	79.5	75.9	72.6	75.4	73.1	75.4
83.5	82.9	82.8	82.3	79.8	81.7	79.9	79.6	78.6	80.2	80.0	79.8	80.6	79.4	79.6
78.5	78.3	77.3	78.2	77.1	78.1	78.9	77.6	76.0	80.1	78.9	76.3	77.6	75.8	76.3

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2019									
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	70.7	73.3	72.3	71.1	72.6	70.9	72.3	73.0	74.2	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	73.0	68.7	74.3	74.2	73.3	71.7	71.8	70.0	73.7	
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	75.9	64.9	62.2	64.3	63.8	61.7	62.6	64.3	62.2	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	67.7	80.1	70.9	71.7	79.2	70.3	71.3	71.6	71.8	
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	63.4	61.2	65.4	67.6	65.4	60.8	67.9	67.7	65.6	
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	68.3	66.5	68.3	68.5	68.2	66.5	66.7	69.3	69.2	
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	78.6	80.0	82.5	82.4	80.7	77.4	79.9	77.4	78.9	
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	67.5	67.0	71.2	73.1	74.9	71.5	73.7	74.0	72.0	
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	74.3	63.4	65.2	71.6	72.7	66.1	68.8	72.6	73.5	
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	77.6	77.3	79.2	90.0	69.8	72.5	74.4	80.9	76.4	
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	66.1	64.3	66.6	66.4	64.3	63.9	65.7	65.6	65.6	
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	78.7	78.4	78.5	78.7	77.0	78.3	77.9	78.2	77.3	
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	86.3	81.9	87.1	86.6	88.1	85.8	89.2	87.6	86.1	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	76.5	72.0	74.5	79.6	92.7	92.9	87.3	83.1	79.5	
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	70.0	75.9	78.9	78.1	81.4	74.5	80.9	79.0	78.8	
152	Pembuatan kasut <i>Manufacture of footwear</i>	78.6	74.2	77.4	81.2	78.7	80.9	78.8	81.5	79.4	
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	77.9	68.3	76.3	76.8	77.3	74.7	74.3	74.9	76.9	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	76.1	72.7	76.4	76.7	73.6	71.1	72.5	74.2	71.0	
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.9	75.8	79.9	80.4	81.5	75.4	79.2	78.1	78.8	
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	72.5	72.7	73.0	75.0	73.9	74.1	73.8	75.3	73.3	
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	73.8	77.4	71.9	72.8	80.0	86.5	83.4	82.4	84.8	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	80.0	84.5	78.7	82.0	85.0	84.4	82.8	79.6	82.9	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	76.9	77.5	79.0	75.5	82.1	77.7	77.3	78.1	71.8	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	75.8	71.7	71.4	76.1	75.4	73.6	76.1	75.7	71.9	
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	79.9	79.1	79.6	79.0	80.4	80.4	80.6	81.2	79.7	
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	76.5	73.6	76.0	78.1	78.2	74.9	77.4	76.0	75.4	

2020														
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
75.4	75.4	74.8	88.9	88.4	82.2	81.7	85.8	85.3	87.3	86.9	84.8	83.2	84.5	84.5
74.7	72.2	69.3	70.0	69.4	68.4	68.9	72.7	72.9	73.2	70.9	68.9	71.2	71.4	71.3
64.6	68.6	69.8	66.0	68.6	53.9	54.8	60.3	67.6	70.7	63.5	63.8	63.1	65.3	73.6
68.6	66.4	65.4	65.7	68.6	80.8	76.8	79.8	79.6	76.0	69.0	69.5	64.8	61.9	60.5
65.9	68.5	74.1	73.4	80.6	66.6	67.4	71.7	76.7	73.0	73.9	74.4	73.2	72.7	72.9
67.1	67.5	67.1	69.6	69.8	55.4	49.3	68.8	54.4	52.0	70.3	56.7	51.0	68.1	54.4
74.8	76.7	77.9	78.3	75.6	72.5	70.7	75.5	83.1	78.2	81.7	83.3	85.1	80.7	83.5
76.8	74.3	75.6	73.8	74.5	74.0	74.6	71.8	70.9	75.0	74.7	71.9	74.9	70.8	71.8
75.9	76.2	77.1	71.4	73.6	58.9	49.8	50.9	62.9	65.0	66.6	71.0	72.0	70.2	71.2
77.4	75.6	71.5	73.9	72.5	54.0	1.6	73.6	68.6	76.0	73.2	62.1	53.4	52.1	55.4
66.9	66.7	64.4	75.2	73.3	61.1	30.5	49.7	64.6	65.4	65.2	65.2	66.0	66.6	67.0
77.5	77.9	77.8	78.1	77.3	73.5	61.0	71.9	73.8	76.0	75.5	75.9	74.0	74.1	74.1
86.5	87.4	90.8	78.9	80.2	70.1	52.9	60.1	71.1	69.4	73.6	75.3	75.8	74.2	76.9
84.3	78.0	73.4	67.6	66.6	51.7	35.0	57.4	54.1	59.5	54.0	59.2	65.1	64.2	60.2
80.6	80.5	83.2	74.6	68.6	48.3	35.5	58.3	69.6	70.2	65.6	66.5	63.8	72.6	75.3
83.4	80.8	83.7	83.2	85.0	77.6	52.9	78.5	75.6	77.4	77.9	78.6	79.5	81.7	80.6
77.4	77.1	71.2	73.9	74.6	58.9	56.7	66.5	72.2	68.4	71.4	72.4	71.3	69.7	69.4
73.6	71.4	71.9	69.8	70.5	59.9	54.4	60.0	70.1	70.6	69.6	70.4	69.0	70.7	70.7
79.7	81.2	79.7	78.5	78.6	66.1	61.8	68.1	75.2	75.9	74.5	76.6	77.2	77.0	77.0
72.1	73.5	73.3	71.8	71.7	58.2	29.7	42.5	78.2	85.1	70.5	80.7	70.8	69.5	70.0
81.6	85.6	83.8	67.5	69.2	60.3	32.0	54.2	66.6	65.3	66.6	69.2	73.4	62.6	69.0
83.2	84.2	82.4	78.0	79.4	70.8	63.0	78.1	75.8	77.8	76.0	80.0	81.7	80.6	77.8
72.8	77.1	73.4	76.6	74.0	62.0	45.3	48.3	59.2	65.2	70.5	73.0	69.8	69.1	71.7
72.3	72.1	67.5	76.2	73.5	69.2	69.4	68.6	73.6	73.4	77.1	77.6	76.0	72.0	77.5
80.6	81.2	81.6	82.7	82.4	77.7	80.1	78.1	81.7	82.8	82.9	83.1	83.5	83.7	84.4
77.0	77.9	77.5	78.2	76.4	67.3	61.2	71.5	76.6	77.1	75.7	76.8	77.4	77.2	77.8

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2021									
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	88.0	84.0	84.4	83.9	78.3	76.9	73.1	76.5	76.7	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	69.6	69.9	70.9	71.2	71.7	71.0	69.9	68.9	70.5	
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	72.9	63.9	66.5	65.9	67.0	57.2	58.5	64.8	57.0	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	68.9	69.0	82.2	81.7	70.6	77.5	81.4	79.1	81.6	
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	74.0	73.4	74.7	73.5	69.2	71.7	67.0	67.4	59.5	
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	58.7	58.9	59.6	59.7	58.2	58.3	61.5	61.1	62.7	
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	80.6	77.5	83.9	80.7	80.0	81.5	81.1	79.6	80.7	
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	70.6	64.6	70.2	72.7	71.5	72.0	75.8	71.6	69.6	
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	69.6	61.9	69.1	68.4	61.6	58.0	57.3	61.1	74.0	
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	78.4	81.1	81.4	76.3	79.3	9.7	8.8	9.9	77.6	
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	75.6	86.7	80.6	83.8	76.5	70.7	71.5	62.2	67.8	
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	74.6	69.9	70.9	72.4	76.9	68.1	67.2	71.6	74.1	
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	80.6	76.9	78.6	79.7	79.1	70.6	69.1	71.6	72.1	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	69.6	57.4	57.2	54.0	53.8	78.0	75.3	39.7	53.6	
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	68.1	65.6	65.7	68.4	65.5	49.8	63.2	58.0	77.9	
152	Pembuatan kasut <i>Manufacture of footwear</i>	78.8	79.3	84.2	83.1	82.1	84.6	67.7	66.1	68.7	
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	70.2	68.8	70.4	69.7	68.1	60.1	64.7	68.0	68.1	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	67.9	68.5	69.7	69.6	71.5	66.3	63.4	67.1	68.8	
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	79.7	75.1	78.1	76.8	75.5	73.7	70.8	68.4	71.9	
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	70.3	70.8	72.6	70.9	68.5	66.8	65.2	67.0	67.4	
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	78.8	79.2	78.0	78.0	79.1	74.7	74.3	64.5	53.8	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	84.7	84.2	80.4	78.9	84.2	76.7	78.6	77.4	84.1	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	72.8	70.1	72.0	71.8	68.3	72.7	68.6	65.5	72.7	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	72.1	74.1	72.4	75.0	69.8	68.9	72.3	74.3	76.7	
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	81.7	79.2	82.9	82.3	81.6	77.6	73.5	71.2	76.0	
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	75.4	75.8	77.3	75.8	72.8	70.9	67.6	70.0	75.2	

2022												2023					
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
79.8	80.2	80.6	81.3	76.5	79.1	80.6	81.1	80.4	82.9	82.0	83.1	81.0	81.7	81.4	85.2	86.0	86.1
71.2	68.4	71.2	74.6	69.5	75.8	71.5	71.6	73.8	77.7	75.3	78.4	76.1	77.1	78.0	77.7	73.4	74.7
56.8	64.8	75.2	82.8	73.1	80.6	78.7	77.1	84.0	81.6	76.3	75.3	71.9	86.3	78.6	72.9	83.9	81.5
71.9	69.2	65.3	66.2	62.6	65.1	59.1	69.6	68.7	67.9	70.5	68.7	71.6	74.1	65.2	64.8	67.3	65.7
67.2	59.4	70.6	84.6	80.0	80.7	81.8	77.8	74.1	78.2	74.6	71.7	78.2	69.9	68.1	72.9	76.7	78.3
58.7	58.4	59.8	73.0	58.8	67.1	55.0	65.1	73.3	71.1	73.6	75.4	74.7	76.1	77.1	76.6	75.2	74.0
79.4	76.8	78.5	84.2	76.2	84.6	71.5	86.0	87.4	88.3	89.1	85.4	84.8	83.1	85.9	88.8	85.1	89.7
68.0	72.2	70.5	82.5	66.3	75.7	75.6	78.6	83.0	84.8	84.7	80.9	81.9	81.1	84.2	82.5	78.8	78.5
74.3	78.3	73.8	87.9	80.5	81.1	81.1	80.8	79.5	82.6	82.4	80.4	79.9	78.8	83.5	79.0	77.3	77.3
80.8	81.0	72.0	97.9	99.1	97.7	79.1	99.3	96.8	74.3	54.6	77.6	77.5	56.5	99.6	92.7	91.5	96.8
69.2	69.6	69.9	88.5	86.2	90.0	82.4	78.4	83.4	86.1	87.1	94.5	87.1	86.0	88.6	58.3	65.5	66.5
78.8	79.8	80.0	87.0	81.0	79.0	89.6	86.5	84.9	84.9	83.4	83.6	81.2	81.6	71.1	82.4	86.8	93.1
77.5	79.7	80.6	73.1	70.6	75.9	78.6	81.1	75.6	77.5	71.8	73.2	68.6	69.2	73.3	77.9	72.8	82.9
60.8	66.5	64.3	63.6	64.2	72.0	71.9	64.0	89.3	86.6	70.7	66.4	67.0	72.4	83.0	85.9	74.1	73.4
77.4	76.4	74.8	91.6	84.8	87.3	79.9	74.2	93.8	90.7	95.5	94.5	93.7	95.5	94.6	97.0	93.8	94.1
70.0	71.5	69.1	88.5	82.9	90.9	89.8	91.3	91.6	90.7	93.2	90.2	90.5	90.3	92.1	86.1	74.5	76.1
70.5	71.7	67.2	72.3	70.6	79.7	78.6	76.4	81.2	78.6	79.4	78.9	75.5	77.6	79.1	73.7	76.0	75.6
74.7	72.9	69.6	71.6	70.8	73.8	72.2	70.8	72.1	69.6	73.8	71.6	71.6	67.4	66.6	65.9	65.8	66.6
70.7	73.7	75.5	83.6	80.0	84.5	80.3	76.8	80.9	79.5	78.1	77.6	77.9	75.4	76.5	74.6	77.3	79.9
71.7	71.3	70.4	73.0	73.2	70.5	75.9	75.9	80.5	76.7	77.6	77.0	76.1	81.7	80.3	78.2	79.8	80.3
57.3	64.6	67.7	85.7	90.8	76.8	86.4	71.6	66.2	79.8	80.1	85.0	84.7	86.4	85.9	85.9	79.4	81.4
82.8	84.7	82.3	81.8	76.8	84.4	83.0	80.2	76.9	80.7	82.3	75.2	82.1	80.5	78.1	80.3	81.0	79.8
69.1	73.4	73.5	76.6	78.3	79.6	71.8	76.1	76.1	69.3	75.9	72.2	70.1	70.9	67.7	67.1	67.2	76.1
69.8	72.4	71.3	78.6	71.1	80.4	78.5	76.3	84.6	86.7	88.2	84.2	82.2	79.2	69.5	79.6	85.8	83.1
79.5	82.1	81.7	83.3	80.4	82.6	83.0	80.4	80.7	77.3	78.9	76.5	78.3	76.4	74.7	77.0	76.3	79.1
78.0	75.9	74.9	80.6	77.9	81.5	79.7	78.5	80.9	80.7	81.1	82.5	81.9	80.0	80.3	79.9	80.4	80.9

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan Group Code		Keterangan Kumpulan Group Description	2023								
			Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
101	Pemprosesan dan pengawetan daging <i>Processing and preserving of meat</i>	88.2	88.5	87.9	90.6	90.8	94.2	89.4	90.6	91.8	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska <i>Processing and preserving of fish, crustaceans and molluscs</i>	76.8	80.0	76.5	79.6	81.3	78.7	80.9	78.0	80.8	
103	Pemprosesan dan pengawetan buah-buahan dan sayur-sayuran <i>Processing and preserving of fruits and vegetable</i>	79.4	77.7	78.1	79.6	79.0	80.9	78.9	82.7	84.0	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	66.3	73.0	71.4	74.6	75.7	79.5	78.0	76.9	75.4	
105	Pembuatan produk tenusu <i>Manufacture of dairy products</i>	75.4	80.6	76.2	83.0	79.4	84.2	81.4	80.4	80.0	
106	Pembuatan produk bijian, kanji dan produk berkanji <i>Manufacture of grain mill products, starches and starch products</i>	65.0	73.9	71.7	73.7	72.9	78.3	76.3	75.1	73.5	
107	Pembuatan produk makanan lain <i>Manufacture of other food products</i>	79.8	81.0	82.8	80.9	84.4	84.6	83.7	83.6	82.3	
108	Pembuatan makanan haiwan tersedia <i>Manufacture of prepared animal feeds</i>	81.5	83.0	82.0	83.5	83.8	81.5	82.5	83.0	80.4	
110	Pembuatan minuman ringan <i>Manufacture of beverages</i>	78.3	82.5	80.0	80.1	80.2	80.5	80.6	82.1	82.5	
120	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	92.9	93.4	82.3	82.0	81.7	89.4	89.7	90.1	89.7	
131	Pemintalan, penenunan dan penyiapan tekstil <i>Spinning, weaving and finishing of textiles</i>	72.0	71.3	77.2	72.4	73.7	73.2	74.1	74.0	73.3	
139	Pembuatan tekstil lain <i>Manufacture of other textiles</i>	85.9	87.9	87.7	87.2	85.5	86.4	85.0	86.0	83.7	
141	Pembuatan pakaian, kecuali pakaian berbulu <i>Manufacture of wearing apparel, except fur apparel</i>	81.7	81.5	82.3	81.3	82.5	83.2	84.2	84.5	81.5	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye <i>Manufacture of articles of fur, knitted and crocheted apparel</i>	48.1	79.4	77.9	76.5	78.3	78.9	66.4	58.5	52.6	
151	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu <i>Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur</i>	77.8	82.2	81.8	77.8	78.9	79.6	73.7	74.5	85.4	
152	Pembuatan kasut <i>Manufacture of footwear</i>	85.9	87.0	84.8	79.9	79.3	83.4	85.2	85.3	82.6	
161	Pengilangan dan pengetaman kayu <i>Sawmilling and planing of wood</i>	78.6	77.3	78.7	77.0	75.3	75.7	75.0	75.2	73.4	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain <i>Manufacture of products of wood, cork, straw and plaiting materials</i>	65.3	68.3	65.7	67.6	72.1	71.9	71.6	71.6	72.2	
170	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	76.5	75.6	77.6	77.0	77.4	78.6	78.5	79.4	78.2	
181 & 182	Percetakan dan aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman <i>Printing and service activities related to printing & reproduction of recorded media</i>	82.8	83.8	83.2	82.9	83.4	83.8	83.5	84.5	86.6	
192	Pembuatan produk produk petroleum bertapis <i>Manufacture of refined petroleum products</i>	72.8	73.5	74.0	74.4	74.6	73.5	77.1	75.9	75.2	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer <i>Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms</i>	81.0	82.7	83.9	83.4	83.6	81.7	80.5	79.5	79.6	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia <i>Manufacture of other chemical products and man-made fibres</i>	66.6	71.8	77.2	78.6	81.5	78.8	58.2	62.0	54.4	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani <i>Manufacture of pharmaceuticals, medicinal chemical and botanical products</i>	80.7	80.6	81.6	81.2	83.5	85.1	82.6	82.5	84.1	
221	Pembuatan produk getah <i>Manufacture of rubber products</i>	75.2	77.9	80.4	77.7	78.0	77.8	76.0	75.5	76.9	
222	Pembuatan produk plastik <i>Manufacture of plastics products</i>	76.7	80.5	78.9	79.0	80.2	79.5	80.9	80.9	80.5	

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017									
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	82.1	79.6	82.6	80.5	81.1	80.7	81.6	81.2	82.0	
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	75.5	71.8	69.9	71.5	69.1	70.3	70.0	70.3	69.1	
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	79.4	71.2	81.1	72.2	74.8	67.0	80.1	83.1	74.4	
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	79.1	80.5	83.7	82.2	83.2	79.6	81.1	80.5	77.1	
243	Pengacuan logam <i>Casting of metals</i>	70.7	71.7	75.1	74.8	74.2	73.5	72.6	72.6	71.6	
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	73.7	77.3	76.6	76.7	77.2	77.3	78.9	76.8	76.6	
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	74.6	73.4	73.9	73.1	74.9	70.5	72.2	73.2	71.9	
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	85.0	84.7	86.5	84.1	85.1	83.9	85.1	86.5	87.1	
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	62.8	62.0	69.2	64.2	63.4	67.5	64.8	69.4	73.5	
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	74.7	76.9	85.2	60.4	57.0	61.4	59.3	58.6	91.1	
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	72.3	76.9	72.8	78.6	85.8	79.4	85.5	91.3	87.7	
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	67.2	68.6	67.8	65.0	66.8	71.0	76.8	77.6	70.6	
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	84.1	74.7	82.1	73.5	90.4	66.1	85.8	94.8	79.4	
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	83.0	85.4	87.1	88.9	89.0	86.6	85.1	82.0	83.6	
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	76.6	78.3	80.0	79.6	76.1	75.1	77.1	76.9	74.7	
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	83.4	93.6	95.1	95.0	96.9	91.6	94.7	94.2	95.2	
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	84.1	82.6	81.0	79.2	80.5	76.9	78.7	79.1	76.5	
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	70.5	58.3	64.1	64.4	63.2	60.1	67.5	70.4	73.7	
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	74.5	69.7	67.7	80.5	79.1	79.5	90.1	87.6	88.5	
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	86.7	83.7	87.3	79.4	88.7	88.4	89.8	90.1	86.3	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	78.5	76.4	78.9	78.1	77.5	73.9	75.1	75.4	74.1	
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	67.2	66.3	66.7	61.9	70.5	74.5	70.2	61.7	59.9	
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	77.1	76.4	73.4	76.1	77.3	78.3	77.0	76.6	78.8	
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	76.9	70.7	76.6	73.5	74.5	71.6	75.0	76.0	76.6	
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	89.9	84.8	70.7	74.7	75.2	70.1	74.2	77.3	75.4	
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	79.6	79.4	75.5	78.8	76.0	71.9	78.6	75.3	80.3	

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2017		2018						
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	81.4	81.7	81.9	79.6	79.1	83.9	81.8	80.6	75.1
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	71.3	73.1	71.1	73.4	68.2	73.1	72.6	71.5	70.1
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	78.4	79.7	78.5	81.2	75.3	83.0	81.0	79.3	73.7
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	80.9	80.2	79.3	75.5	71.6	75.8	76.0	75.3	73.2
243	Pengacuan logam <i>Casting of metals</i>	71.8	74.7	73.0	71.3	69.0	69.7	71.4	74.0	72.8
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.7	77.8	78.7	79.4	77.4	78.1	78.6	78.0	78.3
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	73.9	74.3	76.0	77.5	75.8	78.6	78.0	76.8	75.5
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	86.3	87.4	85.9	83.2	85.4	86.9	85.3	85.2	84.1
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	68.6	69.6	74.0	69.3	65.5	75.4	71.2	71.7	71.2
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	67.7	72.0	88.2	85.0	69.9	82.7	80.7	80.0	72.8
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	85.6	77.5	65.3	66.2	57.7	84.6	66.7	72.7	71.1
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	67.6	70.1	69.2	71.4	73.9	67.1	66.9	69.1	60.1
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	94.4	95.8	92.0	53.3	67.1	55.9	55.9	57.0	54.3
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	91.7	88.5	85.6	89.1	89.9	88.4	87.9	78.9	76.1
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	75.9	78.0	76.0	75.8	76.9	79.4	79.4	76.8	75.5
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	95.4	94.0	90.0	83.6	83.6	83.4	83.4	84.8	83.8
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	77.0	76.1	75.0	79.7	77.2	77.5	77.4	76.1	76.9
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	65.6	70.7	71.0	72.0	66.6	67.3	77.9	66.6	72.5
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	88.7	84.3	87.1	89.0	84.8	89.4	94.9	95.6	87.9
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	89.6	88.2	85.9	87.0	86.9	88.7	87.4	87.1	86.6
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	74.9	76.3	75.6	78.1	77.4	81.3	78.5	76.6	74.2
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	54.3	75.1	77.5	78.4	71.2	80.0	80.8	82.1	84.1
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	78.5	77.7	78.4	79.9	75.2	75.3	76.4	76.8	75.1
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	77.8	78.0	75.4	81.9	78.6	79.3	81.3	78.8	75.1
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	74.5	78.8	73.1	69.5	70.4	62.9	65.5	85.4	72.6
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	78.3	78.8	82.1	85.0	82.2	71.4	70.6	70.4	72.2

