



**JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA**

PERANGKAAN PEMBUATAN BULANAN
MONTHLY MANUFACTURING STATISTICS

NOVEMBER 2021
NOVEMBER

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PEMAKLUMAN / ANNOUNCEMENT

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

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

Dimaklumkan bahawa Kerajaan Malaysia telah mengisytiharkan Hari Statistik Negara (MyStats Day) pada 20 Oktober setiap tahun. Tema sambutan MyStats Day adalah "Connecting the World with Data We Can Trust"

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"Sumber: Jabatan Perangkaan Malaysia".

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KATA PENGANTAR

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

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

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

Dato' Sri Dr. Mohd Uzir Mahidin

Ketua Perangkawan Malaysia

Januari 2022

PREFACE

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

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

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

Dato' Sri Dr. Mohd Uzir Mahidin

Chief Statistician Malaysia

January 2022

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KALENDAR KELUARAN AWALAN 2021, PERANGKAAN PEMBUATAN BULANAN
ADVANCE RELEASE CALENDAR YEAR 2021, MONTHLY MANUFACTURING STATISTICS

Bulan rujukan / Reference month	Tarikh / Date
Januari 2021 / January 2021	12.03.2021
Februari 2021 / February 2021	09.04.2021
Mac 2021 / March 2021	06.05.2021
April 2021 / April 2021	11.06.2021
Mei 2021 / May 2021	12.07.2021
Jun 2021 / June 2021	09.08.2021
Julai 2021 / July 2021	10.09.2021
Ogos 2021 / August 2021	12.10.2021
September 2021 / September 2021	09.11.2021
Oktober 2021 / October 2021	10.12.2021
November 2021 / November 2021	10.01.2022
Disember 2021 / December 2021	08.02.2022

Nota / Notes :

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

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



RINGKASAN PENEMUAN

SUMMARY OF FINDINGS



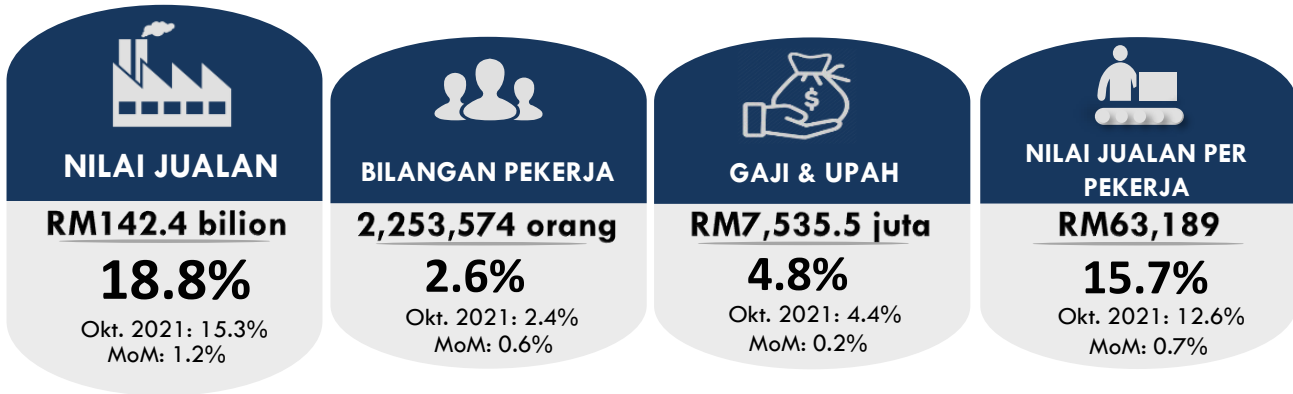


JABATAN PERDANA MENTERI
JABATAN PERANGKAAN MALAYSIA



www.dosm.gov.my

Sektor Pembuatan mencatatkan nilai jualan tertinggi sebanyak RM142.4 bilion dengan pertumbuhan 18.8 peratus pada November 2021



Nota : Peratus pertumbuhan berasaskan perubahan Tahun ke Tahun (YoY) dan Bulan ke Bulan (MoM)

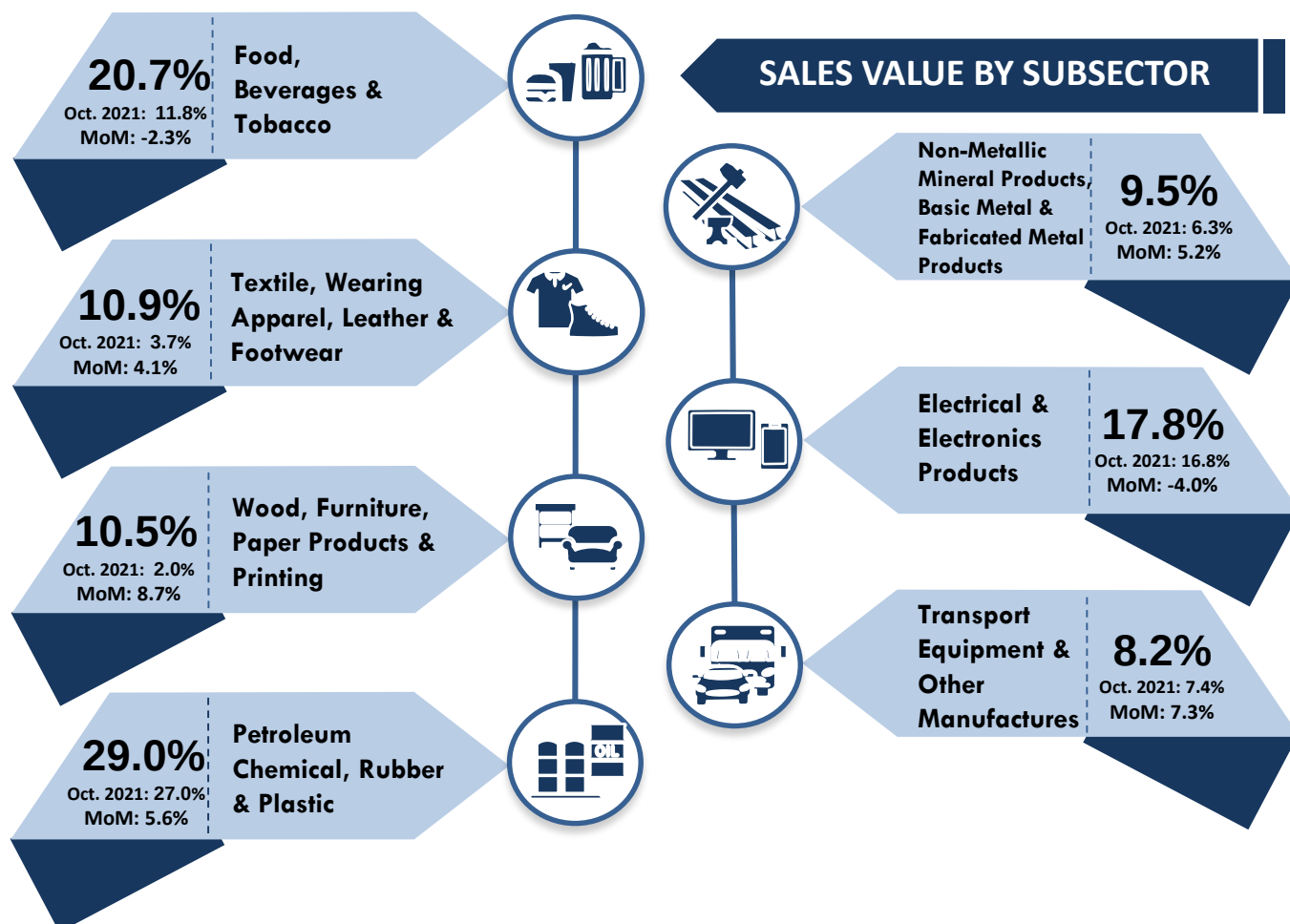
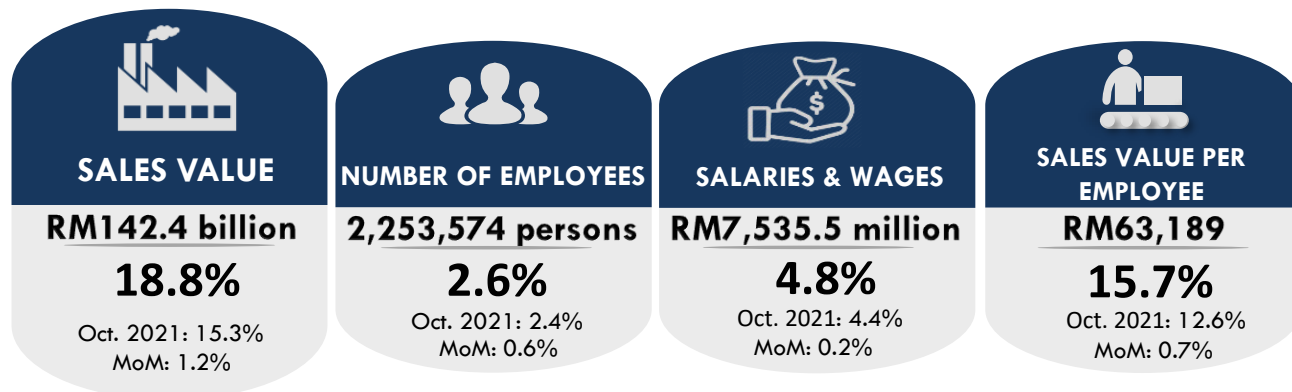
Sumber : Perangkaan Pembuatan Bulanan, Malaysia
November 2021
Jabatan Perangkaan Malaysia