2019														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
77.3	78.2	76.4	79.0	80.1	76.9	79.6	75.9	77.5	75.5	74.2	75.9	75.3	71.4	73.0
74.0	73.2	72.7	72.0	71.1	70.2	71.6	68.2	72.9	73.7	71.9	67.8	73.2	72.7	69.6
81.9	78.5	77.2	78.1	70.7	76.9	72.2	67.7	74.0	77.5	78.7	68.5	78.1	79.4	76.5
76.4	74.6	74.0	81.4	78.7	78.8	78.1	73.5	77.2	77.3	76.5	76.3	75.9	76.5	77.9
73.1	79.4	77.6	78.2	74.9	76.9	79.1	76.2	73.1	77.8	77.5	73.2	75.7	76.5	74.4
78.3	74.2	77.9	77.8	77.0	76.9	79.1	77.4	76.6	77.3	76.1	76.4	76.6	77.0	77.4
77.2	79.2	78.0	79.2	79.1	78.4	78.2	73.9	77.8	79.2	77.2	75.4	77.6	75.8	75.2
85.3	84.0	84.1	83.6	82.1	81.9	82.1	81.4	81.3	79.9	82.0	80.5	81.5	82.3	81.7
65.1	70.6	68.2	66.0	64.3	64.0	60.8	55.4	58.4	57.8	53.5	65.8	68.0	69.2	65.3
84.1	78.2	75.5	78.0	73.8	74.6	87.7	71.0	75.3	67.9	64.0	72.3	89.4	69.7	69.5
82.5	83.1	83.4	79.4	65.4	66.5	70.2	65.7	73.0	86.1	86.0	80.3	88.6	83.4	78.5
74.4	79.2	70.6	60.9	72.3	72.0	64.8	67.0	79.5	71.5	70.9	69.0	65.5	70.6	65.8
51.6	50.2	51.9	52.1	55.0	51.6	56.9	55.2	58.4	58.5	59.8	58.3	62.8	63.8	64.9
78.2	73.9	67.8	67.9	63.5	62.7	62.2	60.8	59.3	61.6	60.4	72.7	71.7	71.0	69.2
78.6	79.6	77.2	77.2	75.8	74.5	74.5	78.0	81.8	81.0	80.3	77.1	78.2	79.0	77.6
79.8	84.3	84.4	91.4	90.6	86.4	93.3	88.5	90.9	90.5	87.6	90.6	84.5	76.8	80.8
77.6	72.5	73.9	77.0	73.2	74.3	78.1	75.3	76.6	78.0	77.4	72.4	76.3	74.9	76.0
73.4	63.2	69.6	66.3	63.0	63.5	65.6	60.8	64.1	69.8	71.0	63.1	70.6	66.8	65.0
81.3	83.1	84.3	83.8	84.2	85.6	89.1	86.9	84.3	81.3	81.3	73.3	80.6	84.8	86.1
87.2	89.0	87.0	89.1	87.5	87.3	83.5	82.7	84.1	84.2	87.3	85.7	89.3	87.0	87.5
76.8	75.1	75.8	76.1	73.4	74.5	74.0	73.6	77.1	76.6	76.0	74.7	76.3	74.1	75.0
84.6	71.4	63.9	79.2	82.4	76.2	74.8	86.7	79.3	73.8	73.7	74.7	80.5	75.6	80.3
74.0	80.2	73.2	68.6	76.3	73.3	75.3	73.5	76.8	85.8	77.7	76.5	75.5	79.8	77.0
80.2	77.2	72.8	76.8	78.7	76.0	78.1	80.2	82.3	83.0	83.6	80.9	78.1	78.2	78.2
69.3	66.3	67.7	72.4	70.4	76.1	74.5	71.3	76.4	77.7	79.9	79.8	78.0	74.6	76.2
71.8	81.6	75.1	73.4	83.8	81.1	83.4	82.9	82.7	82.5	81.9	76.7	82.6	80.5	78.3

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2019		2020						
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	72.3	72.6	74.5	79.7	72.2	67.4	52.1	70.1	76.6
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	73.3	72.5	72.8	70.1	66.0	53.2	38.2	55.5	60.4
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	78.4	76.2	73.0	72.9	69.7	58.0	45.9	56.7	66.3
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	79.1	76.5	77.8	78.2	76.7	62.4	55.9	72.7	73.1
243	Pengacuan logam <i>Casting of metals</i>	75.3	75.2	73.2	75.4	76.4	59.2	45.1	65.4	70.1
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.0	77.6	77.3	72.7	73.5	68.0	51.6	65.5	70.0
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	75.5	75.9	76.6	75.7	76.6	63.2	49.7	66.1	71.0
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	82.1	82.6	82.0	78.2	79.6	71.5	51.8	72.5	75.1
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	64.7	65.4	76.4	65.9	67.8	55.8	60.1	56.2	58.9
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	81.3	68.8	76.0	80.9	77.5	61.0	47.7	66.8	78.0
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	79.2	71.7	68.0	71.2	72.5	47.0	24.0	48.7	68.5
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	64.3	64.1	72.0	64.5	63.5	60.5	44.6	54.6	60.5
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	63.6	64.8	60.5	73.8	77.8	70.6	46.7	62.4	65.6
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	68.2	66.8	63.0	75.3	76.9	28.9	51.7	50.8	83.9
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	79.9	78.0	81.6	76.9	75.7	65.3	57.9	74.1	78.9
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	76.1	83.8	66.5	74.6	71.1	42.0	31.0	50.6	60.9
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	75.4	75.9	74.6	76.1	74.5	62.9	51.1	65.3	68.2
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	70.1	69.1	70.6	57.9	67.9	45.0	45.0	55.6	69.6
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	91.0	87.5	88.0	84.1	80.1	62.2	31.2	68.2	63.3
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	89.5	87.5	86.7	88.1	88.7	80.8	70.7	87.6	88.2
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	76.9	77.1	76.4	76.3	74.3	62.4	53.8	68.5	73.1
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	84.7	82.9	71.6	67.8	66.6	66.5	15.2	44.8	64.6
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	77.2	76.4	77.6	78.4	77.7	64.4	43.4	69.5	61.3
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	79.0	78.0	80.3	76.1	74.9	62.3	36.9	53.9	67.3
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	68.6	70.9	72.1	76.8	74.9	75.3	42.2	52.4	59.4
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	80.7	81.1	79.7	82.4	87.7	73.1	53.3	69.1	80.1

2021														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
73.5	71.4	68.7	70.7	72.4	66.0	63.8	69.6	79.6	78.3	76.0	64.8	66.1	72.3	79.5
68.0	69.2	69.1	69.6	68.2	71.3	70.7	70.3	73.2	73.4	67.8	53.5	57.8	62.4	67.0
70.4	62.0	70.3	68.1	66.9	74.0	72.1	64.9	70.6	70.4	62.2	46.0	52.8	58.3	73.2
74.5	75.7	76.2	77.4	76.1	76.6	77.5	76.9	80.5	80.4	78.4	70.2	66.6	70.1	76.0
71.9	72.4	71.0	71.3	71.2	71.4	66.2	62.5	69.0	66.6	64.7	52.2	45.6	63.7	71.4
71.6	71.7	73.4	72.0	71.9	72.4	76.7	76.9	78.4	77.9	75.4	72.2	73.9	76.0	76.1
74.1	70.9	77.5	74.3	74.4	75.3	77.5	73.0	77.5	76.0	71.0	60.7	60.9	62.7	67.5
75.2	77.6	80.7	80.9	81.0	82.3	81.9	81.2	83.0	81.4	81.2	81.4	77.5	77.4	82.0
64.6	59.1	55.0	57.8	54.0	58.4	61.6	65.8	61.9	66.0	65.3	70.6	66.9	58.0	63.8
79.3	78.4	81.1	80.6	79.5	81.2	79.5	78.1	84.8	81.2	77.7	80.3	79.3	73.1	77.8
69.7	71.3	72.5	68.7	66.3	68.4	62.7	64.8	73.0	72.9	72.7	83.4	63.9	72.0	88.1
66.7	66.7	67.2	69.4	75.8	66.9	70.0	70.1	69.8	72.1	67.2	69.5	73.5	59.5	62.1
68.3	66.0	72.8	73.6	70.5	74.6	65.6	69.4	63.5	66.0	69.2	64.8	63.7	66.8	70.6
86.1	82.5	82.4	73.5	74.5	74.0	69.3	70.3	71.4	71.8	68.7	54.2	37.5	62.8	71.5
80.4	78.5	78.0	77.2	76.1	77.9	72.4	76.4	79.8	78.9	75.1	75.5	67.3	73.7	79.9
69.4	76.0	77.6	76.1	75.3	68.0	88.8	51.7	93.4	89.8	91.0	82.0	72.7	91.2	80.9
71.2	71.0	74.1	69.8	69.4	71.5	70.9	74.3	71.1	71.2	73.4	69.3	66.4	70.3	74.4
64.8	67.3	70.8	67.3	67.2	71.3	71.2	66.1	69.4	70.1	61.0	54.2	54.2	66.5	69.0
75.0	73.8	73.2	75.5	72.2	69.2	72.4	79.2	79.1	80.4	78.4	65.7	61.3	66.6	77.2
83.8	84.9	87.0	84.1	85.9	86.7	89.4	88.9	89.1	90.9	89.6	86.3	86.8	82.3	88.9
73.2	72.7	73.5	78.3	77.7	79.2	75.7	74.9	78.4	76.2	73.5	64.1	60.2	74.3	76.9
67.5	69.9	71.4	70.8	69.5	71.4	78.9	71.7	80.2	75.9	78.6	12.4	11.0	42.8	72.3
68.1	71.9	73.7	74.8	79.1	82.7	61.6	58.0	59.5	60.8	62.1	57.6	55.8	62.5	72.8
71.9	74.6	75.3	75.5	75.4	76.3	76.5	79.0	84.9	79.8	80.4	71.5	71.0	70.9	76.1
59.9	61.4	63.5	64.9	64.1	65.4	62.4	59.1	67.0	67.0	70.6	67.3	71.0	79.2	74.6
75.3	73.9	85.4	91.7	84.2	80.8	85.2	81.1	86.0	82.6	78.0	75.2	53.5	45.7	67.2

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan Group Code	Keterangan Kumpulan Group Description	2021		2022						
		Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
231	Pembuatan kaca dan produk kaca <i>Manufacture of glass and glass products</i>	80.6	80.6	75.7	85.9	82.0	89.1	85.0	88.3	87.9
239	Pembuatan pengeluaran galian bukan logam t.t.t.l. <i>Manufacture of non-metallic mineral products n.e.c.</i>	69.6	68.6	71.3	81.7	75.8	76.0	80.7	77.7	80.4
241	Pembuatan besi dan keluli asas <i>Manufacture of basic iron and steel</i>	70.9	68.0	63.6	78.1	71.9	78.7	76.7	70.8	78.3
242	Pembuatan logam asas berharga dan logam bukan ferus lain <i>Manufacture of basic precious and other non-ferrous metals</i>	82.2	82.5	81.4	84.5	77.5	82.6	79.8	79.6	75.0
243	Pengacuan logam <i>Casting of metals</i>	71.1	75.3	72.3	77.4	77.3	81.0	78.9	78.4	79.6
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru <i>Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition</i>	77.3	78.4	78.5	83.2	80.5	79.5	76.2	74.5	76.8
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam <i>Manufacture of other fabricated metal products; metal working service activities</i>	71.4	70.4	71.5	81.1	76.9	81.1	81.5	72.6	78.0
261	Pembuatan komponen dan papan elektronik <i>Manufacture of electronic components and boards</i>	82.1	81.9	83.7	84.6	87.5	86.8	81.6	80.6	85.7
262	Pembuatan komputer dan kelengkapan peranti <i>Manufacture of computers and peripheral equipment</i>	55.5	57.7	70.6	77.7	53.6	76.9	62.1	68.6	78.5
263	Pembuatan peralatan komunikasi <i>Manufacture of communication equipment</i>	75.2	75.6	75.7	77.2	78.2	79.6	74.8	79.7	79.1
264	Pembuatan peralatan elektronik pengguna <i>Manufacture of consumer electronics</i>	89.3	82.2	80.8	67.8	69.4	73.6	73.8	73.1	76.9
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam <i>Manufacture of measuring, testing, navigating and control equipment; watches and clocks</i>	68.1	66.6	63.4	70.2	72.2	84.8	79.3	76.8	85.4
266	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik <i>Manufacture of irradiation, electromedical and electrotherapeutic equipment</i>	71.9	71.2	75.7	78.9	77.9	87.1	82.6	76.7	85.4
267 & 268	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal <i>Manufacture of optical instruments, photographic equipment, magnetic and optical media</i>	86.1	80.3	79.2	88.4	69.7	89.3	83.8	76.7	76.1
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik <i>Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus</i>	80.3	86.2	86.0	85.2	78.6	82.8	80.7	78.1	84.1
272	Pembuatan bateri dan akumulator <i>Manufacture of batteries and accumulators</i>	90.8	90.7	66.5	68.5	68.3	93.9	95.1	83.4	85.4
273	Pembuatan pendawaian dan peranti pendawaian <i>Manufacture of wiring and wiring devices</i>	76.2	78.2	78.5	82.6	74.0	84.2	82.5	79.8	82.1
274	Pembuatan kelengkapan pencahayaan elektrik <i>Manufacture of electric lighting equipment</i>	72.8	73.6	75.8	70.0	79.8	82.8	69.8	73.9	78.4
275	Pembuatan perkakasan domestik <i>Manufacture of domestic appliances</i>	84.3	82.1	78.5	88.1	81.3	80.8	73.0	69.1	78.2
279	Pembuatan kelengkapan elektrik lain <i>Manufacture of other electrical equipment</i>	86.1	88.2	89.0	86.6	88.9	94.2	87.4	86.4	88.3
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas <i>Manufacture of general-purpose and special-purpose machinery</i>	78.5	79.8	76.9	81.8	79.7	83.5	84.3	79.3	83.2
291	Pembuatan kenderaan bermotor <i>Manufacture of motor vehicles</i>	82.8	74.5	73.1	76.1	89.2	82.7	76.0	79.0	77.0
292	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler <i>Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers</i>	74.2	72.5	74.3	71.4	51.3	62.4	79.7	87.8	83.8
293	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor <i>Manufacture of parts and accessories for motor vehicles</i>	83.3	77.4	78.4	80.3	81.3	89.7	86.6	86.6	90.5
301	Pembinaan kapal dan bot <i>Building of ships and boats</i>	68.6	71.1	66.8	77.1	67.7	82.5	72.4	71.7	82.7
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. <i>Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c.</i>	70.7	71.9	68.9	78.4	78.3	86.8	85.1	84.3	84.3

2023																	
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
83.5	89.5	89.5	80.9	79.9	79.3	62.6	55.9	63.8	76.1	70.5	75.6	81.1	81.4	81.8	81.6	87.3	88.7
82.6	80.9	79.4	79.8	78.5	78.6	74.9	81.7	82.9	80.9	80.6	82.6	81.5	84.2	85.3	85.6	85.7	85.7
79.6	77.7	76.3	78.5	79.7	75.5	74.0	80.1	83.1	81.5	78.2	77.8	77.6	81.2	81.5	81.0	83.2	81.5
80.9	82.1	77.1	71.3	73.5	71.5	73.3	75.8	81.6	71.6	75.3	77.2	77.5	77.4	80.3	80.3	79.6	76.4
75.9	75.8	78.8	73.5	72.5	72.6	77.8	81.2	82.3	74.4	74.6	76.6	73.3	75.4	71.9	70.6	71.0	75.5
76.3	76.6	77.8	80.9	79.2	75.0	91.7	92.5	93.1	91.8	92.5	85.5	85.0	85.0	85.8	92.4	92.9	92.5
77.4	76.2	77.5	79.2	78.2	79.2	77.9	77.4	78.8	73.9	77.8	78.5	78.5	80.1	80.3	81.7	81.3	82.2
85.8	86.2	88.2	83.8	85.6	83.9	82.8	81.3	82.1	79.8	82.5	83.9	80.3	79.9	82.9	78.7	78.4	78.6
77.3	75.1	76.6	59.1	56.9	81.9	55.7	60.6	66.1	54.5	57.0	58.3	58.4	60.6	59.0	75.4	75.8	58.9
76.6	66.1	84.1	75.4	77.5	83.5	79.8	81.6	80.1	78.3	81.4	82.0	82.7	82.2	88.7	81.8	82.8	73.9
71.9	66.7	70.4	70.1	71.1	71.2	78.0	79.5	78.9	83.2	81.3	86.1	80.8	82.3	84.0	82.5	82.2	76.1
82.6	87.6	86.9	85.5	83.4	81.8	74.9	79.8	79.8	69.8	79.8	76.8	75.5	78.4	87.9	83.9	82.7	79.0
69.5	87.9	84.6	87.3	79.0	83.6	86.9	85.5	86.6	93.1	89.9	90.8	91.8	93.0	86.5	89.3	88.7	85.1
88.8	89.5	88.0	83.6	88.4	89.3	87.1	81.9	91.5	79.9	88.8	83.4	83.9	87.6	88.5	91.6	77.3	75.1
84.8	85.7	83.1	80.6	84.3	87.4	83.7	84.1	85.2	76.7	80.8	80.6	79.7	81.7	79.3	78.0	84.0	79.1
87.1	79.5	77.3	65.3	74.3	94.0	62.1	72.4	66.5	74.7	75.9	90.9	78.6	84.6	81.8	83.2	82.2	84.0
81.3	81.8	80.8	78.3	77.6	77.8	80.1	84.3	85.2	80.5	84.3	79.4	82.8	82.7	82.7	83.4	82.5	83.2
77.2	81.6	78.3	78.8	71.8	83.0	72.5	76.3	81.4	73.0	83.6	87.0	87.1	85.9	85.3	90.9	86.9	84.7
91.7	92.4	88.1	90.3	89.5	90.2	89.6	82.5	84.6	74.0	78.0	84.9	86.0	95.4	90.5	86.3	76.8	68.2
90.2	93.4	88.8	88.2	80.8	88.0	64.0	72.0	77.7	64.2	68.4	66.4	61.8	64.1	79.3	83.2	86.5	76.7
84.6	84.6	81.4	78.7	80.0	81.7	76.9	78.0	82.9	83.2	85.4	83.6	82.7	86.1	84.1	83.2	85.0	84.3
76.4	86.6	90.6	81.2	85.5	61.0	83.6	87.3	91.0	71.5	91.3	87.6	83.8	84.5	81.8	84.4	83.2	84.3
71.1	83.4	83.3	87.3	89.2	71.9	62.6	71.2	68.8	69.2	61.4	71.9	84.6	86.6	71.9	85.5	68.3	68.7
88.8	88.8	90.6	87.2	90.9	89.8	84.4	84.7	87.3	79.2	86.4	78.1	77.8	80.3	80.7	77.5	80.7	79.3
80.5	87.8	54.7	66.3	61.4	93.7	67.8	71.3	65.9	71.3	64.6	71.5	59.1	65.1	71.8	77.7	81.5	82.4
84.1	87.8	86.1	84.7	87.0	87.2	85.3	83.9	92.3	80.4	80.3	85.3	91.3	89.4	89.4	85.2	85.1	83.9

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan <i>Group Code</i>	Keterangan Kumpulan <i>Group Description</i>	2017									
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	
310	Pembuatan perabot <i>Manufacture of furniture</i>	81.7	80.9	83.6	79.2	82.0	79.5	79.8	82.3	81.6	
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	82.5	69.3	76.8	75.0	73.9	81.0	74.6	81.5	80.7	
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	74.4	73.6	73.9	73.9	73.8	73.0	74.6	73.9	71.5	
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	68.4	74.7	69.1	76.7	75.2	78.4	76.9	78.3	78.7	
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	75.0	66.1	67.7	65.4	67.3	66.1	67.3	64.5	52.9	
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	77.4	83.0	80.8	76.6	82.9	82.0	84.3	83.5	81.6	
	Malaysia	79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3	79.8	

2018														
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
81.8	83.2	81.6	80.5	78.6	80.6	79.5	80.7	80.4	80.5	79.7	78.8	80.1	80.3	80.3
74.7	70.1	73.7	80.9	77.0	73.1	78.2	77.1	72.6	68.9	78.0	68.9	75.6	80.3	76.0
73.7	69.8	73.3	69.1	66.5	66.4	68.1	68.5	66.5	69.7	69.5	68.4	67.8	73.6	68.8
79.0	67.4	80.4	69.3	73.5	75.6	77.1	73.5	74.2	74.5	73.0	71.7	74.0	74.9	76.8
62.8	56.7	61.4	64.1	58.2	54.6	67.7	69.1	68.0	72.4	75.9	75.1	73.8	89.7	70.5
83.1	84.6	75.8	81.3	82.9	81.2	74.3	71.8	74.9	76.5	75.5	76.6	76.3	73.6	74.5
79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6	80.7	78.9	77.8	78.1	78.3	78.5

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan <i>Group Code</i>	Keterangan Kumpulan <i>Group Description</i>	2019								
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
310	Pembuatan perabot <i>Manufacture of furniture</i>	81.5	78.0	80.7	78.3	78.3	78.3	80.2	79.2	79.4
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	83.5	65.1	71.8	77.8	79.0	77.5	74.6	76.0	75.2
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	71.9	69.4	72.0	74.3	74.4	70.4	72.0	77.6	74.2
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	76.0	74.0	74.3	74.8	74.1	72.5	72.3	71.9	73.4
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	67.5	68.3	73.7	69.6	82.2	75.6	82.5	80.5	75.0
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	66.9	70.4	69.5	68.0	69.9	70.0	71.7	70.3	71.4
Malaysia		76.6	75.8	76.1	77.0	78.2	77.9	79.4	78.4	78.4

2020														
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
81.2	81.3	82.3	80.1	79.1	68.6	29.7	57.4	66.6	69.2	73.3	75.9	76.0	74.8	75.8
79.1	80.8	78.9	75.6	72.3	51.9	37.7	55.9	68.4	68.5	77.6	77.2	74.8	77.0	77.2
67.5	72.0	68.7	82.1	79.6	62.3	50.2	68.3	77.2	80.4	79.1	79.8	76.8	74.3	77.2
72.6	71.8	74.3	78.3	74.6	60.7	47.6	67.1	75.8	75.1	74.5	76.4	74.2	73.9	79.2
61.9	72.2	66.1	84.4	78.1	51.4	60.0	66.9	80.2	82.5	86.5	86.1	78.1	72.2	64.4
69.7	77.1	70.4	72.7	70.8	68.0	56.7	66.0	75.7	70.9	74.4	74.6	73.5	71.7	71.5
78.8	79.1	78.4	74.6	74.7	64.4	47.7	63.9	70.9	72.2	72.4	74.4	75.1	72.8	74.5

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan <i>Group Code</i>	Keterangan Kumpulan <i>Group Description</i>	2021								
		Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
310	Pembuatan perabot <i>Manufacture of furniture</i>	74.7	73.2	74.2	72.9	69.8	59.9	59.5	61.5	70.0
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	75.5	70.6	69.9	71.7	68.2	75.9	62.5	60.4	61.2
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	75.3	75.6	78.7	77.3	75.5	64.5	70.4	72.3	75.8
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	76.5	75.1	78.5	81.8	78.0	68.3	71.8	70.1	70.1
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	61.6	62.1	69.1	60.8	59.4	27.0	42.1	45.5	61.5
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	78.4	72.1	70.5	72.0	70.7	67.7	62.6	67.7	70.4
Malaysia		76.5	75.8	77.7	76.9	76.1	70.0	67.6	68.5	72.7

2022												2023					
Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac
74.8	75.7	76.7	83.9	80.4	85.2	84.7	81.9	85.0	85.1	85.8	84.5	85.7	82.8	80.6	78.4	79.7	82.7
64.8	69.1	68.9	84.5	61.2	83.9	67.9	80.1	84.4	77.9	85.0	82.6	87.2	81.1	81.0	89.9	79.8	89.3
79.6	79.1	77.1	83.1	85.3	82.6	82.1	85.8	84.4	85.6	82.4	82.3	77.8	83.2	83.3	84.2	87.0	86.8
74.3	75.1	77.5	89.3	93.7	92.7	93.5	93.9	97.3	95.3	85.3	83.4	82.2	85.0	86.5	97.9	98.4	99.3
72.8	71.5	56.6	75.5	78.9	72.7	74.3	77.8	77.6	79.7	79.5	81.6	66.0	75.9	67.0	74.2	77.4	81.4
72.5	71.5	73.5	81.8	82.4	85.1	71.2	84.9	84.6	77.8	80.8	79.1	68.1	80.2	70.7	82.7	82.5	85.9
74.5	75.2	75.7	81.3	80.2	81.7	80.4	77.4	79.1	80.9	81.2	81.7	80.1	80.4	80.2	79.3	79.2	80.8

2c Kapasiti Penggunaan Industri Pembuatan mengikut Kumpulan - Bulanan

Manufacturing Industry Capacity Utilisation by Group - Monthly

Kod Kumpulan <i>Group Code</i>	Keterangan Kumpulan <i>Group Description</i>	2023									
		Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
310	Pembuatan perabot <i>Manufacture of furniture</i>	79.8	80.2	78.0	77.2	78.5	78.6	86.1	87.5	88.2	
321	Pembuatan barang kemas, <i>bijouterie</i> dan artikel berkaitan <i>Manufacture of jewellery, bijouterie and related articles</i>	85.6	91.6	82.2	89.0	79.5	81.5	82.8	89.9	89.7	
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l. <i>Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.</i>	81.0	83.6	78.3	78.4	83.4	84.4	87.4	84.8	80.9	
323	Pembuatan barangan sukan <i>Manufacture of sports goods</i>	83.7	83.8	95.2	94.6	92.4	85.1	96.3	78.6	72.0	
324	Pembuatan permainan dan mainan <i>Manufacture of games and toys</i>	73.7	82.5	72.9	71.5	69.1	72.5	72.2	87.4	68.5	
331 & 332	Pembaikan pemasangan produk logam, jentera dan kelengkapan serta pemasangan jentera perindustrian dan kelengkapan <i>Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment</i>	72.2	72.3	80.8	82.9	81.7	82.3	85.6	85.1	84.0	
	Malaysia	76.5	79.0	79.2	78.6	79.6	80.1	80.4	80.1	78.9	

3a Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik -Tahunan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industries and Domestic-Oriented Industries - Yearly

Bil. No.	Kod Codes	Keterangan Description	2017	2018	2019	2020	2021	2022	2023
	C	PEMBUATAN MANUFACTURING	79.2	79.1	77.8	69.8	73.9	80.4	79.3
1.		Industri Berorientasikan Eksport Export-Oriented Industries	81.2	80.4	78.5	70.4	75.5	80.4	78.3
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	76.0	78.7	71.3	71.1	74.9	67.4	72.4
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	71.3	69.1	69.1	65.7	73.7	85.5	76.5
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	84.2	87.4	87.0	70.9	76.2	74.1	81.4
1.4	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>	75.1	75.4	73.9	67.6	68.9	72.6	70.5
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	86.9	84.4	80.3	63.0	70.8	81.6	76.5
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	78.6	82.3	81.1	76.3	80.2	80.1	80.8
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.3	80.1	80.3	81.9	79.1	79.4	77.3
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	77.7	77.6	76.5	74.4	74.1	80.5	79.9
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	80.7	78.9	77.1	70.5	76.9	80.1	78.6
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	80.9	80.6	80.3	71.8	77.1	82.8	80.3
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	76.0	76.4	75.5	71.9	74.3	81.7	83.3
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	81.4	80.0	79.9	68.8	70.2	83.8	81.2
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	74.2	76.1	76.1	68.2	69.9	80.3	81.4
2.1	10 (Kecuali 104)	Pembuatan produk prosesan makanan <i>Manufacture of food processing products</i>	76.5	75.4	75.0	75.4	75.2	80.9	82.5
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	67.3	71.9	71.4	65.3	67.3	81.5	80.0
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	73.0	65.3	76.9	59.7	61.4	84.2	89.3
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	81.0	81.8	79.2	70.6	71.2	89.9	83.0
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	78.2	81.0	79.1	73.9	74.2	79.3	77.5
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	77.0	76.4	77.1	69.8	70.9	82.0	83.3
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	72.4	74.6	73.3	73.7	72.4	80.0	82.5
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	72.4	72.7	72.1	64.1	67.9	80.1	81.7
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	77.8	77.1	75.7	68.0	68.7	77.2	78.8
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	73.8	77.1	75.8	70.8	71.1	80.1	81.3
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	70.6	77.9	78.9	64.9	69.0	83.0	82.8
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	77.7	74.8	78.5	69.6	72.0	81.3	80.3
2.13	32	Pembuatan lain <i>Other manufacturing</i>	76.6	73.9	76.3	72.6	71.9	76.9	81.0
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	77.9	75.8	74.3	72.7	72.2	78.6	82.1

3b Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik -Suku Tahunan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industries and Domestic-Oriented Industries - Quarterly

Bil. No.	Kod Codes	Keterangan Description	2017				2018			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	C	PEMBUATAN MANUFACTURING	79.1	77.7	80.1	80.0	79.7	79.4	79.1	78.3
1.		Industri Berorientasikan Eksport Export-Oriented Industries	81.0	79.3	82.5	82.2	81.2	80.7	80.4	79.2
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	68.2	79.1	78.0	78.9	76.8	75.6	78.6	83.9
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	73.9	65.7	73.3	72.4	64.3	75.6	68.3	68.3
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	83.0	81.2	85.3	87.4	87.4	87.5	87.4	87.5
1.4	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>	75.1	73.9	74.5	76.7	74.4	74.7	76.1	76.2
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	88.6	82.8	87.8	88.4	85.8	85.9	81.8	83.9
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	78.2	77.4	79.4	79.5	84.0	81.0	82.2	82.0
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.4	81.6	82.3	83.1	81.2	79.4	80.0	79.9
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	76.4	76.9	79.4	78.0	77.8	77.5	78.5	76.6
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	79.5	79.0	82.8	81.5	79.2	79.0	80.6	76.6
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	79.7	80.4	82.5	81.2	81.3	82.0	79.5	79.8
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	77.9	76.2	74.4	75.5	79.2	76.4	75.6	74.4
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	82.1	80.3	81.3	82.2	79.9	80.2	79.7	80.2
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	74.2	73.6	74.1	74.8	75.9	76.5	76.0	76.2
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	76.6	77.4	76.0	76.0	75.6	75.5	73.9	76.5
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	64.6	69.2	72.6	62.7	63.9	73.0	77.0	73.5
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	80.0	78.5	77.2	56.2	62.4	66.3	66.6	66.0
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	83.7	81.3	79.7	79.3	80.6	83.9	83.5	79.4
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.7	78.1	78.1	78.8	81.2	80.7	81.2	80.7
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	74.6	79.0	79.1	75.4	74.9	79.2	78.7	72.8
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	69.3	71.2	72.5	76.5	74.8	72.9	76.0	74.6
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	73.5	71.6	71.3	73.1	72.7	72.4	73.8	72.1
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	78.3	75.0	79.0	79.0	77.4	76.6	77.6	76.8
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	73.3	73.3	73.3	75.3	77.1	76.7	77.2	77.3
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	70.1	70.8	69.0	72.4	77.9	80.6	74.7	78.3
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	79.8	74.1	77.8	79.1	75.2	73.0	73.1	77.9
2.13	32	Pembuatan lain <i>Other manufacturing</i>	77.6	76.2	77.5	75.0	74.3	73.7	73.0	74.6
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	76.2	78.3	78.1	79.0	78.9	75.4	76.6	72.3

2019				2020				2021			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
76.1	77.7	78.8	78.7	71.2	60.8	73.0	74.1	76.7	74.3	69.6	75.1
76.3	78.4	79.8	79.6	71.7	62.0	73.4	74.7	77.6	76.9	72.1	75.7
72.9	73.8	71.6	66.8	71.7	78.7	71.5	62.4	73.4	76.6	80.7	68.8
69.3	68.6	69.1	69.4	71.7	54.1	68.3	68.7	78.4	75.7	68.2	72.4
85.3	87.0	87.6	88.3	75.8	60.8	72.1	74.8	78.5	76.4	70.8	79.2
74.8	74.4	73.3	73.0	67.3	62.4	70.3	70.1	69.0	68.3	66.6	71.7
74.4	79.8	83.5	83.7	65.7	50.9	67.0	68.3	78.7	77.3	64.2	63.2
79.8	82.2	80.6	81.8	76.1	71.6	77.9	79.5	81.8	78.8	78.2	81.9
79.5	79.9	80.5	81.1	80.9	80.0	82.9	83.9	81.3	80.5	73.6	81.1
75.4	77.1	76.2	77.4	74.0	69.7	76.5	77.5	76.2	73.2	70.9	76.3
75.3	76.8	79.0	77.5	71.7	61.4	73.7	75.1	76.1	77.7	75.1	78.7
80.9	79.6	79.8	80.7	73.2	63.4	76.0	74.5	76.6	76.7	73.5	81.7
74.6	75.6	75.0	76.6	70.7	65.1	73.0	78.9	77.5	71.4	69.6	78.7
80.1	78.3	79.6	81.6	75.9	51.2	72.8	75.5	74.0	67.6	63.7	75.7
75.7	75.9	76.3	76.5	70.2	57.9	72.0	72.7	74.5	67.8	63.5	73.8
75.2	75.6	75.1	74.2	73.8	73.4	76.8	77.7	76.1	76.0	75.3	73.5
67.6	70.1	71.6	76.4	68.0	54.5	67.5	71.2	66.9	62.7	64.1	75.5
78.1	77.4	77.2	74.8	66.8	47.9	70.4	53.6	80.3	55.1	32.1	77.9
75.9	79.2	79.8	82.1	72.4	61.5	72.8	75.7	73.2	71.4	66.9	73.4
78.2	79.1	78.7	80.2	74.4	68.4	75.7	77.1	77.6	75.3	70.4	73.3
75.5	78.6	78.2	75.9	73.8	62.9	72.6	70.1	74.4	69.4	65.1	74.5
72.9	75.0	74.5	70.6	73.0	70.5	76.0	75.1	72.9	71.2	74.4	71.2
71.8	71.6	72.0	72.9	64.4	53.3	69.1	69.7	71.4	65.8	63.6	70.9
73.3	75.6	77.5	76.5	69.0	60.3	70.5	72.2	72.2	65.4	64.6	72.8
76.2	75.8	75.5	75.5	72.2	61.9	74.7	74.5	75.5	69.7	66.2	72.9
80.1	77.6	78.5	79.4	68.8	46.5	71.4	72.9	77.8	64.9	55.2	77.9
79.8	79.6	78.5	76.0	76.0	60.2	68.8	73.4	72.8	73.1	69.4	72.4
75.1	77.4	76.0	76.6	72.0	65.9	77.0	75.6	75.0	71.8	68.1	72.8
71.5	72.4	74.6	78.7	73.7	66.0	75.6	75.3	76.0	71.5	66.4	74.8

3b Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik -Suku Tahunan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industries and Domestic-Oriented Industries - Quarterly

Bil. No.	Kod Codes	Keterangan Description	2022				2023			
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
	C	PEMBUATAN MANUFACTURING	81.1	79.0	81.3	80.2	79.8	78.2	79.4	79.8
1.		Industri Berorientasikan Eksport Export-Oriented Industries	81.3	78.6	81.2	80.5	79.3	77.3	78.4	78.4
1.1	104	Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	64.7	65.8	69.1	70.3	65.9	70.2	76.6	76.8
1.2	13	Pembuatan tekstil <i>Manufacture of textiles</i>	86.6	83.0	87.7	84.6	74.9	77.4	76.8	76.9
1.3	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	73.3	78.4	74.2	70.6	78.5	81.7	82.2	83.3
1.4	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>	72.6	73.5	73.5	70.8	68.4	69.3	71.8	72.5
1.5	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	84.4	74.7	81.6	85.7	82.2	73.4	74.2	76.1
1.6	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	81.0	80.1	79.9	79.5	80.0	81.3	82.2	79.8
1.7	221	Pembuatan produk getah <i>Manufacture of rubber products</i>	82.1	81.4	77.6	76.5	77.5	77.8	77.9	76.1
1.8	222	Pembuatan produk plastik <i>Manufacture of plastic products</i>	80.0	79.7	81.4	80.7	80.4	78.7	79.6	80.8
1.9	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	80.4	79.1	81.7	79.2	78.4	78.9	79.0	78.2
1.10	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	82.2	80.8	85.2	82.9	81.0	77.9	81.5	81.0
1.11	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	81.7	82.3	83.1	79.8	79.9	84.4	84.4	84.3
1.12	31	Pembuatan perabot <i>Manufacture of furniture</i>	83.1	83.9	85.1	83.0	80.3	79.3	78.1	87.3
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	80.5	79.9	81.4	79.5	80.9	80.2	81.7	82.8
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	79.1	78.8	83.9	81.9	83.8	80.6	83.2	82.7
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	83.2	80.5	81.8	80.7	77.9	80.3	80.2	81.7
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	98.2	91.7	68.8	77.8	93.6	89.5	84.4	89.8
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	87.7	86.9	92.4	92.8	86.1	84.0	80.1	81.9
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	82.7	79.3	78.4	76.6	77.3	76.6	77.7	78.7
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	78.0	82.8	84.5	82.8	81.5	83.3	83.4	84.9
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	76.7	79.8	86.4	77.0	82.8	81.0	83.3	83.0
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	78.9	80.6	81.8	79.1	77.4	80.4	83.4	85.7
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	78.2	76.4	78.6	75.7	78.4	77.5	79.0	80.3
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	80.7	79.3	79.5	80.9	80.6	79.7	81.7	83.1
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	82.6	81.6	86.3	81.3	86.1	82.0	81.6	81.5
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	78.1	82.0	82.3	82.8	80.0	78.8	79.8	82.9
2.13	32	Pembuatan lain <i>Other manufacturing</i>	75.9	75.9	77.9	77.8	80.6	79.3	81.5	82.5
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	82.3	76.1	80.2	75.7	82.8	79.0	82.4	84.2

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik -Bulanan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industries and Domestic-Oriented Industries - Monthly

Bil. No.	Kod Codes	Keterangan Description	2017								
			Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
1.	C	PEMBUATAN MANUFACTURING	79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3	79.8
		Industri Berorientasikan Eksport Export-Oriented Industries	81.1	80.7	81.3	77.5	79.4	81.0	82.0	82.7	82.7
	1.1	104 Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	65.7	66.9	72.1	81.5	79.5	76.1	77.7	77.8	78.6
	1.2	13 Pembuatan tekstil <i>Manufacture of textiles</i>	70.9	73.7	77.1	68.1	66.1	62.8	65.3	75.3	79.4
	1.3	14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	84.7	79.7	84.7	84.6	83.7	75.4	85.0	85.5	85.4
	1.4	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>	76.0	74.0	75.4	75.2	75.5	71.0	74.9	75.0	73.7
	1.5	19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	90.0	89.4	86.2	76.1	81.8	90.7	90.8	88.3	84.4
	1.6	20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	79.4	77.2	77.9	75.7	75.5	81.1	78.9	78.5	80.9
	1.7	221 Pembuatan produk getah <i>Manufacture of rubber products</i>	82.1	82.1	82.9	82.3	80.9	81.5	82.6	82.4	81.9
	1.8	222 Pembuatan produk plastik <i>Manufacture of plastic products</i>	75.7	75.9	77.5	76.6	76.6	77.3	78.9	80.2	79.2
	1.9	26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	78.5	79.0	81.0	78.2	80.1	78.9	80.5	83.1	84.9
	1.10	27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	80.2	79.4	79.6	80.6	81.2	79.3	83.2	82.8	81.4
	1.11	28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	78.3	76.2	79.3	78.2	77.2	73.1	74.4	75.1	73.8
	1.12	31 Pembuatan perabot <i>Manufacture of furniture</i>	81.7	80.9	83.6	79.2	82.0	79.5	79.8	82.3	81.6
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	75.2	73.1	74.3	73.4	74.6	72.8	75.3	74.3	72.7
	2.1	10 (Kecuali 104) Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	77.1	76.8	76.0	78.0	78.0	76.3	75.6	76.3	76.0
	2.2	11 Pembuatan minuman <i>Manufacture of beverages</i>	69.6	61.4	62.7	64.1	74.8	68.6	76.0	72.5	69.2
	2.3	12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	70.9	84.5	84.6	84.3	75.7	75.6	80.1	71.0	80.5
	2.4	15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	83.9	82.3	84.8	82.7	80.9	80.4	79.8	81.4	77.7
	2.5	17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	77.6	77.1	78.3	79.1	80.3	74.9	80.1	77.0	77.2
	2.6	18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	74.6	74.5	74.5	82.5	75.8	78.8	78.5	82.6	76.3
	2.7	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	72.9	64.3	70.6	74.2	69.0	70.4	72.0	73.4	72.2
	2.8	23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	76.3	72.8	71.5	72.6	70.6	71.6	71.4	71.7	70.7
	2.9	24 Pembuatan logam asas <i>Manufacture of basic metals</i>	78.9	74.4	81.7	75.8	77.7	71.6	80.1	81.7	75.2
	2.10	25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	72.2	73.9	73.7	73.2	74.7	72.0	74.3	73.4	72.4
	2.11	29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	71.3	68.3	70.8	66.8	72.2	73.4	72.2	67.7	67.0
	2.12	30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	84.6	81.9	73.0	76.9	75.3	70.2	77.3	76.9	79.1
	2.13	32 Pembuatan lain <i>Other manufacturing</i>	80.9	74.2	77.7	76.0	75.5	77.0	76.2	78.5	77.8
	2.14	33 Membaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	75.4	76.7	76.6	77.4	79.7	77.6	78.3	78.7	77.3

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik -Bulanan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industries and Domestic-Oriented Industries - Monthly