PRIME MINISTER'S DEPARTMENT
DEPARTMENT OF STATISTICS MALAYSIA



Malaysia's Manufacturing recorded the highest sales value amounted to RM142.4 billion with growth of 18.8 per cent in November 2021



Note : Percentage growth refers to Year-on-Year (YoY) and Month-on-Month (MoM) changes

Source : Monthly Manufacturing Statistics, Malaysia
November 2021
Department of Statistics Malaysia

PERANGKAAAN PEMBUATAN BULANAN, MALAYSIA

NOVEMBER 2021

PRESTASI BULAN NOVEMBER 2021

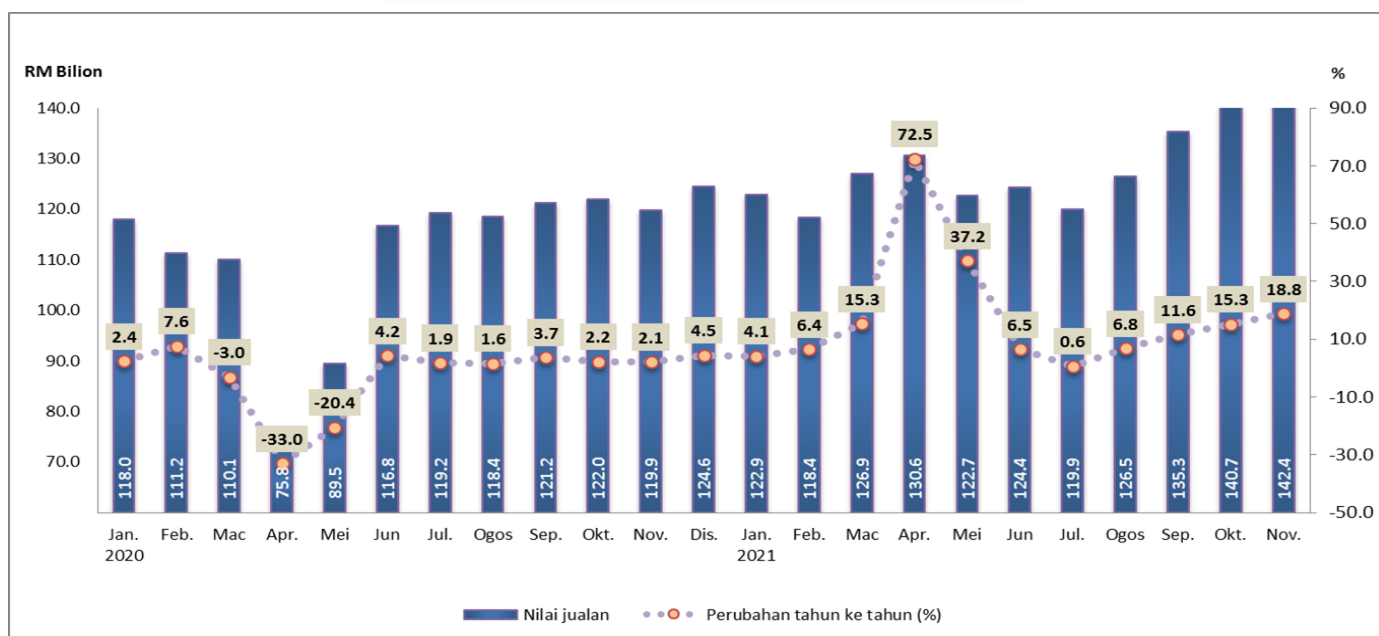
1

NILAI JUALAN SEKTOR PEMBUATAN

Nilai jualan sektor Pembuatan Malaysia pada bulan November 2021 berjumlah **RM142.4 bilion** meningkat kepada **18.8 peratus** berbanding RM119.9 bilion yang dilaporkan tahun sebelumnya (**Carta 1**). Berasaskan pertumbuhan bulan ke bulan, nilai jualan meningkat **1.2 peratus** (Okt. 2021: RM140.7 bilion) manakala bagi terma pelarasan musim, nilai jualan bertambah **3.1 peratus**.

Peningkatan tahun ke tahun pada bulan November 2021 adalah dipacu oleh Produk Petroleum, Kimia, Getah & Plastik (**29.0%**), Produk Makanan, Minuman & Tembakau (**20.7%**) dan Produk Elektrik & Elektronik (**17.8%**).

Carta 1: Nilai Jualan Sektor Pembuatan



* Nota :

- Laporan ini boleh diperoleh daripada laman portal Jabatan Perangkaan Malaysia (<https://www.dosm.gov.my>) di bawah ruangan: **Siaran Terkini**.
- Data bagi bulan November 2021 merupakan data **awalan**. Data ini akan dikemaskini berdasarkan data terkini yang diperoleh dan akan diterbitkan dalam penerbitan bulan Disember 2021.