Bil. No.	Kod Codes	Keterangan Description	2017		2018							
			Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	
1.	C	PEMBUATAN MANUFACTURING	79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6	
		Industri Berorientasikan Eksport Export-Oriented Industries	82.5	82.3	81.7	81.4	79.3	82.8	80.8	81.2	80.0	
	1.1	104 Pembuatan minyak dan lemak daripada sayuran dan haiwan Manufacture of vegetable and animal oils and fats	81.8	75.3	79.4	80.6	69.5	80.3	81.0	76.0	69.7	
	1.2	13 Pembuatan tekstil Manufacture of textiles	74.9	68.5	73.9	69.0	61.5	62.2	69.5	69.5	87.9	
	1.3	14 Pembuatan pakaian Manufacture of wearing apparel	86.7	87.0	88.4	87.6	85.6	88.9	88.0	88.3	86.0	
	1.4	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	77.4	75.7	76.9	76.1	70.2	77.1	75.6	75.4	73.2	
	1.5	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	87.2	89.5	88.5	88.6	84.1	84.8	86.2	85.2	86.4	
	1.6	20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical product	81.5	77.9	79.1	84.2	84.4	83.4	80.2	83.3	79.4	
	1.7	221 Pembuatan produk getah Manufacture of rubber products	83.5	82.9	82.8	82.3	79.8	81.7	79.9	79.6	78.6	
	1.8	222 Pembuatan produk plastik Manufacture of plastic products	78.5	78.3	77.3	78.2	77.1	78.1	78.9	77.6	76.0	
	1.9	26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	82.2	81.9	80.5	77.7	76.4	83.5	78.9	79.9	78.2	
	1.10	27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	82.1	81.2	80.4	81.7	80.2	82.0	83.3	82.2	80.5	
	1.11	28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	74.8	76.2	75.4	77.8	77.3	82.5	79.0	76.7	73.5	
	1.12	31 Pembuatan perabot Manufacture of furniture	81.8	83.2	81.6	80.5	78.6	80.6	79.5	80.7	80.4	
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	72.8	75.9	75.6	77.4	73.5	76.9	77.1	77.1	75.2	
2.1	10 (Kecuali 104)	Pembuatan produk prosesan makanan Manufacture of food processing products	77.8	75.4	74.6	75.4	72.6	78.7	78.5	74.2	73.7	
2.2	11	Pembuatan minuman Manufacture of beverages	60.9	65.1	62.2	68.0	56.0	67.8	76.1	75.2	67.7	
2.3	12	Pembuatan produk tembakau Manufacture of tobacco products	53.6	53.0	62.1	56.1	67.2	63.8	65.6	66.4	66.7	
2.4	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	79.5	78.8	79.5	80.5	78.4	83.0	83.2	82.7	85.7	
2.5	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	79.0	79.5	78.0	83.1	79.2	81.2	81.9	81.4	78.9	
2.6	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	77.0	75.4	73.7	72.6	72.5	79.6	76.5	81.1	79.9	
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical, medicinal chemical and botanical products	76.0	79.9	73.7	75.6	73.8	75.0	72.2	71.8	74.6	
2.8	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	72.6	74.2	72.5	74.2	69.6	74.5	73.8	72.7	70.7	
2.9	24	Pembuatan logam asas Manufacture of basic metals	78.9	79.6	78.5	78.7	73.7	79.9	78.8	77.7	73.4	
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	74.5	74.8	76.6	78.0	75.4	77.8	77.7	76.6	75.9	
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	64.1	76.3	76.7	79.9	74.3	79.6	80.9	80.6	80.3	
2.12	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	77.9	80.0	79.5	79.9	77.8	67.8	68.5	77.6	72.8	
2.13	32	Pembuatan lain Other manufacturing	75.7	74.0	75.4	77.0	73.4	72.4	74.7	74.5	71.8	
2.14	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	79.5	80.0	77.5	79.6	78.8	78.3	75.5	75.1	75.7	

2019														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
80.7	78.9	77.8	78.1	78.3	78.5	76.6	75.8	76.1	77.0	78.2	77.9	79.4	78.4	78.4
81.7	80.0	79.6	78.7	79.2	79.6	76.8	76.2	76.0	76.8	78.8	79.5	80.5	79.4	79.4
78.8	79.5	77.5	85.9	84.1	81.6	67.7	80.1	70.9	71.7	79.2	70.3	71.3	71.6	71.8
69.1	69.9	66.0	70.9	65.7	68.3	69.8	68.4	69.9	69.9	67.9	68.1	69.2	69.2	69.0
89.1	87.4	85.8	88.3	86.2	87.9	86.5	82.1	87.1	86.7	88.3	86.0	89.1	87.6	86.1
76.3	76.1	76.0	76.1	76.1	76.5	76.5	71.6	76.4	76.7	74.6	72.0	72.9	74.4	72.5
85.8	79.6	80.0	76.4	87.0	88.2	73.8	77.4	71.9	72.8	80.0	86.5	83.4	82.4	84.8
83.4	81.7	81.6	82.2	82.2	81.6	79.3	82.0	77.9	80.7	83.8	82.0	81.1	79.0	81.7
80.2	80.0	79.8	80.6	79.4	79.6	79.9	79.1	79.6	79.0	80.4	80.4	80.6	81.2	79.7
80.1	78.9	76.3	77.6	75.8	76.3	76.5	73.6	76.0	78.1	78.2	74.9	77.4	76.0	75.4
81.0	80.8	80.1	78.8	75.5	75.5	76.5	73.6	75.8	76.4	76.8	77.1	80.4	79.2	77.3
79.9	79.3	79.3	81.0	79.2	79.1	81.2	80.1	81.4	81.1	80.9	76.8	79.9	79.5	80.1
76.6	74.8	75.5	75.7	73.1	74.3	74.0	73.2	76.7	76.7	75.6	74.7	76.1	74.0	75.1
80.5	79.7	78.8	80.1	80.3	80.3	81.5	78.0	80.7	78.3	78.3	78.3	80.2	79.2	79.4
78.1	76.2	73.6	76.7	75.9	75.8	76.1	74.7	76.4	77.4	76.5	73.7	76.8	76.1	75.9
72.9	72.8	75.9	77.5	76.0	76.0	74.3	74.3	77.1	77.4	76.2	73.2	75.6	74.4	75.1
81.7	80.7	68.6	74.8	69.7	76.0	74.3	63.4	65.2	71.6	72.7	66.1	68.8	72.6	73.5
66.8	66.0	67.0	66.0	65.5	66.4	77.6	77.3	79.2	90.0	69.8	72.5	74.4	80.9	76.4
86.4	84.0	80.0	80.0	79.5	78.5	74.5	75.0	78.1	79.8	80.0	77.9	79.8	80.3	79.1
81.6	81.6	80.5	81.6	79.8	80.8	78.9	75.8	79.9	80.4	81.5	75.4	79.2	78.1	78.8
81.3	80.2	74.6	74.8	69.7	74.0	75.1	75.4	76.0	80.0	77.8	78.2	77.6	80.5	76.6
79.5	75.9	72.6	75.4	73.1	75.4	75.8	71.7	71.4	76.1	75.4	73.6	76.1	75.7	71.9
74.4	73.8	73.2	72.9	72.3	71.0	72.6	69.1	73.5	73.9	72.2	68.8	73.4	72.6	70.0
79.6	77.2	76.1	79.3	73.7	77.6	74.6	70.1	75.1	77.4	77.9	71.5	77.2	78.3	76.9
77.0	77.5	77.2	78.0	77.3	76.8	78.2	74.2	76.2	77.6	75.4	74.5	76.1	75.2	75.1
82.6	73.9	67.7	78.0	80.7	76.1	76.2	83.8	80.5	77.8	77.8	77.2	79.4	76.8	79.4
71.3	76.0	72.1	73.8	79.3	80.4	80.9	78.1	80.4	80.8	81.0	76.9	81.1	77.9	76.7
71.9	75.6	71.6	73.9	76.3	73.4	79.5	71.1	74.8	78.0	78.9	75.3	75.7	75.4	77.0
77.5	76.4	76.0	74.5	68.9	73.5	69.8	73.0	71.7	72.5	72.6	72.0	74.8	73.7	75.2

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik -Bulanan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industries and Domestic-Oriented Industries - Monthly

Bil. No.	Kod Codes	Keterangan Description	2019		2020						
			Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
1.	C	PEMBUATAN MANUFACTURING	78.8	79.1	78.4	74.6	74.7	64.4	47.7	63.9	70.9
		Industri Berorientasikan Eksport Export-Oriented Industries	79.4	79.9	79.7	74.6	75.3	65.0	48.9	65.3	71.7
	1.1	104 Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	68.6	66.4	65.4	65.7	68.6	80.8	76.8	79.8	79.6
	1.2	13 Pembuatan tekstil <i>Manufacture of textiles</i>	69.9	69.9	68.2	76.0	74.4	64.8	39.0	56.1	67.3
	1.3	14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	86.6	87.5	90.8	78.4	79.9	69.1	52.4	59.7	70.3
	1.4	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>	74.5	72.8	71.7	70.9	71.5	59.6	55.0	61.6	70.6
	1.5	19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	81.6	85.6	83.8	67.5	69.2	60.3	32.0	54.2	66.6
	1.6	20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	81.4	82.6	81.4	78.1	79.3	70.8	62.8	76.5	75.6
	1.7	221 Pembuatan produk getah <i>Manufacture of rubber products</i>	80.6	81.2	81.6	82.7	82.4	77.7	80.1	78.1	81.7
	1.8	222 Pembuatan produk plastik <i>Manufacture of plastic products</i>	77.0	77.9	77.5	78.2	76.4	67.3	61.2	71.5	76.6
	1.9	26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	78.2	76.6	77.8	75.0	76.1	64.2	47.9	65.1	71.3
	1.10	27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	81.5	80.8	79.8	78.9	77.3	63.3	49.1	69.4	71.8
	1.11	28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	76.7	77.0	76.3	76.2	74.5	61.4	52.6	68.9	73.7
	1.12	31 Pembuatan perabot <i>Manufacture of furniture</i>	81.2	81.3	82.3	80.1	79.1	68.6	29.7	57.4	66.6
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	77.1	77.1	75.4	74.4	73.3	62.9	44.2	60.3	69.1
2.1	10 (Kecuali 104)	Pembuatan produk prosesan makanan <i>Manufacture of food processing products</i>	73.0	74.1	75.3	76.1	75.2	70.0	68.5	74.0	77.7
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	75.9	76.2	77.1	71.4	73.6	58.9	49.8	50.9	62.9
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	77.4	75.6	71.5	73.9	72.5	54.0	1.6	73.6	68.6
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	82.1	80.6	83.4	79.0	76.5	61.6	44.0	67.8	72.7
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	79.7	81.2	79.7	78.5	78.6	66.1	61.8	68.1	75.2
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	74.1	77.0	76.6	73.6	76.4	71.4	47.3	64.9	76.4
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	72.3	72.1	67.5	76.2	73.5	69.2	69.4	68.6	73.6
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	73.1	72.5	73.0	71.4	66.8	55.1	40.2	57.4	62.5
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	78.5	76.3	74.7	74.9	72.5	59.5	49.3	62.7	68.8
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	75.0	75.6	75.9	75.6	76.7	64.2	49.2	65.0	71.3
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	82.2	80.7	75.3	71.4	70.3	64.8	24.7	49.1	65.6
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	75.1	76.6	76.3	80.1	79.0	68.8	47.1	61.4	72.1
2.13	32	Pembuatan lain <i>Other manufacturing</i>	75.2	78.8	75.7	77.8	75.2	62.9	56.5	67.3	73.9
2.14	33	Membbaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	75.1	83.8	77.4	77.8	74.5	68.9	51.3	66.7	79.8

2021														
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
72.2	72.4	74.4	75.1	72.8	74.5	76.5	75.8	77.7	76.9	76.1	70.0	67.6	68.5	72.7
72.5	72.9	74.8	75.9	73.2	75.0	77.2	77.3	78.2	77.5	77.7	75.4	72.2	70.8	73.1
76.0	69.0	69.5	64.8	61.9	60.5	68.9	69.0	82.2	81.7	70.6	77.5	81.4	79.1	81.6
68.4	68.2	68.3	68.3	68.8	69.0	75.3	81.9	77.9	80.5	76.6	70.0	70.3	64.9	69.6
68.9	72.9	74.4	75.0	73.4	76.0	80.4	76.7	78.4	79.5	78.9	70.7	69.2	71.4	71.9
70.0	70.1	70.9	69.6	70.5	70.4	68.5	68.5	69.9	69.6	70.7	64.7	63.8	67.3	68.6
65.3	66.6	69.2	73.4	62.6	69.0	78.8	79.2	78.0	78.0	79.1	74.7	74.3	64.5	53.8
77.9	76.2	79.8	80.8	80.3	77.4	82.9	82.5	80.0	78.2	82.2	76.1	76.6	75.9	82.3
82.8	82.9	83.1	83.5	83.7	84.4	81.7	79.2	82.9	82.3	81.6	77.6	73.5	71.2	76.0
77.1	75.7	76.8	77.4	77.2	77.8	75.4	75.8	77.3	75.8	72.8	70.9	67.6	70.0	75.2
72.7	73.4	75.1	75.1	74.3	75.9	75.1	75.5	77.7	77.2	76.7	79.3	73.3	72.7	79.4
75.5	75.5	76.8	75.1	74.2	74.2	75.4	75.5	79.0	79.0	78.1	73.0	68.3	73.6	78.6
73.3	72.5	73.1	78.9	77.9	79.8	76.7	76.2	79.5	76.8	73.8	63.6	57.7	74.0	77.0
69.2	73.3	75.9	76.0	74.8	75.8	74.7	73.2	74.2	72.9	69.8	59.9	59.5	61.5	70.0
71.5	71.1	73.5	72.8	71.9	73.5	74.9	72.0	76.6	75.2	72.1	56.1	56.1	62.5	71.7
74.5	78.3	77.5	78.3	77.1	77.6	76.2	73.6	78.3	76.4	75.3	76.2	76.0	74.9	74.9
65.0	66.6	71.0	72.0	70.2	71.2	69.6	61.9	69.1	68.4	61.6	58.0	57.3	61.1	74.0
76.0	73.2	62.1	53.4	52.1	55.4	78.4	81.1	81.4	76.3	79.3	9.7	8.8	9.9	77.6
73.9	71.9	72.7	71.8	77.2	78.0	73.1	72.1	74.4	75.3	73.3	65.5	65.2	61.7	73.6
75.9	74.5	76.6	77.2	77.0	77.0	79.7	75.1	78.1	76.8	75.5	73.7	70.8	68.4	71.9
75.3	71.1	71.3	70.8	69.5	70.0	72.5	73.6	77.1	73.8	68.9	65.6	62.4	65.9	67.2
73.4	77.1	77.6	76.0	72.0	77.5	72.1	74.1	72.4	75.0	69.8	68.9	72.3	74.3	76.7
68.7	69.5	69.1	69.8	68.7	70.7	70.0	70.2	73.9	74.0	68.7	54.8	58.8	63.5	68.5
71.9	67.3	72.4	71.5	70.3	74.7	73.7	68.9	73.9	73.7	67.9	54.6	57.2	62.6	74.1
74.5	72.5	77.3	74.2	74.1	75.1	76.1	73.3	77.2	76.0	71.0	62.1	63.4	66.0	69.3
69.3	71.9	73.0	72.8	72.1	73.7	77.5	74.4	81.6	77.2	78.9	38.6	37.0	54.7	73.8
66.8	66.9	72.8	77.6	72.0	70.6	73.6	68.4	76.6	76.5	74.5	68.4	62.1	71.8	74.4
74.7	78.2	78.2	75.2	75.0	76.5	76.1	73.9	75.1	74.6	72.1	68.8	68.3	67.4	68.6
72.0	78.2	76.4	74.9	75.9	75.3	80.2	75.6	72.3	74.0	72.7	67.7	59.7	67.4	72.1

3c Kapasiti Penggunaan Industri Pembuatan mengikut Industri Berorientasikan Eksport dan Industri Berorientasikan Domestik -Bulanan

Manufacturing Industry Capacity Utilisation by Export-Oriented Industries and Domestic-Oriented Industries - Monthly

Bil. No.	Kod Codes	Keterangan Description	2021			2022					
			Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
1.	C	PEMBUATAN MANUFACTURING	74.5	75.2	75.7	81.3	80.2	81.7	80.4	77.4	79.1
		Industri Berorientasikan Eksport Export-Oriented Industries	74.3	75.9	76.8	81.6	80.8	81.5	80.8	76.8	78.2
	1.1	104 Pembuatan minyak dan lemak daripada sayuran dan haiwan <i>Manufacture of vegetable and animal oils and fats</i>	71.9	69.2	65.3	66.2	62.6	65.1	59.1	69.6	68.7
	1.2	13 Pembuatan tekstil <i>Manufacture of textiles</i>	71.9	72.5	72.8	88.1	84.8	86.8	84.5	80.7	83.8
	1.3	14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	77.3	79.7	80.5	73.1	70.8	76.0	78.5	80.8	75.8
	1.4	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>	73.6	72.6	69.0	71.8	70.7	75.3	73.8	72.2	74.4
	1.5	19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	57.3	64.6	67.7	85.7	90.8	76.8	86.4	71.6	66.2
	1.6	20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical product</i>	81.6	83.4	80.8	81.1	77.7	84.3	82.1	79.7	78.5
	1.7	221 Pembuatan produk getah <i>Manufacture of rubber products</i>	79.5	82.1	81.7	83.3	80.4	82.6	83.0	80.4	80.7
	1.8	222 Pembuatan produk plastik <i>Manufacture of plastic products</i>	78.0	75.9	74.9	80.6	77.9	81.5	79.7	78.5	80.9
	1.9	26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	78.6	77.5	80.1	79.9	78.5	82.8	77.1	77.4	82.8
	1.10	27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	81.3	83.2	80.5	83.3	78.1	85.2	81.5	78.1	82.7
	1.11	28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	78.8	80.3	77.0	82.7	79.0	83.4	84.5	79.4	83.1
	1.12	31 Pembuatan perabot <i>Manufacture of furniture</i>	74.8	75.7	76.7	83.9	80.4	85.2	84.7	81.9	85.0
2.		Industri Berorientasikan Domestik Domestic-Oriented Industries	74.9	73.5	73.1	80.6	78.8	82.1	79.3	79.0	81.3
2.1	10 (Kecuali 104)	Pembuatan produk proses makanan <i>Manufacture of food processing products</i>	74.3	71.8	74.3	82.4	73.6	81.2	71.3	81.6	83.6
2.2	11	Pembuatan minuman <i>Manufacture of beverages</i>	74.3	78.3	73.8	87.9	80.5	81.1	81.1	80.8	79.5
2.3	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	80.8	81.0	72.0	97.9	99.1	97.7	79.1	99.3	96.8
2.4	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	73.9	74.1	72.1	90.0	83.9	89.2	85.0	82.9	92.7
2.5	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	70.7	73.7	75.5	83.6	80.0	84.5	80.3	76.8	80.9
2.6	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	75.1	74.1	74.4	75.9	77.3	80.9	81.8	80.7	85.9
2.7	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical, medicinal chemical and botanical products</i>	69.8	72.4	71.3	78.6	71.1	80.4	78.5	76.3	84.6
2.8	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	70.8	70.0	71.9	82.3	76.6	77.7	81.2	79.1	81.4
2.9	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	74.8	73.3	70.2	80.2	74.1	80.2	77.8	74.2	77.2
2.10	25	Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	72.6	72.6	73.5	81.4	78.1	82.6	81.8	76.1	79.9
2.11	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	82.8	75.6	75.3	77.7	85.2	85.0	80.3	82.2	82.5
2.12	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	71.7	74.2	71.3	77.0	75.0	82.3	79.7	82.0	84.3
2.13	32	Pembuatan lain <i>Other manufacturing</i>	72.4	73.4	72.7	78.9	72.6	76.2	70.1	79.1	78.4
2.14	33	Membbaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	76.2	73.2	74.9	81.6	80.9	84.4	59.4	84.6	84.3

2023																	
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
80.9	81.2	81.7	80.1	80.4	80.2	79.3	79.2	80.8	76.5	79.0	79.2	78.6	79.6	80.1	80.4	80.1	78.9
80.8	80.9	81.9	80.0	80.3	81.1	79.5	78.5	80.0	75.6	77.9	78.4	77.6	78.5	78.9	79.3	78.7	77.1
67.9	70.5	68.7	71.6	74.1	65.2	64.8	67.3	65.7	66.3	73.0	71.4	74.6	75.7	79.5	78.0	76.9	75.4
85.8	86.1	91.4	85.4	84.7	83.6	69.9	75.7	79.0	75.9	76.0	80.2	76.6	77.0	76.9	77.1	77.3	76.2
77.5	72.0	73.2	68.8	69.5	73.6	78.6	73.7	83.1	81.6	81.4	82.2	81.1	82.4	83.1	84.0	84.4	81.5
71.8	75.2	73.4	72.6	70.0	69.7	67.9	68.3	68.9	68.5	70.5	68.9	69.9	72.8	72.8	72.4	72.5	72.5
79.8	80.1	85.0	84.7	86.4	85.9	85.9	79.4	81.4	72.8	73.5	74.0	74.4	74.6	73.5	77.1	75.9	75.2
80.8	82.5	76.4	81.2	80.0	77.4	79.7	80.4	79.9	79.4	82.1	82.4	82.3	83.1	81.1	80.8	79.2	79.5
77.3	78.9	76.5	78.3	76.4	74.7	77.0	76.3	79.1	75.2	77.9	80.4	77.7	78.0	77.8	76.0	75.5	76.9
80.7	81.1	82.5	81.9	80.0	80.3	79.9	80.4	80.9	76.7	80.5	78.9	79.0	80.2	79.5	80.9	80.9	80.5
81.4	80.3	83.3	77.7	78.5	81.5	77.9	78.2	79.3	77.0	79.0	80.8	77.9	78.3	80.7	79.7	79.5	75.5
85.8	86.2	83.5	81.4	81.7	85.6	79.3	81.1	82.4	74.9	78.8	80.1	79.2	82.5	82.9	82.6	82.4	77.9
84.5	84.6	80.4	77.6	80.4	81.4	77.6	78.6	83.5	83.9	85.8	83.6	82.7	86.1	84.4	83.4	84.9	84.4
85.1	85.8	84.5	85.7	82.8	80.6	78.4	79.7	82.7	79.8	80.2	78.0	77.2	78.5	78.6	86.1	87.5	88.2
81.1	81.9	81.3	80.2	80.5	77.8	78.8	80.9	83.1	78.6	81.3	80.8	80.5	81.9	82.6	82.6	83.1	82.7
84.7	84.8	82.3	82.2	80.8	82.7	84.5	82.0	84.9	79.2	81.3	81.2	81.9	83.3	84.2	83.1	82.9	82.1
82.6	82.4	80.4	79.9	78.8	83.5	79.0	77.3	77.3	78.3	82.5	80.0	80.1	80.2	80.5	80.6	82.1	82.5
74.3	54.6	77.6	77.5	56.5	99.6	92.7	91.5	96.8	92.9	93.4	82.3	82.0	81.7	89.4	89.7	90.1	89.7
90.7	94.3	92.3	92.1	92.9	93.3	91.0	83.1	84.2	83.0	85.3	83.6	79.1	79.2	81.9	80.7	81.1	83.7
79.5	78.1	77.6	77.9	75.4	76.5	74.6	77.3	79.9	76.5	75.6	77.6	77.0	77.4	78.6	78.5	79.4	78.2
83.3	85.2	85.0	82.2	83.5	82.6	81.3	82.6	80.6	82.8	83.8	83.2	82.9	83.4	83.9	83.5	84.5	86.6
86.7	88.2	84.2	82.2	79.2	69.5	79.6	85.8	83.1	80.7	80.6	81.6	81.2	83.5	85.1	82.6	82.5	84.1
82.7	82.0	80.7	80.0	78.7	78.7	73.3	78.4	80.4	80.3	79.3	81.7	81.4	83.8	84.8	85.1	85.9	86.1
79.9	79.1	76.7	75.8	77.2	74.0	73.9	78.7	82.5	78.0	77.1	77.3	76.9	79.5	80.5	80.1	81.3	79.5
80.2	78.9	79.4	81.5	81.0	80.2	80.0	80.2	81.6	77.5	80.5	81.1	80.9	81.9	82.3	82.9	83.0	83.3
81.2	87.4	90.4	83.7	87.7	72.6	83.4	85.9	89.0	74.8	88.3	82.9	81.2	82.7	81.0	81.3	81.6	81.5
84.9	88.9	73.2	79.8	77.0	91.6	79.6	79.9	80.3	80.2	76.6	79.6	77.8	79.4	82.2	82.1	83.4	83.1
77.7	78.4	77.6	76.9	77.2	79.4	80.2	78.8	82.7	77.2	81.5	79.1	81.2	81.1	82.3	82.7	83.0	81.8
78.3	81.4	81.0	76.1	82.6	68.3	82.5	81.9	83.9	78.1	78.0	80.8	82.9	81.7	82.7	85.1	85.8	81.5