2

BILANGAN PEKERJA

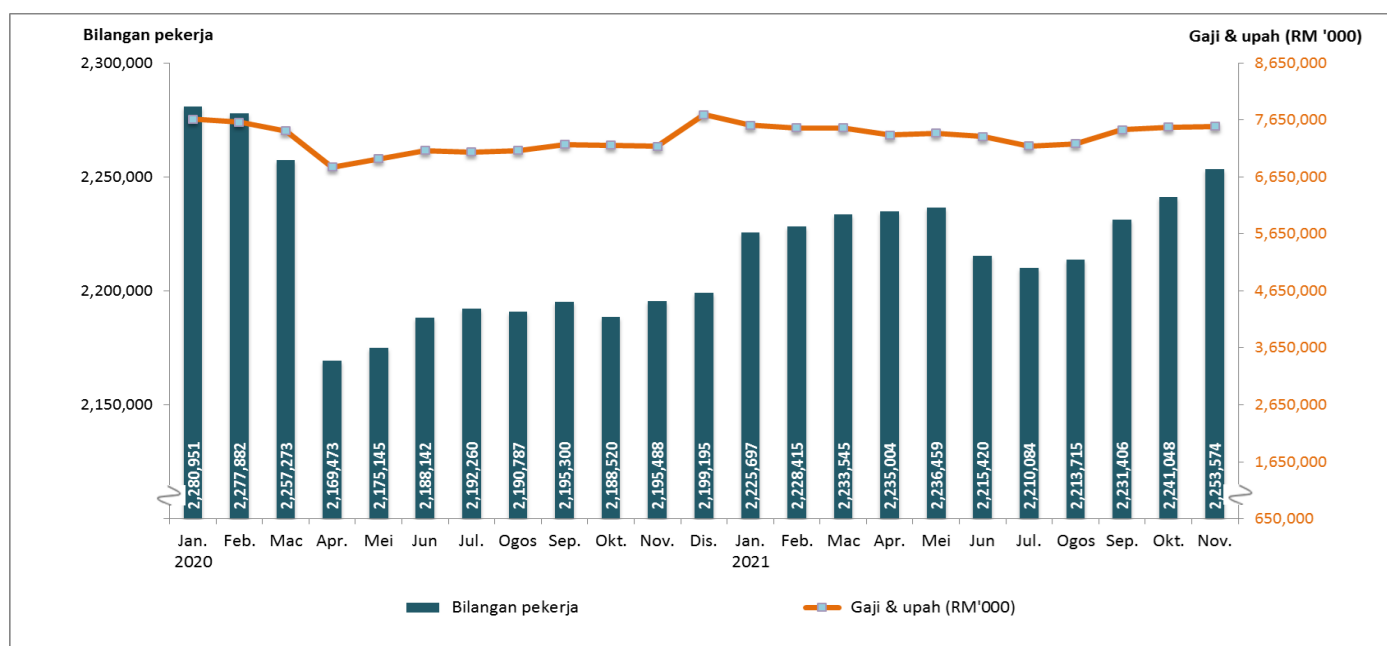
Jumlah pekerja sektor Pembuatan pada bulan November 2021 adalah seramai **2,253,574 orang**, meningkat **2.6 peratus** berbanding 2,195,488 orang pada November 2020 (**Carta 2**). Pada tempoh rujukan tersebut, bilangan pekerja meningkat **0.6 peratus** berbanding 2,241,048 orang dicatatkan pada bulan sebelumnya.

3

GAJI & UPAH

Gaji & upah yang dibayar adalah berjumlah **RM7,535.5 juta**, meningkat **4.8 peratus** atau **RM345.2 juta** pada November 2021 berbanding bulan yang sama tahun sebelumnya. Sementara itu, nilai gaji & upah yang dibayar pada bulan November 2021 meningkat **0.2 peratus** (**RM12.8 juta**) berbanding Oktober 2021.

Carta 2: Bilangan Pekerja dan Gaji & Upah Sektor Pembuatan

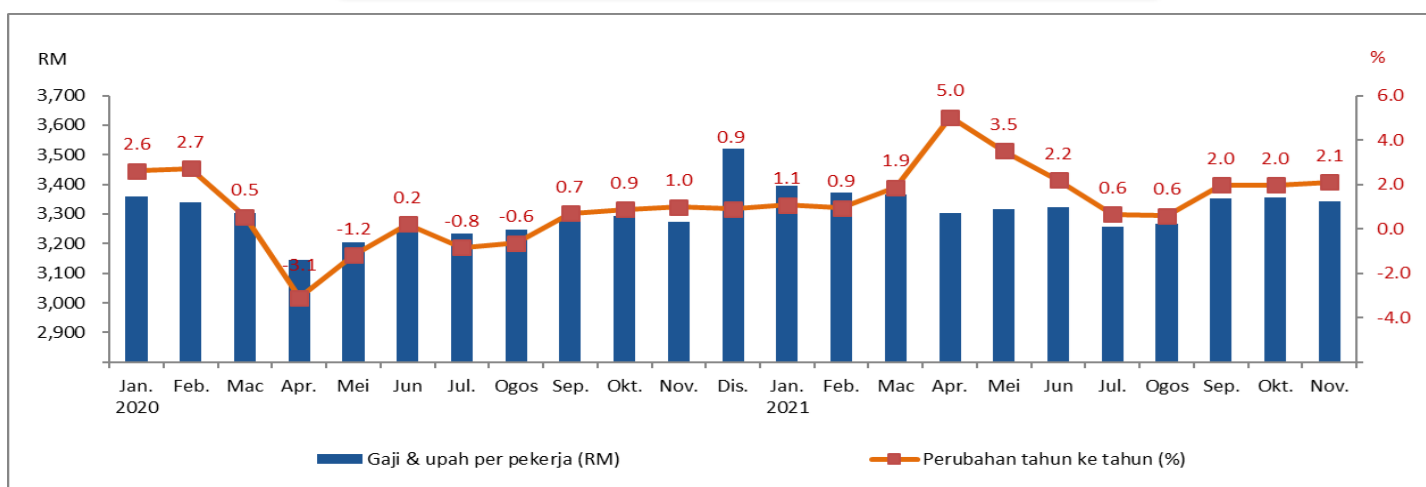


4

PURATA GAJI & UPAH PER PEKERJA

Purata gaji & upah yang dibayar bagi setiap pekerja pada bulan November 2021 adalah sebanyak **RM3,344** iaitu meningkat **2.1 peratus** berbanding bulan yang sama tahun 2020 (**Carta 3**). Sementara itu, purata gaji & upah bagi setiap pekerja menurun **0.4 peratus** berbanding Oktober 2021 (**RM 3,357**).

Carta 3: Gaji & Upah Per Pekerja Sektor Pembuatan

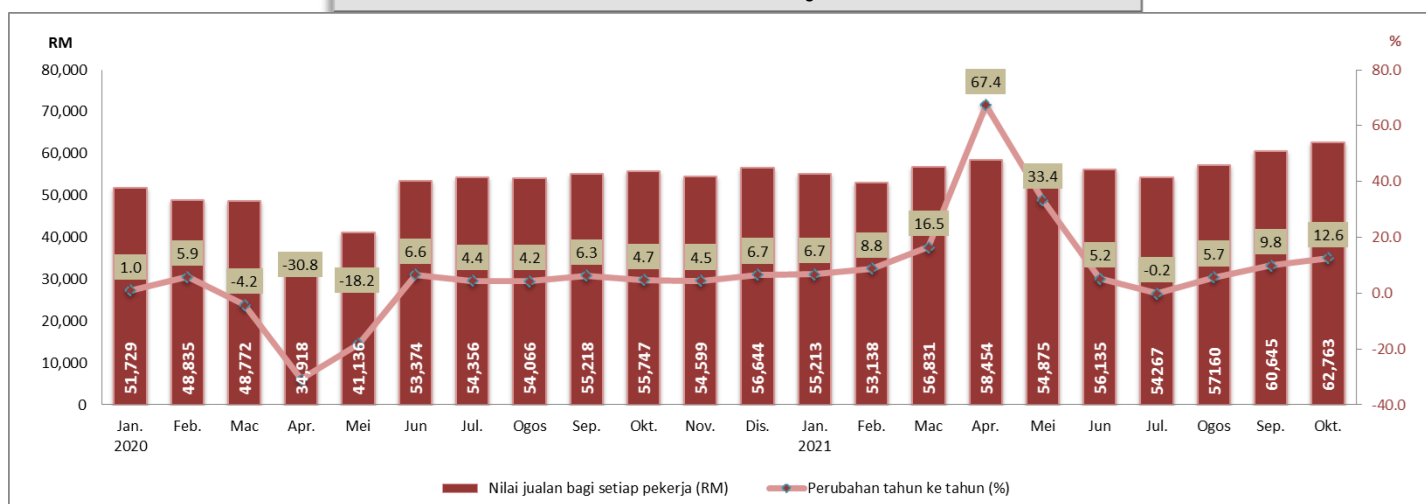


5

NILAI JUALAN PER PEKERJA

Nilai jualan bagi setiap pekerja pada November 2021 meningkat **15.7 peratus** kepada **RM63,189** berbanding bulan yang sama tahun sebelumnya (**Carta 4**). Sementara itu, bulan ke bulan, purata nilai jualan bagi setiap pekerja meningkat **0.7 peratus**.

Carta 4: Nilai Jualan Per Pekerja Sektor Pembuatan



Nilai jualan sektor Pembuatan bagi tempoh Januari hingga November 2021 merekodkan peningkatan **15.4 peratus** kepada **RM1,410.8 bilion** berbanding tempoh yang sama tahun 2020. Bilangan pekerja pada tempoh tersebut bertambah **2.6 peratus** kepada **2,253,574 orang** manakala gaji & upah dibayar mencatatkan peningkatan **2.8 peratus** kepada **RM81.7 bilion**.

Nilai jualan per pekerja pada tempoh rujukan meningkat sebanyak **12.5 peratus** kepada **RM626,036**. Butiran terperinci seperti yang ditunjukkan di dalam Jadual A.

**Jadual A : Nilai Jualan, Bilangan Pekerja dan Gaji & Upah,
Januari-November 2021**

Perangkaan Pembuatan Bulanan	Januari-November		% Perubahan
	2020	2021	
Nilai Jualan (RM juta)	1,222,048.1	1,410,817.7	15.4
Bilangan Pekerja	2,195,488	2,253,574	2.6
Gaji & Upah (RM juta)	79,450.5	81,708.5	2.8
Nilai Jualan Per Pekerja (RM)	556,618	626,036	12.5

MONTHLY MANUFACTURING STATISTICS, MALAYSIA

NOVEMBER 2021

PERFORMANCE IN NOVEMBER 2021

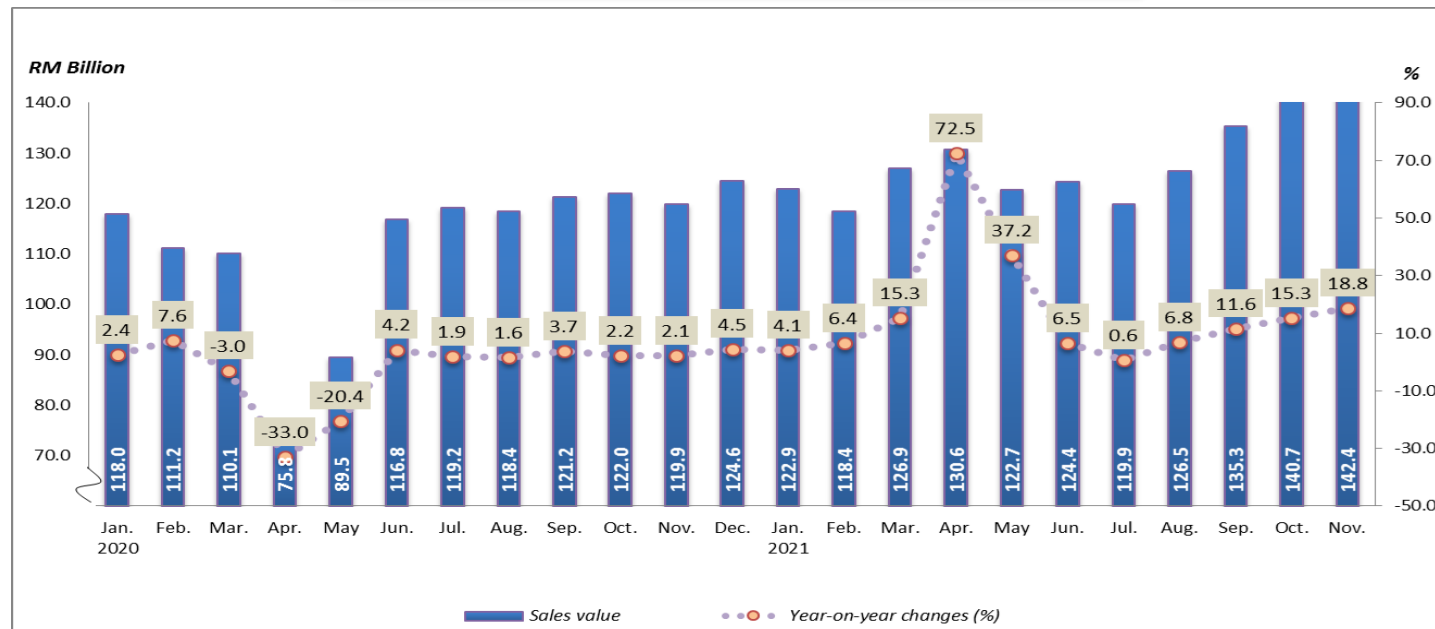
1

SALES VALUE OF THE MANUFACTURING SECTOR

Malaysia's Manufacturing sales in November 2021 stood at **RM142.4 billion**, grew **18.8 per cent** as compared to RM119.9 billion reported a year ago (**Chart 1**). On month-on-month growth, the sales value went up by **1.2 per cent** (Oct. 2021: RM140.7 billion) while in a seasonally adjusted terms, the sales value increased by **3.1 per cent**.

The year-on-year increase in November 2021 was driven by Petroleum, Chemical, Rubber & Plastic Products (**29.0%**), Food, Beverages & Tobacco Products (**20.7%**) and Electrical & Electronics Products (**17.8%**).

Chart 1 : Sales Value of the Manufacturing Sector



***Notes:**

1. This report can be accessed through the web portal of the Department of Statistics, Malaysia (<https://www.dosm.gov.my>) under the section: **Latest Releases**.
2. Data for November 2021 is **provisional**. The data will be updated based on the latest available figures and subsequently published in the December 2021 publication.