4a Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Tahunan

Manufacturing Industry Capacity Utilisation by State - Yearly

Negeri State	2017	2018	2019	2020	2021	2022	2023
Johor	77.3	79.6	78.6	71.3	74.0	81.2	80.8
Kedah	85.2	86.2	87.5	78.5	81.6	85.2	79.8
Kelantan	71.1	72.9	74.4	70.5	73.4	79.4	75.4
Melaka	90.3	91.1	75.2	56.9	70.9	83.2	82.8
Negeri Sembilan	77.0	73.9	76.7	69.7	70.4	84.8	83.3
Pahang	78.2	82.1	80.7	76.3	78.3	77.4	79.7
Pulau Pinang	79.5	79.1	77.6	72.0	75.0	76.8	76.9
Perak	71.4	70.6	70.8	70.4	72.6	76.3	77.2
Perlis	76.1	82.0	71.5	62.5	71.2	75.7	66.5
Selangor	75.9	75.7	75.8	68.9	72.5	81.3	81.4
Terengganu	86.3	86.1	91.5	78.7	84.7	80.4	80.6
Sabah	72.7	74.1	74.8	68.0	70.8	72.1	74.3
Sarawak	83.3	80.3	79.5	68.9	73.3	77.7	74.3
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	63.6	61.5	61.3	58.7	64.1	75.7	76.6
Wilayah Persekutuan Labuan	78.4	84.1	76.1	67.0	74.8	80.3	90.3
Malaysia	79.2	79.1	77.8	69.8	73.9	80.4	79.3

4b Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Suku Tahunan

Manufacturing Industry Capacity Utilisation by State - Quarterly

Negeri State	2017				2018		
	Q1	Q2	Q3	Q4	Q1	Q2	Q3
Johor	76.4	75.8	79.2	78.0	79.6	80.2	79.5
Kedah	85.5	84.4	84.9	85.9	84.9	86.2	86.5
Kelantan	71.0	71.8	70.0	71.8	75.7	71.1	71.8
Melaka	89.8	87.6	91.8	92.3	91.0	92.2	91.2
Negeri Sembilan	77.8	76.1	78.1	75.9	77.9	78.3	68.0
Pahang	82.3	75.4	78.9	76.1	84.9	78.2	82.7
Pulau Pinang	78.2	76.5	81.2	81.9	79.6	78.9	80.2
Perak	72.1	69.2	71.1	73.2	71.1	70.4	71.6
Perlis	74.2	73.5	71.7	85.0	90.4	89.5	89.7
Selangor	75.0	76.0	76.9	75.9	75.9	76.2	76.4
Terengganu	91.1	86.0	81.4	86.6	87.5	83.6	84.6
Sabah	73.3	69.5	73.1	75.1	72.5	74.6	76.0
Sarawak	85.2	78.8	83.3	85.9	81.0	79.6	80.2
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	62.9	66.4	65.3	59.8	59.6	62.5	63.8
Wilayah Persekutuan Labuan	78.4	85.0	83.2	67.0	87.4	86.9	67.3
Malaysia	79.1	77.7	80.1	80.0	79.7	79.4	79.1

4b Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Suku Tahunan

Manufacturing Industry Capacity Utilisation by State - Quarterly

Negeri State	2018	2019				2020	
	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Johor	79.1	78.8	78.6	77.9	79.0	72.7	61.4
Kedah	87.0	87.9	87.3	87.1	87.5	77.4	74.3
Kelantan	73.2	73.8	76.1	74.9	73.0	69.5	65.5
Melaka	90.1	63.4	74.2	81.7	81.5	53.4	47.0
Negeri Sembilan	71.4	78.8	78.2	76.9	72.9	73.5	61.9
Pahang	82.4	79.3	78.1	80.8	84.3	76.0	70.8
Pulau Pinang	77.6	76.8	77.0	78.3	78.4	73.1	63.8
Perak	69.4	69.5	70.2	71.3	72.1	71.4	67.5
Perlis	58.6	71.8	71.1	71.7	71.5	65.0	41.5
Selangor	74.5	73.9	75.3	77.4	76.5	71.3	58.2
Terengganu	88.6	88.6	94.5	90.7	92.2	85.9	69.2
Sabah	73.3	74.2	75.3	73.8	75.9	68.3	61.1
Sarawak	80.3	79.6	79.1	78.7	80.8	70.5	58.9
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	60.2	60.7	61.9	61.5	61.1	61.0	56.1
Wilayah Persekutuan Labuan	94.7	64.0	91.1	85.7	63.6	70.7	59.9
Malaysia	78.3	76.1	77.7	78.8	78.7	71.2	60.8

		2021				2022				2023			
Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
74.8	76.3	75.8	73.0	69.6	77.7	81.1	80.9	81.9	80.9	80.7	78.9	81.6	81.8
80.8	81.6	82.4	81.6	78.7	83.6	84.8	85.6	85.2	85.1	83.8	78.6	77.9	79.1
73.4	73.7	74.5	72.2	70.9	75.8	83.5	78.9	79.5	75.6	77.4	73.8	75.8	74.7
62.5	64.9	83.8	77.5	62.9	59.6	87.0	70.5	87.9	87.4	81.4	82.6	85.3	81.9
71.6	71.7	72.2	70.4	67.4	71.8	86.8	85.7	84.5	82.2	82.0	81.2	86.0	83.8
80.0	78.5	79.7	73.5	76.9	83.0	78.2	79.7	76.7	75.1	76.3	75.4	83.5	83.7
74.2	77.0	77.7	75.2	72.4	74.5	77.6	76.2	78.0	75.4	76.8	76.0	76.9	78.2
71.6	71.4	72.1	70.3	72.9	75.2	78.6	75.2	74.2	77.2	77.1	76.4	77.1	78.1
66.2	77.3	73.9	71.8	68.0	71.3	77.5	77.5	73.4	74.4	65.8	62.3	65.5	72.3
73.1	73.1	73.5	72.0	67.8	76.6	80.8	80.7	83.1	80.6	79.7	81.6	82.4	82.1
79.4	80.2	86.4	85.7	81.5	85.3	72.8	81.7	82.3	84.7	78.8	85.8	80.6	77.0
73.9	68.7	70.6	70.1	68.9	73.7	72.4	74.8	72.0	69.1	72.3	72.6	77.2	74.9
71.6	74.6	78.3	76.1	65.0	73.8	82.6	75.6	75.2	77.5	81.6	70.4	70.4	74.7
59.8	57.7	65.2	62.7	61.0	67.3	76.8	75.1	75.6	75.2	79.6	75.9	74.8	76.2
68.1	69.4	73.9	77.9	82.7	64.9	93.7	58.2	76.1	93.1	93.3	75.0	97.2	95.6
73.0	74.1	76.7	74.3	69.6	75.1	81.1	79.0	81.3	80.2	79.8	78.2	79.4	79.8

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan

Manufacturing Industry Capacity Utilisation by State - Monthly

Negeri State	2017							
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
Johor	79.1	74.1	75.9	75.6	76.0	75.6	78.8	79.7
Kedah	85.4	85.2	85.9	82.8	86.0	84.5	83.4	85.7
Kelantan	68.3	70.8	73.9	77.0	70.1	68.4	69.2	69.4
Melaka	92.0	88.1	89.2	82.0	90.3	90.4	92.2	92.7
Negeri Sembilan	78.7	77.4	77.2	76.4	74.8	77.1	78.7	77.6
Pahang	82.4	80.5	84.1	75.7	72.2	78.2	79.2	79.2
Pulau Pinang	77.5	77.8	79.4	75.9	77.9	75.9	78.6	82.2
Perak	72.2	71.3	72.7	69.4	68.3	69.8	71.1	70.0
Perlis	89.9	58.5	74.2	74.7	66.6	79.1	72.8	74.0
Selangor	74.8	74.4	75.7	74.2	77.7	76.0	77.6	76.7
Terengganu	91.2	90.9	91.1	86.2	82.1	89.8	81.0	78.8
Sabah	74.1	75.1	70.8	72.8	71.4	64.4	72.5	71.5
Sarawak	84.3	87.5	83.8	75.8	74.7	85.9	86.9	84.1
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	63.4	62.9	62.5	68.1	65.1	66.1	66.6	67.1
Wilayah Persekutuan Labuan	59.4	89.0	86.8	92.1	91.6	71.3	89.4	79.7
Malaysia	79.4	78.5	79.3	76.3	78.0	78.7	80.1	80.3

2018															
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
79.2	78.7	78.8	76.4	79.9	78.5	80.4	80.8	81.7	78.1	80.4	79.4	78.7	79.8	78.7	78.9
85.5	85.0	86.2	86.5	82.8	84.5	87.4	86.3	86.2	86.0	85.8	86.9	86.9	86.4	86.8	87.9
71.3	72.6	75.0	67.7	73.4	75.6	78.0	71.9	69.4	72.1	71.5	70.9	73.1	73.4	72.3	73.7
90.4	92.9	91.9	92.0	91.0	90.3	91.7	92.0	92.4	92.2	91.7	91.4	90.5	90.9	89.8	89.4
78.1	77.0	76.6	74.1	80.9	77.3	75.4	79.4	77.1	78.4	77.7	62.9	63.4	58.6	77.0	78.7
78.2	77.9	73.9	76.7	84.8	84.0	86.0	75.2	77.4	82.1	84.6	83.0	80.5	81.8	83.9	81.5
82.8	81.3	81.8	82.6	80.8	79.0	79.1	79.4	80.1	77.2	80.6	81.0	79.0	79.3	76.5	76.8
72.2	74.3	73.2	72.2	72.4	67.6	73.3	72.1	71.0	68.2	73.9	71.8	69.1	73.4	67.4	67.5
68.2	85.3	85.2	84.3	90.4	90.3	90.4	90.1	89.8	88.6	89.5	90.3	89.1	50.1	61.3	64.5
76.5	75.1	76.6	76.0	75.7	72.4	79.7	76.3	76.5	75.7	78.4	76.3	74.5	75.8	73.7	73.9
84.5	85.4	85.4	88.9	86.7	87.0	88.9	84.6	88.2	78.0	84.5	82.7	86.7	87.7	89.1	89.0
75.2	76.4	74.6	74.2	73.3	69.3	75.0	75.3	74.6	73.7	77.8	75.1	75.0	74.0	75.5	70.4
78.8	83.7	87.6	86.3	84.1	76.9	82.0	80.0	79.3	79.5	80.2	79.8	80.5	78.0	81.4	81.5
62.3	60.0	59.4	59.8	62.0	55.1	61.9	61.2	61.6	64.9	66.1	66.1	59.2	61.1	59.4	60.1
80.6	72.7	67.9	60.4	93.1	91.6	77.6	87.9	89.5	83.4	87.1	60.0	54.7	92.4	96.2	95.4
79.8	79.7	80.4	79.9	80.2	77.7	81.1	79.7	80.0	78.6	80.7	78.9	77.8	78.1	78.3	78.5

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan

Manufacturing Industry Capacity Utilisation by State - Monthly

Negeri State	2019							
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
Johor	79.3	78.0	79.2	80.0	78.8	77.1	78.9	77.2
Kedah	88.1	87.3	88.1	87.2	87.3	87.5	87.2	86.7
Kelantan	72.4	73.6	75.4	77.0	76.5	74.7	75.9	74.2
Melaka	59.9	72.6	57.6	61.7	74.3	86.7	80.3	81.2
Negeri Sembilan	78.6	79.0	79.0	79.5	78.2	76.8	77.2	75.2
Pahang	83.8	81.5	72.8	73.6	80.6	80.2	77.8	80.3
Pulau Pinang	79.1	74.3	77.0	76.4	78.0	76.6	79.7	78.8
Perak	70.6	67.7	70.1	71.8	71.9	67.0	71.8	70.7
Perlis	70.9	73.0	71.5	70.5	71.9	71.0	72.0	71.7
Selangor	73.8	72.9	74.9	76.2	75.4	74.3	78.1	77.6
Terengganu	82.7	94.3	89.0	93.4	94.9	95.3	94.7	87.0
Sabah	73.9	72.0	76.7	75.7	77.5	72.8	73.8	74.1
Sarawak	83.6	74.5	80.6	78.8	80.8	77.6	79.4	78.3
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	60.1	60.0	62.0	62.6	61.3	61.8	60.9	64.1
Wilayah Persekutuan Labuan	82.3	45.0	64.6	90.3	91.1	92.0	84.2	88.2
Malaysia	76.6	75.8	76.1	77.0	78.2	77.9	79.4	78.4

2020															
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
77.5	79.6	78.4	78.9	77.6	77.5	63.0	47.3	66.7	70.2	74.7	73.3	76.3	76.7	75.8	76.5
87.3	86.3	87.8	88.5	77.4	78.7	76.0	65.7	76.5	80.5	80.8	79.9	81.6	81.2	81.4	82.2
74.5	73.1	72.8	73.2	72.7	75.2	60.6	56.9	68.8	70.8	74.5	73.9	71.7	73.2	73.0	75.0
83.5	82.2	81.3	80.9	59.3	60.0	41.0	28.0	49.8	63.1	56.7	62.9	67.8	73.1	58.5	62.9
78.2	72.6	74.6	71.6	76.7	76.3	67.6	54.0	62.1	69.5	71.9	70.4	72.4	71.7	72.4	70.9
84.3	83.8	85.3	83.9	77.9	77.6	72.5	62.7	72.1	77.7	80.5	79.2	80.2	84.8	77.7	72.9
76.4	79.1	78.7	77.3	76.9	76.7	65.8	50.4	68.4	72.6	71.7	73.7	77.3	76.6	77.0	77.4
71.4	72.2	70.9	73.0	73.9	74.9	65.3	62.0	67.8	72.7	71.5	71.8	71.4	71.5	70.0	72.6
71.5	72.1	71.1	71.2	73.0	72.5	49.6	16.5	49.7	58.1	62.9	65.9	70.0	73.6	76.9	81.2
76.6	77.0	76.5	76.2	74.8	74.5	64.4	45.2	59.2	70.2	73.1	72.3	73.7	73.7	71.9	73.7
90.3	90.2	94.5	92.1	88.9	90.8	78.1	49.3	79.7	78.5	80.4	78.9	79.0	79.6	81.4	79.6
73.6	77.9	79.0	70.6	73.1	73.3	58.5	40.8	67.2	75.2	74.8	73.9	73.2	65.8	69.7	70.7
78.3	77.7	83.0	81.8	71.0	71.8	68.5	45.6	61.9	69.1	71.9	71.3	71.7	75.1	70.2	78.4
59.7	60.6	61.9	60.8	63.6	62.0	57.6	47.0	58.3	63.1	62.0	59.1	58.3	56.6	56.1	60.4
84.7	90.5	42.3	58.0	59.7	68.4	84.2	35.8	82.2	61.9	45.1	77.5	81.6	62.7	73.7	71.6
78.4	78.8	79.1	78.4	74.6	74.7	64.4	47.7	63.9	70.9	72.2	72.4	74.4	75.1	72.8	74.5

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan

Manufacturing Industry Capacity Utilisation by State - Monthly

Negeri State	2021							
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
Johor	75.5	74.2	77.7	77.2	74.8	66.9	66.9	67.6
Kedah	81.6	82.2	83.6	82.2	81.1	81.3	76.2	76.8
Kelantan	73.6	71.4	78.6	77.0	72.5	67.2	68.3	70.3
Melaka	83.2	84.4	83.7	83.2	82.5	66.8	67.6	62.0
Negeri Sembilan	72.8	70.0	73.7	73.5	71.6	65.9	64.6	66.9
Pahang	84.6	82.3	72.1	70.8	76.1	73.6	76.0	74.2
Pulau Pinang	79.0	76.0	78.1	78.3	75.3	72.0	72.6	70.7
Perak	71.0	72.2	73.3	74.7	72.2	64.0	71.6	72.7
Perlis	73.6	74.3	73.9	72.2	71.6	71.5	64.3	73.2
Selangor	72.5	72.0	76.1	74.3	73.9	67.9	60.1	67.6
Terengganu	88.2	83.2	87.9	87.0	88.7	81.5	84.0	78.8
Sabah	69.8	69.2	73.0	73.8	67.7	68.9	68.9	69.0
Sarawak	77.6	80.4	76.9	75.6	79.0	73.7	70.7	63.6
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	64.1	64.4	67.2	65.6	63.2	59.3	57.4	60.6
Wilayah Persekutuan Labuan	66.2	88.8	66.6	69.6	80.1	83.9	88.0	78.0
Malaysia	76.5	75.8	77.7	76.9	76.1	70.0	67.6	68.5

2022												2023							
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	
74.5	76.8	77.6	78.8	80.8	79.3	83.1	80.5	79.3	83.0	82.9	82.9	79.8	81.5	80.6	80.5	79.9	80.3	82.0	
83.0	82.7	84.1	83.9	84.6	86.7	83.3	87.0	84.7	85.3	85.4	84.4	85.8	87.1	86.7	81.4	85.0	82.9	83.3	
74.1	76.2	75.0	76.2	87.9	79.6	83.0	80.0	75.9	80.8	80.7	79.7	78.2	77.7	75.8	73.4	76.7	77.3	78.1	
59.0	59.3	58.7	60.8	93.4	89.8	77.8	89.0	73.2	49.2	82.7	88.1	92.8	90.0	92.4	79.9	86.7	76.0	81.6	
70.7	72.7	71.2	71.5	87.9	82.9	89.6	85.6	81.1	90.3	84.5	83.6	85.3	85.4	84.1	77.2	81.7	79.7	84.6	
80.6	85.6	81.7	81.6	73.2	81.4	80.1	79.7	79.0	80.4	78.8	78.1	73.3	72.9	76.3	76.1	79.5	73.9	75.4	
74.0	75.2	73.9	74.5	75.6	76.0	81.3	76.7	74.0	78.0	78.6	76.7	78.8	74.8	74.6	76.8	75.7	76.7	77.9	
74.6	78.1	70.9	76.6	80.1	74.7	81.0	75.8	74.0	76.0	73.7	74.0	74.7	77.0	76.8	77.7	78.0	80.5	72.8	
66.5	70.1	72.4	71.3	78.0	76.6	78.0	78.2	76.1	78.1	70.8	74.1	75.3	74.5	75.4	73.3	59.1	65.9	72.5	
75.7	77.1	76.6	76.1	82.8	77.4	82.3	78.7	80.0	83.3	82.3	83.6	83.3	79.3	79.9	82.8	77.9	78.8	82.3	
81.8	79.3	87.1	89.3	73.9	70.5	74.1	89.2	76.4	79.4	79.4	84.7	82.8	87.2	78.5	88.2	76.9	81.3	78.3	
68.9	73.5	76.5	71.1	69.8	68.8	78.6	74.2	71.6	78.5	71.5	72.0	72.6	69.1	67.5	70.6	71.8	72.4	72.8	
60.8	66.5	77.4	77.5	77.3	90.5	80.1	76.2	71.9	78.9	77.6	72.3	75.8	73.7	79.8	79.0	80.1	84.0	80.8	
65.1	67.8	65.8	68.4	77.5	75.2	77.9	76.2	76.2	73.0	72.4	76.2	78.1	76.4	73.0	76.2	78.3	79.2	81.3	
82.1	69.5	82.0	43.3	94.2	92.2	94.6	71.8	57.5	45.3	57.8	94.5	76.1	95.6	96.4	87.3	96.3	91.0	92.6	
72.7	74.5	75.2	75.7	81.3	80.2	81.7	80.4	77.4	79.1	80.9	81.2	81.7	80.1	80.4	80.2	79.3	79.2	80.8	