2

NUMBER OF EMPLOYEES

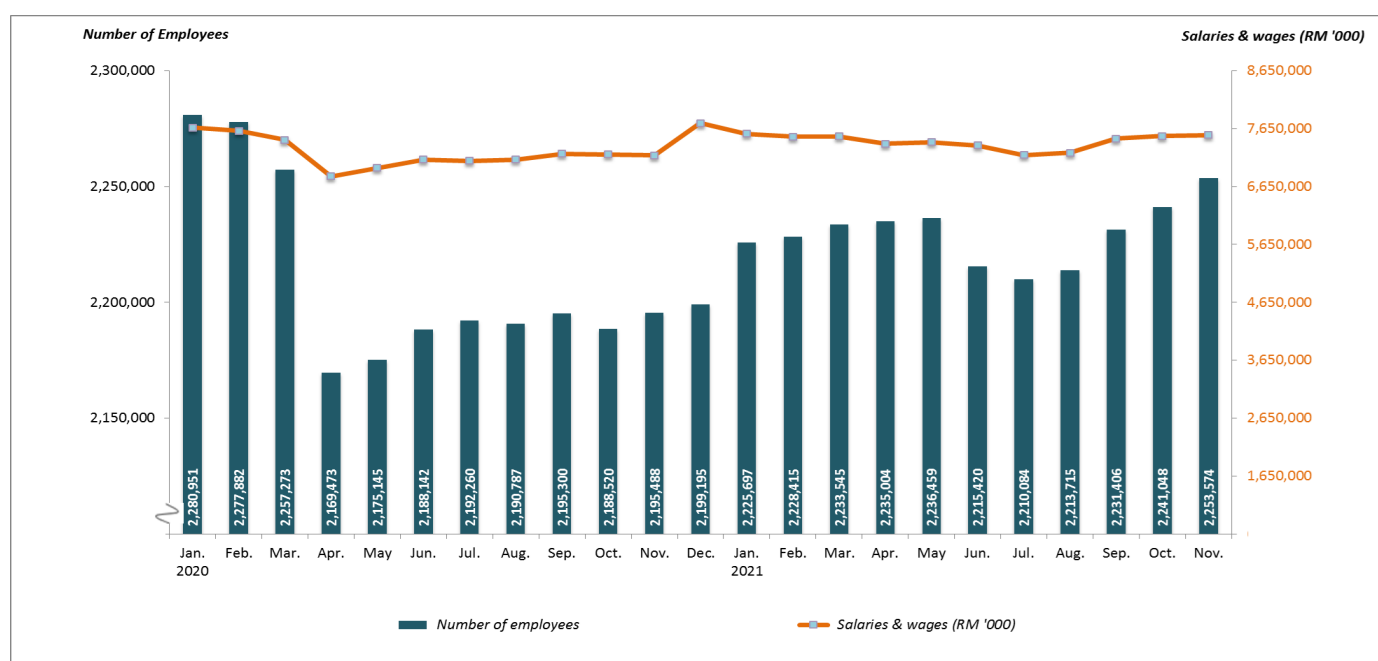
Total employees engaged in the Manufacturing sector in November 2021 was **2,253,574 persons**, an increase of **2.6 per cent** as compared to 2,195,488 persons in November 2020 (**Chart 2**). During the reference period, the number of employees increased by **0.6 per cent** as compared to 2,241,048 persons registered in the preceding month.

3

SALARIES & WAGES

Salaries & wages paid amounted to **RM7,535.5 million**, rose by **4.8 per cent** or **RM345.2 million** in November 2021 as against the same month of the preceding year. Meanwhile, salaries & wages paid in November 2021 increased by **0.2 per cent** (**RM12.8 million**) as compared to October 2021.

Chart 2 : Number of Employees and Salaries & Wages in Manufacturing Sector

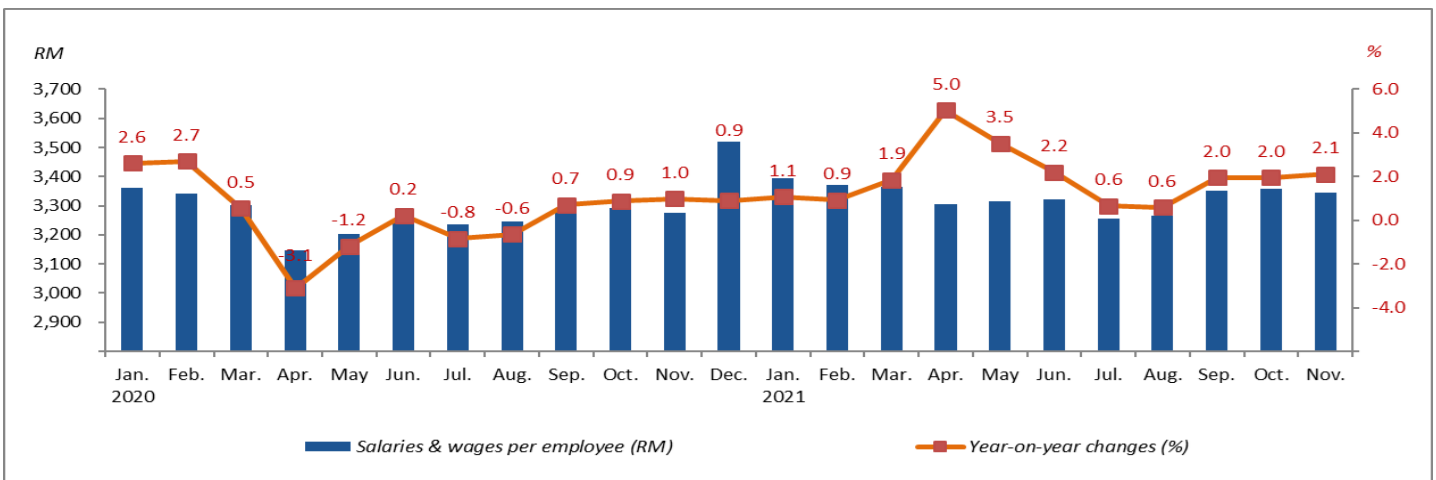


4

AVERAGE SALARIES & WAGES PER EMPLOYEE

The average salaries & wages paid per employee in November 2021 was **RM3,344**, increased by **2.1 per cent** as compared to the same month in 2020 (**Chart 3**). Whilst, average salaries & wages paid per employee decreased **0.4 per cent** as compared to October 2021 (**RM3,357**).

Chart 3 : Salaries & Wages Per Employee in Manufacturing Sector

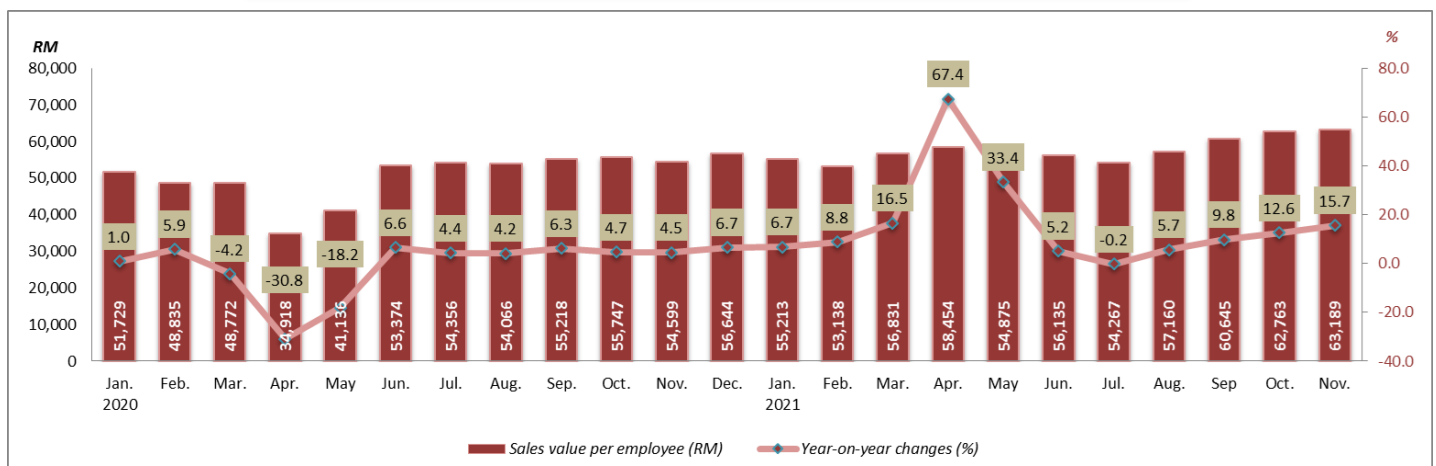


5

SALES VALUE PER EMPLOYEE

The sales value per employee in November 2021 increased by **15.7 per cent** to register **RM63,189** as compared with the same month of the previous year (**Chart 4**). Meanwhile, on month-on-month basis, the average sales value per employee went up to **0.7 per cent**.

Chart 4 : Sales Value Per Employee in Manufacturing Sector



The sales value of the Manufacturing sector in the period January to November 2021 registered an increase of **15.4 per cent** to **RM1,410.8 billion** as compared to the same period of 2020. The number of employees engaged during the period rose by **2.6 per cent** to register **2,253,574 persons** while salaries & wages paid went up by **2.8 per cent** to **RM81.7 billion**.

The sales value per employee during the reference period rose by **12.5 per cent** to record **RM626,036**. The detailed information as shown in Table A.

**Table A: Sales Value, Number of Employees and Salaries & Wages,
January-November 2021**

Monthly Manufacturing Statistics	January-November		% Change
	2020	2021	
Sales Value (RM million)	1,222,048.1	1,410,817.7	15.4
Number of Employees	2,195,488	2,253,574	2.6
Salaries & Wages (RM million)	79,450.5	81,708.5	2.8
Sales Value Per Employee (RM)	556,618	626,036	12.5



JADUAL *TABLES*



Jadual
Table

1

: Perangkaan Utama Sektor Pembuatan
: Principal Statistics of Manufacturing Sector

Tempoh Period		Nilai Jualan Produk Yang Dibuat Sendiri (Di Kilang) <i>Sales value of own (Ex-factory)</i> (RM Juta/Million)				Bilangan Pekerja Bergaji Pada Akhir Tempoh <i>Number of employees engaged at end of period</i>				Gaji & Upah Yang Dibayar <i>Salaries & wages paid</i> (RM Juta/Million)			
		Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM	Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM	Data Asal (Original Data)	% YoY	Pelarasan Musim (Seasonally Adjusted)	% MoM
2019		1,376,027				2,243,788				88,206			
2020		1,346,620 -2.1				2,199,195 -2.0				87,194 -1.1			
2020	Q1	339,324	2.2			2,257,273	1.2			22,728	3.4		
	Q2	282,020	-16.5			2,188,142	-2.2			20,906	-4.0		
	Q3	358,828	2.4			2,195,300	-2.4			21,420	-2.7		
	Q4	366,447	3.0			2,199,195	-2.0			22,139	-1.3		
2021	Q1	368,234	8.5			2,233,545	-1.1			22,584	-0.6		
	Q2	377,735	33.9			2,215,420	1.2			22,162	6.0		
	Q3	381,793	6.4			2,231,406	1.6			21,904	2.3		
2020	(Jan. - Nov.)	1,222,048	-2.8			2,195,488	-2.2			79,451	-1.2		
2021	(Jan. - Nov.)	1,410,818	15.4			2,253,574	2.6			81,709	2.8		
2020	Jan.	117,992	2.4	115,199	0.3	2,280,951	1.4	2,267,144	0.6	7,664	4.1	7,528	0.2
	Feb.	111,240	7.6	121,801	5.7	2,277,882	1.6	2,263,952	-0.1	7,608	4.4	7,558	0.4
	Mac	110,091	-3.0	110,100	-9.6	2,257,273	1.2	2,248,392	-0.7	7,456	1.8	7,348	-2.8
	Apr.	75,754	-33.0	78,580	-28.6	2,169,473	-3.2	2,165,645	-3.7	6,825	-6.2	6,843	-6.9
	Mei	89,477	-20.4	92,850	18.2	2,175,145	-2.8	2,168,265	0.1	6,968	-3.9	7,021	2.6
	Jun	116,789	4.2	120,799	30.1	2,188,142	-2.2	2,192,900	1.1	7,113	-2.0	7,172	2.2
	Jul.	119,162	1.9	117,900	-2.4	2,192,260	-2.4	2,194,905	0.1	7,091	-3.2	7,154	-0.2
	Ogo.	118,446	1.6	116,100	-1.5	2,190,787	-2.5	2,197,327	0.1	7,113	-3.2	7,182	0.4
	Sep.	121,220	3.7	118,000	1.6	2,195,300	-2.4	2,199,219	0.1	7,217	-1.7	7,264	1.1
	Okt.	122,004	2.2	116,800	-1.0	2,188,520	-2.3	2,198,927	-0.01	7,205	-1.5	7,313	0.7
	Nov.	119,872	2.1	116,800	0.0	2,195,488	-2.2	2,205,367	0.3	7,190	-1.3	7,366	0.7
	Dis.	124,571	4.5	119,800	2.6	2,199,195	-2.0	2,207,524	0.1	7,744	-1.1	7,424	0.8
2021	Jan.	122,887	4.1	119,811	0.01	2,225,697	-2.4	2,211,521	0.2	7,558	-1.4	7,423	-0.02
	Feb.	118,412	6.4	129,751	8.3	2,228,415	-2.2	2,214,552	0.1	7,512	-1.3	7,463	0.5
	Mac	126,935	15.3	127,089	-2.1	2,233,545	-1.1	2,224,979	0.5	7,514	0.8	7,407	-0.8
	Apr.	130,646	72.5	135,527	6.6	2,235,004	3.0	2,230,721	0.3	7,386	8.2	7,405	-0.03
	Mei	122,726	37.2	127,415	-6.0	2,236,459	2.8	2,229,970	-0.03	7,416	6.4	7,470	0.9
	Jun	124,363	6.5	128,805	1.1	2,215,420	1.2	2,220,505	-0.4	7,360	3.5	7,426	-0.6
	Jul.	119,934	0.6	118,568	-7.9	2,210,084	0.8	2,212,629	-0.4	7,195	1.5	7,259	-2.2
	Ogo.	126,536	6.8	123,906	4.5	2,213,715	1.0	2,220,109	0.3	7,231	1.7	7,300	0.6
	Sep.	135,323	11.6	131,658	6.3	2,231,406	1.6	2,235,340	0.7	7,479	3.6	7,527	3.1
	Okt.	140,655	15.3	134,714	2.3	2,241,048	2.4	2,251,834	0.7	7,523	4.4	7,635	1.4
	Nov.	142,401	18.8	138,849	3.1	2,253,574	2.6	2,263,852	0.5	7,536	4.8	7,722	1.1

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

Subsektor Sub-sector	2019	2020	2020				
			Q1	Q2	Q3	Q4	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	234,352	251,984	53,618	64,554	67,149	66,664	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	217,874	239,437	49,605	62,975	63,781	63,077	
11 Pembuatan minuman <i>Manufacture of beverages</i>	12,569	9,487	3,067	1,395	2,434	2,590	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	3,909	3,060	946	184	934	997	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	22,465	19,816	5,529	3,607	5,015	5,665	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	10,063	8,867	2,491	1,577	2,251	2,548	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	9,747	8,771	2,399	1,662	2,215	2,495	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	2,656	2,177	638	369	549	621	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	82,466	72,615	20,628	11,530	19,797	20,660	
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>	29,330	22,282	7,400	2,300	6,008	6,573	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	22,745	22,276	5,582	4,934	5,887	5,874	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	12,575	11,533	3,170	1,879	3,184	3,300	
31 Pembuatan perabot <i>Manufacture of furniture</i>	17,816	16,524	4,475	2,416	4,718	4,914	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	347,522	338,815	91,295	76,356	82,598	88,566	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	149,476	128,477	40,657	27,680	28,840	31,300	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	103,081	90,600	25,391	19,771	22,071	23,367	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	6,748	7,843	1,768	2,006	2,111	1,959	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	88,216	111,894	23,479	26,899	29,576	31,940	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal	164,666	139,470	40,753	22,788	36,273	39,656	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	49,309	40,189	12,121	5,878	10,558	11,633	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	52,158	45,895	13,128	6,784	12,518	13,465	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	63,199	53,385	15,504	10,126	13,197	14,558	
6. Produk elektrik dan elektronik Electrical and electronic products	424,225	422,176	103,535	86,460	118,052	114,129	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	343,999	343,227	84,522	69,688	96,026	92,991	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	43,293	42,124	10,096	8,418	12,051	11,558	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	36,932	36,825	8,917	8,354	9,974	9,580	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	100,331	101,743	23,966	16,725	29,945	31,107	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	68,377	72,975	15,932	11,717	22,262	23,065	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	14,796	12,945	3,766	2,191	3,237	3,752	
32 Pembuatan lain <i>Other manufacturing</i>	11,155	10,499	2,847	1,947	2,883	2,821	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	6,003	5,324	1,421	870	1,563	1,469	
Pembuatan Manufacturing	Jumlah Total	1,376,027	1,346,620	339,324	282,020	358,828	366,447