4c Kapasiti Penggunaan Industri Pembuatan mengikut Negeri - Bulanan

Manufacturing Industry Capacity Utilisation by State - Monthly

Negeri State	2023									
	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
Johor	77.1	79.3	80.3	80.9	81.6	82.3	82.6	82.4	80.5	
Kedah	75.8	80.0	79.9	77.7	76.9	79.3	77.7	79.3	80.3	
Kelantan	72.9	72.5	76.0	80.4	76.4	70.6	77.0	71.3	75.7	
Melaka	81.4	86.8	79.5	82.8	87.5	85.6	82.0	84.2	79.5	
Negeri Sembilan	82.6	81.1	80.0	87.0	85.0	86.0	83.9	83.3	84.1	
Pahang	78.4	76.4	71.4	79.2	84.3	87.1	86.2	81.3	83.6	
Pulau Pinang	72.8	77.2	78.1	74.6	77.5	78.5	81.1	78.3	75.0	
Perak	77.2	73.9	78.1	78.2	75.9	77.3	78.6	77.4	78.3	
Perlis	57.4	65.1	64.4	61.2	60.3	75.1	72.3	72.3	72.2	
Selangor	80.6	82.6	81.5	80.6	82.4	84.1	81.8	82.9	81.6	
Terengganu	82.0	86.2	89.4	83.7	82.2	75.8	76.2	75.0	79.9	
Sabah	69.6	74.0	74.2	77.3	76.9	77.5	73.2	76.3	75.2	
Sarawak	67.7	70.2	73.4	70.8	70.6	69.7	76.4	75.1	72.6	
Wilayah Persekutuan Kuala Lumpur & Wilayah Persekutuan Putrajaya	75.3	77.9	74.5	74.8	74.0	75.7	75.2	77.3	76.2	
Wilayah Persekutuan Labuan	60.0	70.6	94.5	97.7	97.0	97.0	96.8	97.0	92.9	
Malaysia	76.5	79.0	79.2	78.6	79.6	80.1	80.4	80.1	78.9	

5 Faktor Kapasiti Industri Pembuatan di bawah Tahap Penggunaan - Peratus Sumbangan

Factors of Underutilisation of Manufacturing Industry Capacity - Percentage Share

Keterangan Faktor Factor Description	2022											
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
Kurang menguntungkan untuk beroperasi pada keupayaan pengeluaran <i>Not most profitable to operate at full production capability</i>	4.2	4.2	4.4	4.9	4.9	5.1	5.5	5.4	5.6	6.0	6.3	6.0
Bekalan bahan tidak mencukupi <i>Insufficient supply of materials</i>	12.3	11.6	12.0	12.2	12.6	12.2	12.1	12.3	12.4	12.2	11.8	12.0
Pembaikan & penyelenggaraan mesin dan kelengkapan <i>Repair & maintenance of machinery and equipment</i>	9.0	8.6	9.5	9.2	9.2	9.4	9.4	9.8	9.7	9.1	9.1	9.6
Inventori yang mencukupi <i>Sufficient inventory</i>	5.0	4.9	5.2	5.3	5.5	5.6	5.4	5.8	5.7	5.9	6.1	6.5
Permintaan kurang <i>Low demand</i>	35.4	34.2	33.9	33.3	32.7	33.3	34.2	33.2	34.8	35.2	35.2	34.0
Kekurangan tenaga buruh <i>Insufficient supply of labour force</i>	10.5	10.7	12.0	12.2	12.1	12.1	11.3	11.2	10.3	10.1	10.0	9.8
Bahan bakar atau tenaga elektrik yang tidak mencukupi <i>Lack of sufficient fuel or electric energy</i>	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.3	0.4	0.4	0.4
Limitasi atau kerosakan mesin dan kelengkapan <i>Machinery and equipment limitations or failures</i>	3.9	3.8	3.9	4.3	3.9	4.1	3.9	4.1	4.1	4.0	3.7	4.0
Pekerja kurang kompeten <i>Incompetent workers</i>	2.5	2.7	2.6	2.5	2.7	2.7	2.7	2.9	2.4	2.2	2.5	2.5
Limitasi ruang penyimpanan <i>Storage limitations</i>	4.1	3.6	4.6	4.0	3.9	4.2	4.4	4.2	4.0	3.9	4.1	4.2
Kekangan logistik/ pengangkutan <i>Logistics/ transportation constraints</i>	2.4	2.1	2.0	2.1	2.3	1.9	1.8	1.9	1.5	1.4	1.6	1.5
Penutupan kilang sementara <i>Temporary plant shutdown</i>	1.2	1.7	0.9	0.8	0.9	0.8	0.6	0.6	0.6	0.6	0.8	0.7
Kekangan kewangan <i>Financial constraints</i>	1.5	1.3	1.3	1.4	1.1	1.2	1.2	1.1	1.3	1.7	1.5	1.5
Mogok atau pemberhentian pekerja <i>Strike or work stoppage</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Operasi bermusim <i>Seasonal operations</i>	3.1	3.5	3.2	3.7	3.2	3.0	3.0	3.0	3.1	3.2	3.1	3.2
Sekatan berkaitan alam sekitar <i>Environmental restrictions</i>	0.3	0.5	0.2	0.4	0.2	0.2	0.3	0.2	0.1	0.2	0.3	0.2
Isu kualiti produk atau perkhidmatan <i>Quality issues of products or services</i>	1.0	0.9	0.9	0.9	0.9	1.2	1.0	1.0	0.9	0.9	1.0	1.0
Lain-lain <i>Others</i>	3.4	5.3	2.9	2.5	3.5	2.7	2.7	2.8	2.7	2.7	2.6	2.8

5 Faktor Kapasiti Industri Pembuatan di bawah Tahap Penggunaan - Peratus Sumbangan

Factors of Underutilisation of Manufacturing Industry Capacity - Percentage Share

Keterangan Faktor Factor Description	2023											
	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
Kurang menguntungkan untuk beroperasi pada keupayaan pengeluaran <i>Not most profitable to operate at full production capability</i>	5.5	5.0	5.6	5.4	5.4	5.2	5.3	5.4	5.2	5.4	5.2	4.9
Bekalan bahan tidak mencukupi <i>Insufficient supply of materials</i>	11.0	10.8	10.9	11.1	10.9	10.6	11.1	11.2	11.4	10.9	11.0	10.7
Pembaikan & penyelenggaraan mesin dan kelengkapan <i>Repair & maintenance of machinery and equipment</i>	9.0	9.4	9.2	8.7	8.6	9.1	9.1	8.7	8.9	8.8	9.2	8.0
Inventori yang mencukupi <i>Sufficient inventory</i>	5.2	5.9	6.2	5.5	5.9	6.5	6.1	6.2	5.8	5.6	6.2	6.9
Permintaan kurang <i>Low demand</i>	36.6	36.5	37.3	39.4	40.3	39.3	40.8	40.0	41.5	41.6	41.9	42.3
Kekurangan tenaga buruh <i>Insufficient supply of labour force</i>	9.0	8.5	8.0	7.9	7.4	7.6	7.2	7.4	7.1	6.9	6.8	7.0
Bahan bakar atau tenaga elektrik yang tidak mencukupi <i>Lack of sufficient fuel or electric energy</i>	0.3	0.3	0.4	0.4	0.4	0.4	0.3	0.3	0.3	0.4	0.4	0.3
Limitasi atau kerosakan mesin dan kelengkapan <i>Machinery and equipment limitations or failures</i>	3.5	3.9	3.8	3.6	3.8	3.7	3.6	3.5	3.6	3.6	3.5	3.5
Pekerja kurang kompeten <i>Incompetent workers</i>	2.6	2.4	2.4	2.2	2.2	2.2	2.1	2.0	2.3	1.9	1.7	2.0
Limitasi ruang penyimpanan <i>Storage limitations</i>	3.9	4.4	4.6	3.6	4.0	4.2	4.3	4.2	3.6	4.3	4.0	3.8
Kekangan logistik/ pengangkutan <i>Logistics/ transportation constraints</i>	1.6	1.4	1.2	1.3	1.3	1.4	1.2	1.5	1.3	0.9	1.2	1.1
Penutupan kilang sementara <i>Temporary plant shutdown</i>	1.2	0.9	0.9	1.1	0.6	0.9	0.7	0.7	0.8	0.7	0.8	0.6
Kekangan kewangan <i>Financial constraints</i>	1.6	1.8	1.6	1.5	1.5	1.5	1.7	1.6	1.4	1.5	1.2	1.5
Mogok atau pemberhentian pekerja <i>Strike or work stoppage</i>	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Operasi bermusim <i>Seasonal operations</i>	3.9	3.6	3.2	3.2	3.2	3.4	3.0	3.1	3.2	3.4	3.2	3.4
Sekatan berkaitan alam sekitar <i>Environmental restrictions</i>	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Isu kualiti produk atau perkhidmatan <i>Quality issues of products or services</i>	1.3	1.5	1.2	1.1	1.0	0.9	0.9	1.5	1.2	1.3	1.0	1.2
Lain-lain <i>Others</i>	3.4	3.2	3.2	3.6	3.1	2.7	2.2	2.3	2.3	2.4	2.6	2.5

6 Kapasiti Penggunaan mengikut Negara Terpilih
Capacity Utilisation by Selected Country

Negara Country	2018	2019	2020	2021	2022	2023
Canada	80.8	78.7	72.5	76.3	77.2	-
China	76.5	76.6	74.1	77.5	75.6	75.2
Germany	87.6	84.5	77.4	84.9	85.2	83.4
Indonesia	74.4	75.4	67.3	69.8	72.4	73.5
Philippines	74.5	71.3	56.8	65.8	71.1	73.6
South Korea	73.8	73.2	71.3	74.8	74.8	71.3
Thailand	68.6	65.3	60.1	63.3	62.8	59.2
United States	78.3	77.0	72.5	77.2	79.2	77.9

Nota / Note :
Canada ST4 2023 akan diterbitkan pada 8 Mac 2024 / Canada Q4 2023 will be released on 8th March 2024

6 Kapasiti Penggunaan mengikut Negara Terpilih
Capacity Utilisation by Selected Country

Negara Country	2018				2019				2020	
	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2
Canada	81.5	81.9	80.2	79.6	78.3	80.2	78.3	78.0	74.2	64.0
China	76.5	76.8	76.5	76.0	75.9	76.4	76.4	77.5	67.3	74.4
Germany	88.0	87.7	87.7	87.0	86.2	85.3	83.9	82.6	83.1	70.6
Indonesia	73.4	75.7	73.9	74.6	75.9	76.2	74.7	74.6	71.8	61.8
Philippines	75.6	74.8	74.5	73.2	72.3	72.2	71.3	69.4	65.6	53.0
South Korea	72.7	74.8	74.3	73.4	71.9	72.3	74.6	74.1	73.0	66.9
Thailand	71.6	67.0	67.6	68.1	70.4	64.8	64.2	62.0	66.0	52.1
United States	77.7	78.4	78.8	78.4	77.5	77.1	77.0	76.5	75.7	65.8

Nota / Note :
Canada ST4 2023 akan diterbitkan pada 8 Mac 2024 / Canada Q4 2023 will be released on 8th March 2024

		2021				2022				2023			
Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
75.2	76.4	76.5	76.8	75.6	76.1	77.0	77.9	76.8	77.0	77.8	78.0	78.3	-
76.7	78.0	77.2	78.4	77.1	77.4	75.8	75.1	75.6	75.7	74.3	74.5	75.8	76.0
74.9	81.0	82.2	85.4	86.5	85.4	86.0	84.9	85.1	84.9	84.6	84.2	82.9	81.9
67.4	68.4	69.1	71.9	68.8	69.3	72.0	72.6	73.1	71.9	72.3	73.6	74.4	73.9
56.5	51.9	64.3	65.2	66.0	67.7	70.0	70.5	71.5	72.2	73.0	73.1	74.0	74.5
71.5	73.6	74.6	73.2	74.5	76.7	78.9	76.0	74.3	69.9	70.6	71.8	72.0	71.0
59.4	63.0	66.6	62.9	58.7	64.8	66.8	61.2	62.8	60.3	63.8	57.7	58.0	57.3
73.4	75.0	75.7	76.9	77.6	78.7	79.2	79.6	79.4	78.5	78.2	78.0	77.7	77.5

7a Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan - Tahunan

Industrial Production Index of Manufacturing Sector by Group - Yearly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2017	2018	2019	2020	2021	2022	2023
	68.25	C	PEMBUATAN MANUFACTURING	110.7	115.6	120.1	116.9	128.1	138.5	139.5
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	113.2	116.9	120.2	118.5	120.5	127.6	134.5
1.1	7.39	10	Pembuatan produk makanan <i>Manufacture of food products</i>	113.1	117.1	120.1	121.0	123.2	128.7	135.5
1.2	0.65	11	Pembuatan minuman <i>Manufacture of beverages</i>	119.9	123.6	127.2	108.7	119.4	135.3	137.7
1.3	0.52	12	Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	105.4	106.8	113.6	95.4	83.6	102.2	116.4
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	115.3	119.8	126.6	110.3	118.4	125.0	126.4
2.1	0.58	13	Pembuatan tekstil <i>Manufacture of textiles</i>	109.4	112.3	117.5	102.0	115.6	120.5	114.9
2.2	0.60	14	Pembuatan pakaian <i>Manufacture of wearing apparel</i>	120.9	126.9	135.4	120.0	121.9	124.6	130.2
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	115.5	119.7	125.9	103.4	115.3	144.7	155.9
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	110.7	115.3	122.1	113.3	120.4	129.5	129.5
3.1	1.44	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>	106.8	112.3	118.4	104.0	113.6	121.2	115.8
3.2	1.15	17	Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	110.3	114.6	120.0	116.5	133.8	143.9	149.7
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	110.2	114.2	119.2	113.1	116.6	124.6	132.2
3.4	1.04	31	Pembuatan perabot <i>Manufacture of furniture</i>	116.7	121.4	132.0	122.8	118.3	129.5	123.5
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	108.3	112.3	115.9	115.0	130.1	131.3	130.1
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	106.7	110.0	113.2	101.2	112.9	120.0	118.1
4.2	6.37	20	Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	110.6	115.2	117.5	109.2	119.5	124.4	129.7
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceuticals, medicinal chemical and botanical products</i>	109.4	115.2	120.7	138.2	159.9	169.7	168.4
4.4	4.49	22	Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	108.4	112.7	118.9	150.2	178.4	161.2	152.6
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	109.2	114.1	119.1	104.4	108.2	116.5	122.5
5.1	2.97	23	Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	109.1	114.7	120.3	103.1	104.2	113.7	118.8
5.2	2.35	24	Pembuatan logam asas <i>Manufacture of basic metals</i>	107.6	111.8	116.6	111.0	114.2	121.9	125.5
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	110.1	115.1	119.8	101.3	107.7	115.3	123.5
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	115.3	121.5	125.9	128.7	147.7	168.8	165.9
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	116.2	123.3	127.7	130.9	151.3	175.4	171.9
6.2	2.20	27	Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	112.5	115.1	119.5	120.6	135.3	148.4	147.2
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	112.5	116.9	121.4	122.8	137.1	146.7	146.1
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	102.7	108.3	115.2	108.7	110.1	130.0	135.3
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	99.9	105.8	113.9	112.0	112.9	141.7	148.2
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	100.7	104.4	109.7	95.2	97.9	104.8	107.6
7.3	0.74	32	Pembuatan lain <i>Other manufacturing</i>	102.3	107.2	113.3	104.7	107.5	118.2	121.3
7.4	0.76	33	Mbaiki dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	117.8	125.7	131.2	120.0	119.9	132.1	138.6

7b Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan - Suku Tahunan

Industrial Production Index of Manufacturing Sector by Group - Quarterly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2017				2018			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	68.25	C	PEMBUATAN MANUFACTURING	105.8	109.4	113.2	114.4	111.4	114.5	118.6	119.5
	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	101.7	108.4	120.1	122.4	110.0	112.6	122.4	122.3
	1.1	7.39	10 Pembuatan produk makanan Manufacture of food products	100.4	107.4	121.1	123.5	109.7	111.5	123.2	123.0
	1.2	0.65	11 Pembuatan minuman Manufacture of beverages	110.1	120.8	121.3	127.6	112.8	127.0	125.9	129.0
	1.3	0.52	12 Pembuatan produk tembakau Manufacture of tobacco products	110.2	107.7	104.0	99.5	110.0	109.6	106.8	102.8
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	109.2	116.7	112.4	122.7	116.5	121.3	115.7	127.3
	2.1	0.58	13 Pembuatan tekstil Manufacture of textiles	104.4	110.6	110.8	111.7	109.5	113.4	113.1	114.1
	2.2	0.60	14 Pembuatan pakaian Manufacture of wearing apparel	111.3	121.9	114.8	135.5	121.0	128.0	118.8	142.8
	2.3	0.15	15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	119.7	119.0	109.2	114.0	125.1	125.2	113.0	116.1
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	110.0	109.3	108.9	114.4	114.5	113.3	115.7	119.9
	3.1	1.44	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	105.5	107.3	103.3	111.2	111.8	111.4	110.6	117.7
	3.2	1.15	17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	111.3	108.8	107.0	114.2	115.4	115.0	112.5	117.1
	3.3	0.93	18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	103.2	109.7	110.8	117.0	107.1	112.6	116.0	122.0
	3.4	1.04	31 Pembuatan perabot Manufacture of furniture	121.0	112.2	117.0	116.7	123.7	114.7	126.2	124.0
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	106.2	107.1	108.1	111.8	111.3	111.1	112.2	115.9
	4.1	9.36	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	108.6	104.8	103.0	110.2	113.4	107.3	105.3	114.7
	4.2	6.37	20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	104.8	110.6	113.1	113.8	111.6	116.7	118.1	115.4
	4.3	0.38	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	97.8	113.3	114.7	111.9	105.5	119.0	121.2	117.9
	4.4	4.49	22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	103.9	106.4	111.2	112.1	107.0	110.3	117.4	118.9
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	104.6	109.5	111.7	110.8	110.1	115.1	117.3	115.5
	5.1	2.97	23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	103.3	108.0	110.3	114.8	109.6	114.2	117.0	119.6
	5.2	2.35	24 Pembuatan logam asas Manufacture of basic metals	101.3	109.4	113.1	106.8	107.0	113.0	117.3	111.1
	5.3	3.79	25 Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	107.7	110.7	111.9	110.2	112.4	117.1	117.6	115.0
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	105.9	115.5	120.8	119.1	111.9	122.1	128.1	126.9
	6.1	13.89	26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	105.0	114.4	122.4	123.1	111.5	121.6	131.1	132.0
	6.2	2.20	27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	107.2	117.2	115.4	110.3	109.8	119.9	118.5	114.0
	6.3	2.14	28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	110.2	120.9	116.5	102.4	116.4	127.5	118.5	106.9
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	108.1	98.6	103.6	100.5	110.6	104.4	111.4	109.0
	7.1	3.17	29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	112.9	94.9	93.4	98.4	113.5	101.8	102.9	107.8
	7.2	1.19	30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	99.5	96.0	108.9	98.5	102.6	98.5	113.0	104.7
	7.3	0.74	32 Pembuatan lain Other manufacturing	104.8	97.0	107.0	100.3	107.9	102.0	114.1	106.4
	7.4	0.76	33 Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	104.8	119.6	134.2	112.6	113.8	126.3	141.8	123.2

7b Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan - Suku Tahunan

Industrial Production Index of Manufacturing Sector by Group - Quarterly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2019				2020			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
1	68.25	C	PEMBUATAN MANUFACTURING	115.9	119.2	122.6	122.8	117.3	97.7	126.5	126.3
	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	115.7	117.3	124.3	123.7	111.1	116.6	130.9	115.5
	1.1	7.39	10 Pembuatan produk makanan Manufacture of food products	115.5	116.2	124.7	124.0	110.6	125.4	133.1	114.9
	1.2	0.65	11 Pembuatan minuman Manufacture of beverages	115.0	131.1	129.8	132.8	114.1	81.0	116.9	122.8
	1.3	0.52	12 Pembuatan produk tembakau Manufacture of tobacco products	118.9	115.8	111.6	108.0	114.9	35.8	117.3	113.7
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	121.9	128.2	121.8	134.4	125.4	73.5	110.5	132.0
	2.1	0.58	13 Pembuatan tekstil Manufacture of textiles	113.4	120.1	118.2	118.1	116.0	71.9	104.5	115.6
	2.2	0.60	14 Pembuatan pakaian Manufacture of wearing apparel	128.2	134.8	125.6	153.1	132.5	75.4	120.7	151.6
	2.3	0.15	15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	129.2	132.5	119.9	122.0	132.8	72.2	92.4	116.1
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	120.6	119.5	122.3	125.8	121.9	80.0	122.5	128.8
	3.1	1.44	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	117.4	116.4	117.0	122.8	120.1	67.8	107.0	121.2
	3.2	1.15	17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	119.5	120.5	117.6	122.2	118.2	96.5	123.2	128.2
	3.3	0.93	18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	112.5	117.7	122.1	124.4	114.7	83.3	126.0	128.5
	3.4	1.04	31 Pembuatan perabot Manufacture of furniture	133.6	124.2	135.0	135.3	135.0	75.6	140.2	140.4
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	114.8	114.7	115.4	118.8	120.0	98.8	117.8	123.4
	4.1	9.36	19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	116.6	110.4	108.5	117.3	120.8	78.8	98.0	107.1
	4.2	6.37	20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	113.4	119.0	120.4	117.3	115.5	96.8	111.4	113.1
	4.3	0.38	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	112.1	123.6	125.6	121.5	117.0	140.0	154.5	141.5
	4.4	4.49	22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	113.2	116.7	121.8	124.0	125.0	139.8	165.4	170.5
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	114.6	119.9	122.2	119.8	114.5	71.6	114.0	117.5
	5.1	2.97	23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	115.0	119.4	122.2	124.6	114.4	63.2	112.2	122.6
	5.2	2.35	24 Pembuatan logam asas Manufacture of basic metals	110.5	117.4	121.9	116.5	111.5	85.7	126.2	120.7
	5.3	3.79	25 Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	116.8	121.9	122.3	118.2	116.5	69.4	107.8	111.5
	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	115.5	126.7	131.8	129.7	117.3	114.1	143.6	139.8
6	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	115.0	126.6	134.8	134.2	117.5	112.2	147.6	146.1
	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	115.6	122.8	120.9	118.5	114.3	112.5	131.6	123.9
	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	118.8	131.3	123.9	111.7	118.8	127.9	129.5	115.0
	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	117.8	111.2	118.1	113.9	115.9	74.9	123.1	120.8
	7.1	3.17	29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	121.2	110.9	111.0	112.6	119.2	76.5	124.6	127.5
7	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	108.6	103.2	118.6	108.3	105.2	65.3	106.5	103.9
	0.74	32	Pembuatan lain Other manufacturing	113.2	106.5	118.4	115.1	113.7	63.2	125.5	116.4
	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	122.0	129.6	146.2	127.0	121.1	94.8	140.4	123.7