(RM Juta/Million)													
2021			2020	2021	2020								
Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
59,219	73,656	73,063	230,711	258,602	18,353	18,026	17,239	20,200	20,885	23,469	21,572	21,892	23,685
55,237	70,737	70,520	219,419	246,393	16,957	16,706	15,942	19,832	20,416	22,727	20,547	20,753	22,481
3,009	2,325	2,276	8,587	9,652	1,081	1,023	964	362	437	596	714	853	867
973	594	266	2,705	2,556	314	297	334	6	32	146	311	285	337
5,641	5,199	5,046	17,861	19,863	1,914	1,867	1,748	740	1,242	1,626	1,650	1,646	1,719
2,594	2,678	2,542	8,001	9,715	858	850	783	307	564	706	725	764	762
2,391	2,057	2,097	7,901	8,185	834	806	759	387	556	718	734	709	772
656	463	408	1,958	1,963	222	210	206	46	122	202	192	172	185
21,054	16,461	16,769	65,700	68,887	7,051	6,833	6,744	2,023	3,245	6,262	6,500	6,536	6,761
6,881	4,165	4,709	19,996	20,457	2,573	2,446	2,381	146	236	1,918	1,957	1,919	2,132
6,180	6,384	6,476	20,385	23,609	1,796	1,873	1,913	1,369	1,621	1,943	1,953	1,961	1,973
3,291	2,682	2,708	10,424	10,874	1,117	1,064	988	393	626	860	1,023	1,079	1,081
4,702	3,230	2,876	14,895	13,947	1,564	1,449	1,462	114	762	1,540	1,567	1,577	1,575
98,651	111,747	110,869	307,700	394,812	31,748	28,852	30,695	25,080	24,688	26,588	27,130	27,895	27,572
33,513	44,230	48,092	117,092	159,106	14,973	12,717	12,967	9,921	8,748	9,012	9,368	10,005	9,466
26,389	23,165	25,586	82,160	92,567	8,616	8,243	8,532	5,984	6,485	7,302	7,337	7,411	7,323
2,117	2,260	2,405	7,218	8,407	566	581	621	622	645	740	694	712	705
36,632	42,092	34,786	101,230	134,732	7,593	7,311	8,575	8,554	8,811	9,535	9,732	9,767	10,077
41,006	33,686	31,954	125,622	134,494	14,316	13,518	12,920	4,513	7,412	10,862	11,734	12,060	12,479
12,338	9,803	8,765	36,080	38,538	4,228	4,029	3,863	939	1,951	2,988	3,487	3,520	3,550
13,195	10,295	11,235	41,407	44,576	4,574	4,406	4,148	1,201	1,711	3,872	3,921	4,085	4,512
15,472	13,588	11,954	48,135	51,379	5,514	5,082	4,908	2,373	3,751	4,003	4,326	4,455	4,417
115,062	112,357	121,467	383,332	437,222	35,964	34,158	33,414	20,919	26,734	38,807	40,318	38,289	39,444
94,964	89,376	98,431	311,314	354,374	29,379	27,875	27,268	17,006	21,569	31,113	32,680	30,998	32,348
10,668	11,692	12,381	38,404	43,841	3,603	3,301	3,192	1,965	2,611	3,843	4,105	4,041	3,905
9,430	11,289	10,655	33,614	39,006	2,982	2,981	2,954	1,948	2,554	3,852	3,533	3,250	3,191
27,602	24,630	22,624	91,122	96,938	8,647	7,988	7,331	2,280	5,270	9,175	10,257	10,128	9,560
19,553	17,264	16,298	64,992	69,475	5,825	5,428	4,678	1,420	3,629	6,668	7,750	7,563	6,949
3,735	3,295	3,011	11,712	12,759	1,334	1,187	1,245	371	767	1,052	1,053	1,072	1,112
2,885	2,941	2,140	9,552	9,898	1,015	936	897	338	660	949	931	975	977
1,430	1,129	1,176	4,867	4,807	473	437	511	150	215	505	524	518	522
368,234	377,735	381,793	1,222,048	1,410,818	117,992	111,240	110,091	75,754	89,477	116,789	119,162	118,446	121,220

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

Subsektor Sub-sector	2020		
	Okt.	Nov.	Dis.
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	23,834	21,557	21,273
10 Pembuatan produk makanan <i>Manufacture of food products</i>	22,640	20,418	20,018
11 Pembuatan minuman <i>Manufacture of beverages</i>	858	832	900
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	335	307	355
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	1,880	1,830	1,955
13 Pembuatan tekstil <i>Manufacture of textiles</i>	852	830	866
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	833	793	870
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	195	207	219
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	6,860	6,885	6,915
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2,105	2,183	2,285
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	2,011	1,971	1,891
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	1,089	1,102	1,109
31 Pembuatan perabot <i>Manufacture of furniture</i>	1,656	1,629	1,630
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	28,166	29,285	31,115
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	9,505	10,409	11,386
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	7,235	7,692	8,440
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	673	660	626
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	10,753	10,523	10,664
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal</i>	12,768	13,041	13,848
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	3,642	3,881	4,109
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	4,535	4,442	4,488
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	4,590	4,718	5,250
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	38,579	36,706	38,845
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	31,324	29,754	31,913
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	4,048	3,791	3,720
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	3,207	3,161	3,212
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	9,918	10,569	10,620
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	7,257	7,824	7,984
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	1,226	1,293	1,233
32 Pembuatan lain <i>Other manufacturing</i>	938	936	947
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	497	515	457
Pembuatan <i>Manufacturing</i>	122,004	119,872	124,571
Jumlah <i>Total</i>			

(RM Juta/Million)