2021				2022				2023			
Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4
125.3	123.4	125.6	137.9	133.2	134.8	142.5	143.5	137.7	134.9	142.3	143.2
111.0	118.9	124.2	127.9	117.3	125.5	135.4	132.1	126.0	129.4	141.2	141.4
109.7	122.9	132.5	127.6	115.9	125.9	139.7	133.2	124.8	128.7	145.6	142.9
116.3	112.3	111.7	137.5	125.1	137.7	137.6	140.7	123.2	140.4	138.8	148.3
122.6	69.5	21.3	121.1	127.6	104.2	71.4	105.4	147.4	125.2	81.3	111.5
128.3	102.6	104.9	137.9	134.7	110.1	118.1	137.3	135.7	114.3	118.5	137.2
121.4	105.5	109.4	125.9	129.5	109.5	118.6	124.4	125.0	105.7	111.3	117.5
132.0	94.5	107.6	153.7	137.7	100.5	111.6	148.4	141.4	109.9	117.8	151.8
139.7	124.7	76.7	120.0	143.1	151.6	142.3	142.0	153.9	165.9	149.6	154.1
127.6	111.3	106.3	136.4	136.4	124.6	124.3	132.8	131.2	123.3	125.4	138.0
119.2	105.7	97.7	131.9	130.3	117.9	116.0	120.8	119.0	111.9	112.8	119.5
130.8	121.9	133.5	149.0	142.0	132.5	149.4	151.5	147.3	136.9	153.6	161.0
119.5	107.2	109.4	130.5	121.7	119.7	118.7	138.2	126.2	127.6	129.4	145.7
142.7	111.1	85.6	133.7	151.7	129.5	113.0	123.7	134.5	120.3	107.9	131.4
131.0	127.7	131.3	130.3	130.2	126.6	136.9	131.5	132.9	124.3	132.9	130.3
113.7	105.9	115.6	116.3	118.6	110.7	128.4	122.3	128.0	108.7	117.5	118.1
120.7	112.9	119.5	125.0	125.7	120.1	124.6	127.2	129.2	125.9	133.3	130.4
142.1	155.1	173.4	169.1	156.2	162.7	185.6	174.3	165.3	163.1	176.1	169.2
181.0	191.8	177.3	163.6	158.3	166.0	167.8	152.9	145.9	151.4	160.9	152.3
115.9	95.5	97.5	123.9	122.6	105.9	110.9	126.5	126.8	111.8	117.0	134.3
117.3	86.7	88.0	124.7	124.4	98.7	104.6	127.1	128.8	101.5	109.8	135.0
115.6	104.1	109.2	127.7	123.9	115.3	120.7	127.8	126.0	120.9	124.1	131.1
115.0	97.1	97.7	121.0	120.3	105.9	109.7	125.2	125.8	114.1	118.3	135.8
129.6	145.1	153.1	162.8	149.5	167.8	179.8	178.0	155.0	165.3	175.5	167.7
131.5	145.1	157.8	170.6	153.7	171.8	187.5	188.7	160.2	168.4	182.9	176.0
122.3	138.6	137.3	142.8	142.2	152.3	151.4	147.6	141.8	153.1	151.8	142.2
124.8	151.3	138.8	133.4	130.2	157.7	158.9	140.0	135.1	157.6	151.7	140.2
124.8	104.9	85.7	125.0	130.4	133.1	125.5	131.0	140.2	135.2	131.5	134.4
135.2	111.9	74.0	130.4	141.2	153.7	134.9	137.1	156.0	153.2	143.0	140.4
104.6	84.1	96.2	106.8	107.3	92.8	106.4	112.7	110.1	97.3	109.1	113.9
115.1	99.6	92.7	122.5	119.9	115.2	111.7	126.0	122.6	119.1	112.5	131.2
122.3	113.2	110.9	133.2	131.4	128.1	129.4	139.4	138.4	135.1	136.7	144.4

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan -Bulanan

Industrial Production Index of Manufacturing Sector by Group - Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2017							
				Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
	68.25	C	PEMBUATAN MANUFACTURING	108.3	99.7	109.5	105.9	110.6	111.8	113.1	113.0
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	101.2	98.8	105.2	109.5	110.6	105.2	124.2	120.1
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	99.4	97.7	104.1	109.6	109.7	102.9	125.9	120.8
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	115.6	102.4	112.3	111.8	123.0	127.4	120.7	122.3
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	109.7	109.3	111.6	105.2	107.7	110.2	104.6	107.5
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	106.8	106.8	114.1	113.0	123.2	113.8	109.5	110.0
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	99.7	105.0	108.4	108.7	112.9	110.3	109.4	108.1
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	109.1	106.7	118.0	115.3	132.5	117.9	109.2	111.8
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	124.6	114.5	120.1	120.1	125.4	111.3	111.1	110.0
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	110.8	108.3	111.0	108.3	109.9	109.7	108.5	107.6
3.1	1.44	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	104.0	103.6	108.9	108.9	106.5	106.4	103.6	103.1
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	112.9	109.1	111.8	113.7	109.2	103.4	103.2	100.1
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	110.3	102.4	96.9	107.3	105.3	116.4	115.0	109.5
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	118.2	119.2	125.7	102.3	119.3	115.0	115.1	120.5
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	105.5	102.6	110.5	102.3	109.4	109.6	108.3	107.2
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	108.8	104.3	112.9	97.3	107.6	109.5	105.6	100.0
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	102.3	101.3	110.8	108.0	111.3	112.6	110.0	114.8
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	89.4	99.7	104.4	113.3	127.5	99.1	112.0	110.9
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	104.5	101.4	105.8	103.9	109.0	106.3	111.3	111.2
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	108.4	97.1	108.4	107.6	109.2	111.7	114.1	111.0
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	103.8	97.1	109.1	105.9	107.4	110.8	109.8	112.1
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	98.3	97.6	107.9	107.7	107.4	113.1	118.1	110.9
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	118.2	96.7	108.1	108.8	111.8	111.6	115.1	110.2
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	113.0	94.7	110.0	109.0	115.7	121.8	119.4	120.1
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	114.9	92.1	108.1	105.6	114.2	123.3	120.3	120.5
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	110.7	99.1	111.7	115.0	116.9	119.7	112.0	114.0
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	103.4	107.1	120.1	124.6	123.8	114.4	121.4	123.7
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	111.7	102.4	110.2	97.7	98.5	99.7	96.8	108.4
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	119.5	111.0	108.2	97.6	93.9	93.3	89.6	98.3
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	99.3	86.4	113.0	92.6	97.4	97.9	82.1	126.3
7.3	0.74	32	Pembuatan lain Other manufacturing	110.6	100.7	103.0	96.0	93.8	101.3	102.6	104.4
7.4	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	99.8	93.0	121.6	107.8	123.4	127.6	143.8	126.6

2018													
Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.
113.7	115.5	113.9	113.7	115.7	104.4	114.0	111.6	115.1	116.9	119.0	117.8	119.1	121.7
115.9	120.2	121.9	125.2	117.5	100.9	111.6	114.6	114.3	108.8	120.7	122.6	123.9	123.3
116.6	121.2	122.8	126.6	117.9	100.0	111.4	114.6	113.4	106.5	121.2	123.2	125.1	124.4
121.0	127.4	126.4	129.1	119.1	104.3	115.0	120.5	128.0	132.6	125.2	126.5	126.2	128.8
99.8	95.6	103.7	99.3	110.1	109.5	110.3	106.9	109.6	112.3	107.3	109.9	103.2	100.9
117.8	121.5	126.6	120.2	116.9	114.4	118.1	117.4	125.9	120.8	113.5	113.2	120.4	124.1
114.8	111.8	120.9	102.2	107.4	110.0	111.2	111.1	114.8	114.4	111.5	110.4	117.5	113.9
123.4	135.2	134.1	137.3	122.9	117.7	122.6	121.0	135.4	127.5	114.9	116.0	125.4	138.0
106.4	103.7	117.8	120.5	129.5	118.7	127.0	127.5	130.2	117.8	115.2	112.5	111.3	107.2
110.7	110.0	115.0	118.2	115.5	112.2	115.7	111.6	112.8	115.6	115.0	114.4	117.7	117.2
103.3	107.4	112.4	113.9	111.8	111.2	112.5	112.8	110.0	111.4	108.7	111.0	111.9	116.5
117.8	106.3	115.3	121.0	117.8	111.8	116.7	118.0	115.5	111.5	112.5	106.5	118.4	109.7
107.9	109.0	113.8	128.2	110.5	105.9	104.8	108.0	108.7	121.2	119.8	115.3	112.9	114.6
115.4	118.5	119.2	112.3	122.6	119.8	128.7	105.9	117.4	120.9	122.1	127.2	129.2	128.7
108.8	113.8	110.5	111.0	112.0	109.8	112.1	106.5	113.5	113.3	112.7	111.0	112.9	118.5
103.3	109.5	110.6	110.6	116.1	112.3	111.8	100.1	110.8	111.1	106.4	103.0	106.5	115.2
114.6	119.5	110.4	111.5	109.7	110.1	115.0	114.5	117.4	118.1	118.6	117.7	117.9	120.7
121.2	119.2	111.1	105.5	97.2	108.3	110.8	121.9	130.6	104.5	117.3	118.1	128.3	125.2
111.2	114.1	110.5	111.6	107.9	104.3	108.7	107.0	112.1	111.8	116.9	117.4	117.8	121.6
110.1	111.8	110.5	110.0	115.0	101.9	113.3	113.1	114.7	117.5	120.5	116.4	115.1	117.0
109.1	115.4	113.7	115.3	111.5	102.6	114.7	111.6	113.8	117.3	118.0	118.0	115.0	120.1
110.4	107.3	107.3	105.8	105.3	103.4	112.3	111.5	110.7	116.8	122.2	115.3	114.5	112.4
110.6	111.9	110.0	108.6	123.8	100.5	112.8	115.3	117.8	118.1	121.4	115.8	115.6	117.3
123.0	122.9	118.2	116.2	119.4	99.9	116.3	116.7	121.2	128.5	128.9	125.6	129.7	131.6
126.2	127.3	122.6	119.3	121.9	97.7	115.0	114.3	120.3	130.4	131.4	127.3	134.5	137.5
120.4	117.3	104.7	109.1	113.3	101.4	114.6	117.7	119.4	122.7	117.7	116.3	121.5	120.7
104.3	100.1	103.3	103.8	110.0	112.6	126.6	131.8	128.9	122.0	124.8	123.7	106.9	104.6
105.6	99.9	102.0	99.6	115.6	100.3	115.9	105.3	103.4	104.4	109.9	116.4	108.0	110.0
92.4	99.4	97.5	98.3	121.7	103.1	115.7	107.2	99.0	99.3	107.6	107.0	94.0	110.0
118.3	90.5	101.6	103.4	102.8	88.6	116.4	94.8	100.3	100.4	90.3	132.2	116.6	97.5
114.1	99.6	99.7	101.5	114.0	103.6	106.0	102.3	98.7	105.0	109.8	110.8	121.8	109.0
132.0	117.1	123.9	96.9	111.8	103.7	126.0	116.8	130.6	131.6	149.8	136.6	139.1	130.3

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan -Bulanan

Industrial Production Index of Manufacturing Sector by Group - Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2018		2019					
				Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
	68.25	C	PEMBUATAN MANUFACTURING	118.1	118.7	120.6	108.3	118.7	116.4	119.9	121.4
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	119.8	123.8	120.6	107.3	119.1	119.4	119.4	113.0
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	120.3	124.4	120.7	106.6	119.2	119.3	118.5	110.6
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	127.6	130.8	121.8	107.2	116.1	124.1	132.4	136.7
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	102.1	105.5	117.3	116.9	122.3	115.6	114.7	117.1
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	132.7	125.2	123.3	118.5	123.9	124.1	133.2	127.4
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	123.8	104.5	111.6	113.3	115.4	118.4	121.6	120.4
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	144.7	145.7	132.3	123.0	129.3	127.1	143.0	134.3
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	118.7	122.2	132.1	120.5	135.1	133.5	138.2	125.9
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	118.2	124.2	122.1	118.4	121.4	117.3	120.1	121.0
3.1	1.44	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	116.5	120.2	118.7	117.2	116.2	117.0	116.2	116.1
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	115.7	125.9	119.5	117.0	122.1	123.8	121.5	116.3
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	120.2	131.2	117.6	110.9	109.0	112.5	114.5	126.1
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	121.7	121.5	133.5	128.4	139.0	115.0	128.9	128.6
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	114.3	114.9	116.5	111.6	116.3	110.3	117.2	116.6
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	116.4	112.4	120.6	112.6	116.6	104.1	113.1	114.1
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	110.8	114.7	112.6	110.7	117.0	115.6	120.4	121.0
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	114.4	114.1	101.6	115.0	119.7	125.7	135.2	109.9
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	114.6	120.6	114.8	110.4	114.3	114.3	119.6	116.2
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	115.0	114.5	120.0	106.6	117.3	117.7	119.1	123.1
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	118.4	120.3	117.9	107.6	119.6	116.6	118.4	123.3
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	111.6	109.4	108.7	107.2	115.7	115.9	114.6	121.9
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	114.5	113.1	128.5	105.5	116.5	119.6	122.3	123.8
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	124.4	124.7	124.1	103.0	119.5	121.5	125.8	132.9
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	129.8	128.8	126.2	100.6	118.2	119.1	125.3	135.5
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	107.2	114.0	121.4	106.4	118.9	122.5	121.4	124.6
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	107.4	108.8	113.1	115.0	128.3	135.8	133.1	125.1
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	110.5	106.5	122.9	107.4	123.0	112.9	110.5	110.3
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	106.3	107.2	129.6	110.6	123.4	117.4	108.2	107.2
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	109.9	106.7	108.5	96.3	121.0	98.5	105.0	106.3
7.3	0.74	32	Pembuatan lain Other manufacturing	103.8	106.3	119.8	108.3	111.6	107.5	104.3	107.9
7.4	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	135.5	103.9	120.2	110.7	135.2	122.3	134.7	131.9

2020													
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.
123.8	122.0	122.1	124.5	121.3	122.7	123.1	115.0	113.8	73.1	92.8	127.1	127.4	124.7
121.6	125.5	125.8	124.3	122.4	124.5	113.9	112.0	107.4	108.7	116.4	124.9	129.3	131.5
121.7	125.5	126.9	125.3	122.6	124.3	113.1	111.3	107.5	119.8	126.4	130.1	131.7	133.6
128.6	134.1	126.6	128.9	134.0	135.6	123.1	112.6	106.8	66.7	78.9	97.5	110.9	120.1
111.4	114.6	108.8	104.5	106.2	113.2	115.3	122.2	107.2	2.6	19.8	84.9	117.8	117.1
120.0	120.0	125.3	130.8	141.2	131.2	127.2	126.4	122.5	32.5	72.9	115.1	104.5	106.8
118.0	115.8	120.8	116.6	128.6	109.2	114.9	120.4	112.6	41.8	72.6	101.1	97.7	102.8
121.6	124.0	131.2	149.1	156.7	153.4	137.3	131.8	128.4	25.0	70.3	131.0	114.5	115.2
121.2	120.0	118.5	111.7	127.2	127.1	134.1	127.8	136.5	26.7	84.7	105.1	90.3	88.3
121.4	120.9	124.6	122.6	124.7	130.3	125.7	125.9	114.1	37.1	73.0	129.9	122.4	117.9
114.8	116.9	119.2	121.3	121.6	125.6	121.7	125.1	113.3	24.3	56.8	122.4	102.8	102.3
118.0	111.5	123.3	113.1	124.9	128.7	119.7	122.9	111.9	64.9	95.7	128.8	125.8	114.2
125.8	121.4	119.0	117.3	120.3	135.8	124.7	117.7	101.7	51.6	80.3	118.1	131.7	123.8
130.2	136.5	138.3	139.6	132.7	133.6	139.0	137.3	128.6	11.1	63.7	151.9	137.3	138.4
116.5	114.2	115.3	120.1	117.3	119.1	120.8	118.8	120.5	86.7	91.2	118.4	118.3	116.2
110.5	105.8	109.1	117.6	117.8	116.4	125.1	119.9	117.5	66.3	69.7	100.3	98.4	96.9
120.9	120.3	119.9	121.2	113.7	117.0	114.9	116.1	115.5	87.1	91.6	111.7	110.9	110.1
125.1	122.5	129.3	127.2	119.4	117.8	105.7	121.3	123.9	131.3	139.3	149.6	151.6	150.7
122.3	122.5	120.8	123.0	121.1	127.9	121.3	120.3	133.4	125.1	131.3	162.9	167.5	162.3
125.8	121.2	119.5	120.6	119.3	119.7	124.6	113.2	105.8	43.9	65.3	105.6	113.4	113.5
122.9	124.0	119.8	124.0	123.4	126.3	122.9	114.0	106.3	32.7	58.3	98.6	111.0	113.7
128.0	119.6	118.3	117.4	117.1	115.1	112.7	116.2	105.8	56.8	72.1	128.3	132.0	123.4
126.7	120.0	120.2	119.8	117.4	117.5	133.3	110.8	105.4	44.6	66.6	97.0	103.9	107.2
135.3	129.5	130.7	134.7	125.7	128.5	128.0	110.2	113.6	80.0	111.7	150.5	148.5	138.7
138.5	131.1	134.7	140.1	130.0	132.6	130.4	108.5	113.6	75.9	108.4	152.1	151.9	141.8
119.4	118.3	125.0	127.2	110.6	117.7	123.2	109.6	110.0	84.6	111.8	141.2	132.6	127.1
130.8	130.1	110.8	107.8	113.8	113.4	117.5	121.6	117.4	101.6	132.5	149.7	142.9	130.3
116.2	123.3	114.8	114.8	115.4	111.5	124.6	112.6	110.5	34.6	68.0	122.1	121.8	127.6
115.7	115.5	101.9	115.2	110.3	112.2	129.1	116.3	112.2	35.2	65.5	128.7	129.3	129.0
94.1	135.6	126.2	100.9	114.2	109.9	112.1	100.1	103.4	29.1	63.6	103.2	89.6	117.4
115.8	117.3	122.2	116.2	114.9	114.3	123.8	114.3	103.0	20.7	56.0	113.0	120.8	124.9
153.3	142.0	143.3	133.0	139.2	108.7	126.0	115.2	122.1	54.5	96.8	133.0	141.9	140.6

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan -Bulanan

Industrial Production Index of Manufacturing Sector by Group - Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2020		2021					
				Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.
	68.25	C	PEMBUATAN MANUFACTURING	127.3	127.4	123.7	127.8	127.5	120.1	128.3	122.8
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	131.9	120.1	111.7	114.6	114.0	103.7	115.2	122.5
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	134.0	120.9	111.2	112.8	112.9	101.5	114.7	122.4
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	119.5	119.6	118.2	130.6	120.1	111.9	116.7	136.1
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	117.2	109.8	112.2	119.3	122.1	125.5	120.2	106.1
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	120.2	127.4	135.6	132.9	126.1	125.1	133.6	107.4
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	112.9	111.9	123.8	111.1	115.2	120.0	129.1	102.1
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	132.4	148.7	151.7	154.3	133.4	128.4	134.2	102.3
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	98.7	101.3	116.0	131.1	139.2	131.6	148.2	148.9
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	127.4	124.4	127.5	134.6	128.8	127.0	126.8	116.0
3.1	1.44	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	116.0	115.8	121.5	126.5	118.3	120.1	119.2	109.1
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	129.6	119.5	129.4	135.5	130.1	130.7	131.7	122.5
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	122.3	120.2	123.7	141.7	125.9	119.8	112.8	116.5
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	145.0	145.5	137.0	138.6	144.5	139.1	144.4	117.9
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	119.0	122.4	119.6	128.3	126.2	129.4	137.5	119.3
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	98.7	104.5	104.9	112.0	109.7	115.8	115.7	93.3
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	113.1	112.2	108.2	119.0	115.2	120.3	126.5	106.2
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	161.1	150.0	135.9	138.4	125.7	147.3	153.5	149.9
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	166.3	171.9	165.2	174.5	176.4	169.3	197.3	189.5
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	114.9	117.9	116.4	118.1	123.4	110.2	114.2	105.8
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	111.8	120.9	120.8	125.9	123.3	113.1	115.6	102.9
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	123.2	122.4	120.5	119.3	118.1	114.6	114.2	113.7
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	112.3	112.7	110.5	111.3	126.7	105.2	113.2	103.1
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	143.5	144.9	136.1	138.3	138.2	121.5	129.3	136.1
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	149.3	151.7	142.5	144.3	142.2	121.8	130.6	134.3
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	135.0	134.1	115.3	122.4	130.9	116.0	120.1	135.2
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	115.2	112.0	116.5	116.4	119.7	124.5	130.2	148.8
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	119.9	118.7	122.9	120.9	124.4	116.3	133.7	129.9
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	115.6	124.4	126.1	132.1	131.0	124.8	149.8	152.0
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	112.5	93.3	112.0	106.5	108.8	99.3	105.8	90.2
7.3	0.74	32	Pembuatan lain Other manufacturing	130.8	122.0	115.7	111.6	121.5	109.5	114.3	110.4
7.4	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	138.7	131.5	133.8	105.8	124.0	113.8	129.2	119.0

2022													
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun
120.4	126.9	119.1	125.4	132.3	137.6	137.7	138.5	136.1	126.4	137.2	130.4	128.8	145.2
117.2	116.9	115.2	122.8	134.6	131.3	126.2	126.3	121.6	110.5	119.9	127.7	122.7	126.1
118.4	127.9	125.5	131.5	140.6	131.7	126.1	124.9	120.8	107.8	119.3	126.3	123.4	128.0
117.9	83.0	88.0	120.0	127.1	137.1	132.9	142.4	129.4	121.0	125.0	150.6	129.6	132.7
99.4	3.1	2.4	2.4	59.2	118.4	117.9	126.9	123.7	137.1	122.2	118.6	104.0	90.0
102.0	98.4	92.5	102.8	119.4	131.4	143.8	138.5	132.4	131.1	140.7	112.5	107.1	110.6
102.5	111.9	100.2	104.0	124.0	120.5	137.5	119.8	124.8	127.7	135.9	106.3	106.1	116.0
90.7	90.3	91.5	108.3	123.0	148.4	155.4	157.4	137.3	132.9	143.0	109.4	95.5	96.5
146.2	79.0	67.0	76.2	86.8	104.6	121.1	134.3	141.8	137.1	150.5	149.5	158.2	147.0
111.7	106.3	93.3	104.9	120.8	126.1	139.5	143.4	139.9	133.1	136.2	127.7	121.5	124.6
107.7	100.3	79.2	100.0	113.8	121.8	136.6	137.2	131.6	128.2	131.1	117.7	117.9	118.1
114.2	129.0	122.8	129.8	147.9	139.9	154.6	152.4	149.2	138.8	138.1	132.3	122.6	142.6
110.8	94.2	98.8	110.6	118.7	119.9	125.8	145.9	127.6	120.8	116.6	126.4	120.3	112.5
115.3	99.9	75.5	79.1	102.1	122.4	139.0	139.8	151.9	144.6	158.5	137.6	126.4	124.5
122.9	140.8	135.2	132.5	126.2	130.1	129.8	131.0	126.3	126.5	137.7	117.8	120.7	141.3
107.0	117.6	122.6	116.3	107.9	114.9	121.3	112.8	111.8	114.1	129.9	92.4	109.1	130.5
103.6	128.7	115.1	122.3	121.1	124.9	118.9	131.3	123.4	125.8	127.9	116.8	112.1	131.6
149.4	166.1	165.1	170.3	184.8	177.7	162.0	167.7	150.8	155.2	162.7	159.9	154.9	173.4
181.5	204.3	187.7	177.5	166.8	164.9	160.4	165.5	158.5	150.6	165.8	168.7	154.3	174.9
97.5	83.2	82.1	98.8	111.7	122.0	125.2	124.4	131.1	116.1	120.6	111.2	102.7	104.0
86.3	70.8	69.8	93.7	100.5	119.3	125.2	129.5	130.0	119.9	123.2	110.7	91.6	93.6
104.8	93.6	91.5	111.8	124.4	126.8	128.0	128.3	125.7	120.6	125.4	121.4	113.1	111.3
101.8	86.3	86.0	94.7	112.4	121.2	123.5	118.1	135.2	110.2	115.6	105.1	104.8	107.7
135.9	163.2	145.9	152.2	161.2	164.6	160.4	163.5	158.1	137.1	153.3	155.4	157.1	190.8
134.9	166.2	149.4	155.9	168.0	172.0	168.0	171.7	165.0	138.6	157.4	156.5	160.3	198.4
130.5	150.2	131.4	133.1	147.5	150.4	134.2	143.7	145.1	134.7	147.0	149.8	142.2	164.8
147.4	157.5	138.0	147.3	131.2	131.6	138.3	130.5	127.0	129.9	133.7	153.6	151.2	168.4
114.8	69.9	68.5	83.8	104.7	123.9	128.5	122.5	129.5	125.6	135.9	137.4	129.1	132.8
128.6	55.2	57.0	69.6	95.5	130.7	130.5	129.9	137.6	137.1	149.0	159.7	147.1	154.1
82.0	80.2	68.7	105.7	114.1	95.5	115.6	109.2	110.7	103.0	108.4	96.2	89.9	92.3
109.5	78.9	76.3	82.6	119.2	128.0	123.2	116.4	123.5	117.1	119.1	112.9	121.2	111.3
114.2	106.3	108.4	110.1	114.1	135.8	145.2	118.6	131.6	121.5	141.2	132.8	123.2	128.3

7c Indeks Pengeluaran Perindustrian Sektor Pembuatan mengikut Kumpulan -Bulanan

Industrial Production Index of Manufacturing Sector by Group - Monthly

Bil. No.	Wajaran Weights 2015	Kod Codes	Keterangan Subsektor Sub-sector Description	2022					2023	
				Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.
	68.25	C	PEMBUATAN MANUFACTURING	136.9	144.5	146.1	143.4	144.4	142.6	137.9
1	8.55		Makanan, Minuman dan Tembakau Food, Beverages and Tobacco	128.1	136.8	141.3	133.5	132.2	130.6	127.0
1.1	7.39	10	Pembuatan produk makanan Manufacture of food products	132.0	141.5	145.7	136.5	132.4	130.8	125.5
1.2	0.65	11	Pembuatan minuman Manufacture of beverages	132.8	137.8	142.1	138.7	140.1	143.4	127.2
1.3	0.52	12	Pembuatan produk tembakau Manufacture of tobacco products	67.8	69.5	77.0	85.1	119.9	111.1	147.9
2	1.33		Produk Tekstil, Pakaian, Kulit dan Kasut Textiles, Wearing Apparel, Leather Products and Footwear	109.1	116.1	129.0	129.1	144.9	137.9	130.0
2.1	0.58	13	Pembuatan tekstil Manufacture of textiles	110.9	114.0	130.8	122.0	132.6	118.8	119.0
2.2	0.60	14	Pembuatan pakaian Manufacture of wearing apparel	100.4	111.0	123.5	136.4	155.8	153.0	135.2
2.3	0.15	15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	137.1	145.4	144.4	126.9	148.2	151.0	152.1
3	4.56		Produk Kayu, Perabot, Keluaran Kertas dan Percetakan Wood Products, Furniture, Paper Products and Printing	119.3	122.3	131.3	126.5	134.6	137.2	131.3
3.1	1.44	16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	112.8	113.1	122.1	121.9	120.7	119.6	112.5
3.2	1.15	17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	139.9	145.6	162.6	143.4	155.2	156.0	152.5
3.3	0.93	18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	108.9	119.8	127.3	126.4	136.8	151.4	130.9
3.4	1.04	31	Pembuatan perabot Manufacture of furniture	114.8	111.5	112.8	114.2	128.9	128.1	134.1
4	20.60		Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	136.6	139.6	134.4	134.2	130.3	129.9	128.9
4.1	9.36	19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	129.6	131.2	124.5	127.1	123.2	116.7	124.2
4.2	6.37	20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	119.6	128.0	126.2	125.1	124.7	131.8	124.6
4.3	0.38	21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceuticals, medicinal chemical and botanical products	180.8	184.9	191.1	181.9	165.0	175.9	155.9
4.4	4.49	22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	171.5	170.0	161.8	157.7	150.2	150.9	142.4
5	9.11		Produk Mineral Bukan Logam, Logam Asas dan Produk Logam yang Direka Non-metallic Mineral Products, Basic Metal and Fabricated Metal Products	101.7	112.2	118.8	125.7	126.6	127.1	130.3
5.1	2.97	23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	94.0	109.3	110.7	123.5	125.4	132.3	131.5
5.2	2.35	24	Pembuatan logam asas Manufacture of basic metals	111.6	124.5	126.1	129.1	129.8	124.4	119.8
5.3	3.79	25	Pembuatan produk logam yang direka, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	101.6	107.0	120.7	125.4	125.5	124.7	135.8
6	18.23		Produk Peralatan Elektrik dan Elektronik Electrical and Electronics Products	171.1	182.0	186.3	179.0	179.8	175.3	158.8
6.1	13.89	26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	176.9	189.5	196.1	189.7	191.7	184.7	166.3
6.2	2.20	27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	145.6	147.2	161.5	157.2	139.3	146.4	141.1
6.3	2.14	28	Pembuatan jentera dan peralatan t.t.l. Manufacture of machinery and equipment n.e.c.	159.8	168.9	148.1	132.1	144.2	143.9	128.6
7	5.87		Kelengkapan Pengangkutan dan Pembuatan Lain Transport Equipment and Other Manufactures	118.9	130.1	127.4	123.4	136.8	133.0	139.9
7.1	3.17	29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	131.1	144.1	129.5	123.3	142.8	145.2	154.3
7.2	1.19	30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	83.8	112.6	122.8	107.1	119.0	112.1	111.1
7.3	0.74	32	Pembuatan lain Other manufacturing	112.0	100.2	122.9	128.5	129.8	119.6	124.7
7.4	0.76	33	Membaiki dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	130.2	128.4	129.7	143.8	146.7	127.7	139.4

Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.
132.4	142.8	126.5	135.4	142.8	136.6	143.6	146.7	144.7	144.3	140.6
122.0	129.0	121.5	137.0	129.7	133.1	142.1	148.4	142.2	143.9	138.0
121.0	127.9	119.4	136.0	130.8	136.6	146.9	153.2	145.3	145.1	138.2
118.2	124.2	142.4	143.9	134.9	135.3	138.2	143.0	145.6	146.2	153.0
142.4	151.9	126.2	141.6	107.9	79.4	77.9	86.6	93.6	124.4	116.5
133.6	143.4	115.3	113.6	114.1	111.0	116.1	128.5	131.0	145.8	134.7
123.5	132.5	102.9	105.0	109.1	103.9	108.2	121.9	114.8	126.2	111.5
140.2	148.8	115.3	105.3	109.1	108.6	115.3	129.3	144.9	161.0	149.6
145.8	163.9	163.1	181.0	153.6	148.0	149.9	150.9	137.6	160.3	164.5
132.6	129.6	120.2	125.4	124.4	119.5	124.6	131.9	132.5	139.4	142.2
125.0	119.5	106.0	116.2	113.6	109.0	111.8	117.5	124.0	118.5	116.0
146.6	142.8	134.1	131.1	145.5	142.3	150.4	168.2	150.1	167.7	165.1
126.7	120.9	130.3	131.1	121.3	117.8	131.7	138.6	138.1	140.9	158.2
133.0	136.5	115.5	126.7	118.6	110.3	107.6	105.9	119.7	135.5	139.0
128.8	141.2	113.9	124.4	134.7	131.1	136.3	131.4	134.1	130.4	126.4
121.5	138.2	93.8	115.7	116.4	116.5	121.3	114.9	122.0	121.0	111.3
129.2	133.7	118.2	118.9	140.8	128.4	137.9	133.6	132.9	127.8	130.3
169.3	170.8	163.9	160.1	165.3	174.0	176.2	178.3	177.9	154.3	175.5
139.8	155.5	145.3	147.1	161.7	161.6	162.2	158.9	157.2	151.5	148.3
123.6	126.6	114.8	111.0	109.4	106.2	116.8	128.0	132.7	135.5	134.8
126.1	128.7	112.7	95.0	96.9	96.8	113.0	119.5	131.6	134.1	139.3
126.8	131.6	125.1	121.2	116.4	114.2	125.0	133.2	132.3	135.3	125.8
119.6	121.9	110.2	117.3	114.9	108.6	114.7	131.5	133.9	136.7	136.8
144.6	161.8	151.7	160.0	184.0	168.3	175.6	182.5	172.1	167.6	163.5
147.6	166.9	153.7	161.1	190.4	174.1	182.3	192.4	181.5	175.1	171.3
137.0	147.3	142.1	153.0	164.2	146.6	147.8	161.0	153.3	137.9	135.3
133.1	143.5	148.9	160.6	163.3	153.5	160.8	140.8	129.8	149.2	141.5
136.0	144.6	125.0	145.4	135.1	129.1	134.6	130.7	132.3	138.7	132.2
150.2	163.6	134.9	170.8	153.8	146.6	149.6	132.9	136.4	143.4	141.5
108.6	110.4	96.9	96.3	98.6	87.1	115.1	125.2	108.9	121.3	111.6
122.9	120.1	113.5	131.6	112.3	113.2	100.7	123.8	133.2	133.4	126.9
133.0	142.8	139.1	130.1	135.9	137.4	135.8	136.8	150.7	151.4	131.0

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Nota Teknikal

Technical Notes



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OBJEKTIF

Objektif utama penerbitan ini ialah untuk menyediakan indikator tambahan kepada pengguna dalam menilai prestasi semasa sektor Pembuatan di Malaysia.

SKOP DAN LIPUTAN

Data kapasiti penggunaan Pembuatan dipungut dalam Survei Pembuatan Bulanan yang meliputi seluruh Malaysia. Penerbitan ini memaparkan statistik kapasiti penggunaan industri Pembuatan di Malaysia di peringkat Bahagian (2-digit), Kumpulan (3-digit) dan negeri mulai Januari 2015 yang diterbitkan buat kali pertama pada Mei 2023.

Statistik 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).

Sektor Pembuatan	MSIC (2-digit)	Keterangan Subsektor
2 5 1 Industri Seksyen C - 24 Bahagian yang terdiri daripada 71 kumpulan aktiviti pembuatan	10, 11, 12	Makanan, minuman dan tembakau
	13, 14, 15	Tekstil, pakaian, kulit dan kasut
	16, 17, 18, 31	Produk kayu, perabot, keluaran kertas dan percetakan
	19, 20, 21, 22	Petroleum, kimia, getah dan plastik
	23, 24, 25	Produk mineral bukan logam, logam asas dan produk logam yang direka
	26, 27, 28	Produk elektrik dan elektronik
	29, 30, 32, 33	Kelengkapan pengangkutan dan pembuatan lain

SUMBER STATISTIK

Rangka statistik bagi survei ini adalah daripada *Malaysia Statistical Business Register* (MSBR). MSBR adalah senarai pertubuhan/perusahaan yang beroperasi di Malaysia yang merangkumi Daftar Syarikat (ROC), Daftar Perniagaan (ROS) dan Perkongsian Liabiliti Terhad (LLP) yang berdaftar dengan Suruhanjaya Syarikat Malaysia (SSM) serta pertubuhan yang berdaftar dengan pihak berkuasa tempatan (PBT) dan badan profesional. Senarai di MSBR dikemaskini secara berkala berdasarkan survei dan banci yang dijalankan oleh Jabatan Perangkaan Malaysia (DOSM) dan sumber data pentadbiran daripada agensi lain. Sumber utama data pentadbiran adalah daripada SSM. Selain itu, DOSM juga bekerjasama untuk mendapatkan maklumat terkini daripada agensi lain seperti Kumpulan Wang Simpanan Pekerja (KWSP), Jabatan Kastam Diraja Malaysia (JKDM), Lembaga Hasil Dalam Negeri Malaysia (LHDNM) dan PBT.

Rangka dikemaskini dengan mengambil kira pertubuhan baharu dan merekodkan perubahan status yang berlaku terhadap pertubuhan tersebut seperti tutup, tidak beroperasi, perubahan jenis aktiviti dan lokasi perniagaan/ alamat pos bagi memastikan maklumat yang terdapat dalam rangka adalah yang terkini.

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 industri bagi pertubuhan adalah berasaskan kepada aktiviti utama berdasarkan kepada Piawaian Klasifikasi Industri Malaysia (MSIC 2008) Versi 1.0. MSIC 2008 adalah selaras dengan *International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations* dengan pengubahsuaian mengikut keperluan tempatan.

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 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.

Kapasiti penggunaan merujuk kepada nisbah output sebenar yang dihasilkan berbanding pengeluaran output pada kapasiti penuh melalui gabungan optimum mesin, bahan mentah dan buruh.

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

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 (3) substrata untuk memastikan sampel yang diagihkan mengambil kira ciri-ciri ekonomi strata tersebut. Substrata utama bersifat heterogen dan diliputi secara penuh, manakala substrata selainnya 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 Mikro, Kecil dan Sederhana (PMKS).

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:

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

di mana:

n = saiz sampel	N_i = saiz populasi bagi strata i
S_i^2 = varian bagi strata i	V = varian sasaran

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

di mana:

$\hat{Y}_i$ = jumlah nilai jualan bagi strata i	RSE = ralat piawai relatif
Z = nilai aras keyakinan	

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

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

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

$$i = 1, 2, \dots$$

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.

PROSEDUR PENGIRAAN

Statistik kapasiti penggunaan Pembuatan disusun mengikut subsektor, Bahagian (2-digit), Kumpulan (3-digit) dan negeri. Pengiraan statistik kapasiti penggunaan Pembuatan (CU) di peringkat Malaysia (1D),

$$CU(1D) = \frac{\sum_{k=1}^{24} [CU(2D) \times WVA(2D)]_k}{WVA(1D)}$$

di mana:

$WVA(2D)$ = wajaran nilai ditambah bagi MSIC Bahagian (2-digit)	$WVA(1D) = 1$
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$CU(2D)$ = CU bagi MSIC Bahagian (2-digit)	$k = 1, 2, 3, \dots, 24$ iaitu 24 Bahagian (2-digit)
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Prosedur pengiraan yang sama digunakan untuk mendapatkan kapasiti penggunaan Pembuatan di peringkat negeri.

UNIT PELAPOR

Unit pelapor bagi survei ini ialah pertubuhan. Sesebuah pertubuhan secara ideal ditakrifkan sebagai “satu unit ekonomi yang bergiat di bawah satu hak milik atau penguasaan tunggal, iaitu di bawah satu entiti yang sah dan menjalankan satu jenis aktiviti ekonomi utama di satu lokasi fizikal”. Setiap pertubuhan diberikan klasifikasi industri berdasarkan aktiviti utamanya dan bukannya mengikut aktiviti syarikat induk. Bagi kes entiti yang mempunyai pelbagai aktiviti, unit yang terlibat dalam aktiviti yang berlainan dalam lokasi yang sama membentuk 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 praktis akaun biasanya disediakan secara berpusat kerana kesukaran untuk memperoleh data yang berasingan bagi setiap unit atau cawangan. Entiti atau ‘enterprise’ ini akan dianggap sebagai satu unit pelapor dan dibenarkan mengemukakan soal selidik yang menggabungkan semua unit atau cawangannya.

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.

PINDAAN

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

SIMBOL DAN SINGKATAN

Simbol-simbol berikut telah digunakan dalam keseluruhan penerbitan:

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

ST : Suku Tahunan

% : Peratus

CU : Kapasiti Penggunaan

W.P. : Wilayah Persekutuan

OBJECTIVE

The main objective of this publication is to provide additional indicators for the users in assessing the performance of the Manufacturing sector in Malaysia.

SCOPE AND COVERAGE

Manufacturing capacity utilisation data was collected from the Monthly Manufacturing Survey which covered the whole Malaysia. This publication presents statistics on the Manufacturing capacity utilisation at Division (2-digit), Group (3-digit) and state level since January 2015 which was released for the first time in May 2023.

Statistics 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).

Manufacturing sector	MSIC (2-digit)	Sub-sector Description
251 Industries Section C - 24 Divisions consist of 71 groups in manufacturing activities	10, 11, 12	Food, beverages and tobacco
	13, 14, 15	Textiles, wearing apparel, leather and footwear
	16, 17, 18, 31	Wood products, furniture, paper products and printing
	19, 20, 21, 22	Petroleum, chemical, rubber and plastics
	23, 24, 25	Non-metallic mineral products, basic metal and fabricated metal products
	26, 27, 28	Electrical and electronic products
	29, 30, 32, 33	Transport equipment and other manufacturers

STATISTICAL FRAME

The statistical frame of this survey is from the Malaysia Statistical Business Register (MSBR). MSBR is a list of organisations/ enterprises operating in Malaysia that includes the Register of Companies (ROC), Register of Business (ROB) and Limited Liability Partnership (LLP) registered with the Companies Commission of Malaysia (CCM) as well as organisations registered with local authorities (PBT) and professional bodies. The list in MSBR is updated regularly based on surveys and censuses conducted by the Department of Statistics Malaysia (DOSM) and administrative data sources from various agencies. The main source of administrative data is from the CCM. In addition, DOSM also works together to obtain the latest information from other agencies such as the Employees' Provident Fund (EPF), the Royal Malaysian Customs Department (JKDM), the Inland Revenue Board of Malaysia (LHDNM) and PBT.

The frame is updated to take into account new establishments and to record any changes in the Status of the establishments such as closed down, not in operation, change in activity and location/ correspondence address to ensure the frame is at the current status.

TYPE OF BUSINESS

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 based on the Malaysia Standard Industrial Classification (MSIC 2008) Version 1.0. The MSIC 2008 conforms to the International Standard Industrial Classification of All Economic Activities (ISIC), Rev. 4, United Nations, with modifications to suit local conditions.

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 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.

Capacity utilisation refers to a ratio of actual output produced to the production of output at full capacity through an optimal combination of machinery, raw materials and labour.

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

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 (3) 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 Micro, Small and Medium Enterprise (SME) categories.

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:

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

where:

n = sample size

N_i = population size for stratum i

S_i^2 = variance for stratum i

V = desired variance

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

where:

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

RSE = relative standard error

Z = value of confidence level

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

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

h = 2, 3 and 4

i = 1, 2, ...

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.

COMPUTATIONAL PROCEDURE

Manufacturing capacity utilisation statistics was compiled by sub-sector, Division (2-digit), Group (3-digit) and state. Calculation of Manufacturing capacity utilisation (CU) at Malaysia level (1D),

$$CU(1D) = \frac{\sum_{k=1}^{24} [CU(2D) \times WVA(2D)]_k}{WVA(1D)}$$

where:

$WVA(2D)$ = Weighted of value-added by MSIC Division (2-digit) $WVA(1D) = 1$

$CU(2D)$ = CU by MSIC Division (2-digit)

k = 1, 2, 3, ..., 24 which 24 Division 2-digit

The same procedure was used to derive Manufacturing capacity utilisation at the state level.

REPORTING UNIT

The reporting unit used in the survey was the establishment. The establishment is defined as “an economic unit engaged in one activity, under a single legal entity and operating in a single physical location”. Each establishment was assigned an industry classification based on its principal activity. In the case of a multi-activity entity, units engaged in separate activities in the same location constituted distinct establishments. Thus, each branch of a multi-branch organization at a different location was conceptually treated as a different establishment. The establishment was requested to give separate returns for each activity in terms of value. However, 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.

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.

REVISIONS

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

SYMBOLS AND ABBREVIATIONS

The following symbols have been used throughout the publication:

n.e.c. : Not elsewhere classified

Q : Quarter

% : Percent

CU : Capacity Utilisation

W.P. : Wilayah Persekutuan