2021										
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
19,772	19,642	19,805	24,322	23,763	25,570	23,110	23,428	26,525	26,644	26,020
18,473	18,360	18,404	23,034	22,704	24,998	22,455	22,584	25,481	25,183	24,716
979	981	1,049	1,004	821	499	578	790	908	1,067	975
320	301	352	284	237	72	77	54	135	393	330
1,907	1,848	1,886	1,797	1,717	1,684	1,642	1,677	1,727	1,949	2,029
858	835	900	882	862	934	858	838	845	920	981
824	801	766	730	686	640	680	702	715	818	823
224	212	220	184	169	110	103	137	167	211	225
7,006	6,712	7,336	6,372	5,455	4,634	4,476	5,842	6,451	6,996	7,607
2,293	2,177	2,412	1,884	1,265	1,016	1,012	1,744	1,953	2,235	2,467
1,947	1,965	2,268	2,221	2,079	2,084	2,049	2,195	2,232	2,284	2,285
1,136	1,091	1,064	1,062	934	687	801	935	971	983	1,210
1,631	1,478	1,593	1,206	1,177	847	614	968	1,294	1,494	1,646
32,617	30,649	35,385	37,391	36,714	37,642	38,594	36,647	35,628	35,765	37,780
11,805	10,576	11,133	14,568	14,947	14,715	16,463	16,084	15,545	15,666	17,604
8,703	8,570	9,116	7,417	7,405	8,343	8,308	8,817	8,461	8,560	8,868
660	700	756	722	695	843	766	799	839	818	807
11,449	10,803	14,380	14,684	13,667	13,742	13,058	10,947	10,782	10,720	10,501
14,198	13,230	13,577	13,219	11,643	8,823	8,520	10,766	12,668	13,570	14,279
4,222	3,969	4,148	3,709	3,417	2,678	2,662	2,946	3,157	3,559	4,073
4,562	4,287	4,346	4,216	3,416	2,663	2,488	3,871	4,876	4,920	4,931
5,414	4,975	5,084	5,295	4,811	3,482	3,370	3,950	4,634	5,090	5,275
38,267	37,691	39,105	37,685	35,029	39,643	36,823	40,942	43,702	45,080	43,256
31,435	31,219	32,309	29,877	27,850	31,648	30,008	32,876	35,547	36,676	34,928
3,739	3,363	3,566	3,934	3,667	4,090	3,750	4,271	4,360	4,586	4,514
3,092	3,108	3,230	3,873	3,512	3,904	3,066	3,794	3,795	3,818	3,814
9,121	8,642	9,840	9,859	8,404	6,366	6,767	7,235	8,622	10,651	11,431
6,392	6,170	6,991	6,894	6,015	4,355	4,976	5,182	6,140	7,901	8,460
1,266	1,129	1,339	1,337	994	964	866	1,031	1,114	1,303	1,415
997	909	978	1,148	1,067	726	593	655	891	941	991
466	433	531	481	328	321	332	366	477	506	565
122,887	118,412	126,935	130,646	122,726	124,363	119,934	126,536	135,323	140,655	142,401

Subsektor Sub-sector	2020	2020				2021			2020	2021	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	7.5	-1.9	8.5	13.8	9.0	10.4	14.1	8.8	7.5	12.1	
10 Pembuatan produk makanan Manufacture of food products	9.9	-2.0	13.9	16.0	10.6	11.4	12.3	10.6	10.0	12.3	
11 Pembuatan minuman Manufacture of beverages	-24.5	0.2	-56.8	-21.2	-18.8	-1.9	66.6	-6.5	-25.4	12.4	
12 Pembuatan produk tembakau Manufacture of tobacco products	-21.7	-4.9	-81.2	-2.5	2.0	2.9	222.9	-71.5	-23.9	-5.5	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	-11.8	2.0	-35.3	-10.2	-3.6	2.0	44.1	0.6	-13.0	11.2	
13 Pembuatan tekstil Manufacture of textiles	-11.9	1.2	-37.3	-10.3	-1.1	4.1	69.8	12.9	-13.1	21.4	
14 Pembuatan pakaian Manufacture of wearing apparel	-10.0	3.7	-30.1	-8.6	-5.2	-0.4	23.8	-5.3	-11.2	3.6	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	-18.0	-1.3	-46.2	-16.1	-7.2	2.8	25.6	-25.7	-19.7	0.3	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	-11.9	0.6	-43.0	-3.6	-2.5	2.1	42.8	-15.3	-12.9	4.9	
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	-24.0	-1.1	-68.4	-15.4	-12.0	-7.0	81.0	-21.6	-25.4	2.3	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	-2.1	0.5	-13.3	1.7	2.8	10.7	29.4	10.0	-2.6	15.8	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	-8.3	0.9	-39.1	1.6	2.7	3.8	42.7	-15.0	-9.5	4.3	
31 Pembuatan perabot Manufacture of furniture	-7.3	3.6	-42.2	4.7	2.2	5.1	33.7	-39.0	-8.2	-6.4	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	-2.5	6.7	-10.3	-5.6	-0.8	8.1	46.3	34.2	-3.0	28.3	
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	-14.0	7.8	-21.5	-21.9	-20.9	-17.6	59.8	66.8	-13.7	35.9	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	-12.1	1.1	-24.7	-16.2	-7.8	3.9	17.2	15.9	-13.3	12.7	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	16.2	8.8	21.2	22.1	12.6	19.8	12.7	13.9	16.3	16.5	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	26.8	11.1	22.4	31.7	41.1	56.0	56.5	17.6	25.5	33.1	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	-15.3	2.2	-45.2	-12.5	-5.1	0.6	47.8	-11.9	-16.5	7.1	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	-18.5	1.8	-52.2	-14.1	-9.2	1.8	66.8	-17.0	-19.7	6.8	
24 Pembuatan logam asas Manufacture of basic metals	-12.0	4.1	-46.8	-6.4	0.4	0.5	51.7	-10.2	-13.1	7.7	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	-15.5	0.8	-38.6	-16.3	-6.5	-0.2	34.2	-9.4	-16.8	6.7	
6. Produk elektrik dan elektronik Electrical and electronic products	-0.5	1.5	-15.7	7.2	4.3	11.1	30.0	2.9	-0.9	14.1	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	-0.2	1.7	-16.1	7.6	4.9	12.4	28.3	2.5	-0.7	13.8	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	-2.7	-0.1	-18.2	5.5	0.8	5.7	38.9	2.7	-3.0	14.2	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	-0.3	0.8	-9.8	5.0	2.8	5.7	35.1	6.8	-0.7	16.0	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	1.4	-0.2	-27.3	14.1	15.0	15.2	47.3	-24.4	-0.4	6.4	
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	6.7	-0.5	-23.7	22.5	22.6	22.7	47.3	-26.8	4.3	6.9	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	-12.5	-0.7	-36.5	-11.1	-4.1	-0.8	50.4	-7.0	-13.1	8.9	
32 Pembuatan lain Other manufacturing	-5.9	3.5	-29.3	1.8	0.2	1.3	51.0	-25.8	-6.2	3.6	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	-11.3	-1.3	-40.1	-2.7	-2.2	0.6	29.8	-24.8	-12.1	-1.2	
Pembuatan Manufacturing	Jumlah Total	-2.1	2.2	-16.5	2.4	3.0	8.5	33.9	6.4	-2.8	15.4

(%)

2020												2021										
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
-7.5	9.1	-5.9	-2.1	3.9	25.3	14.8	12.3	14.2	13.8	5.1	7.9	7.7	9.0	14.9	20.4	13.8	9.0	7.1	7.0	12.0	11.8	20.7
-8.1	9.6	-5.9	3.0	9.3	31.1	17.7	14.5	15.9	15.8	6.7	9.3	8.9	9.9	15.4	16.1	11.2	10.0	9.3	8.8	13.3	11.2	21.0
1.3	4.8	-5.3	-65.7	-60.5	-44.1	-28.7	-20.2	-15.0	-19.4	-22.3	-14.6	-9.4	-4.1	8.9	177.0	88.0	-16.2	-19.1	-7.4	4.8	24.3	17.2
-4.2	-3.3	-6.9	-98.2	-90.2	-54.7	-4.9	-5.9	3.1	2.6	3.0	0.7	1.7	1.2	5.4	4,736.7	641.2	-50.5	-75.2	-81.2	-59.9	17.4	7.6
2.8	8.6	-5.0	-59.7	-34.4	-12.2	-12.8	-12.5	-5.2	-3.9	-8.2	1.4	-0.4	-1.0	7.9	143.0	38.3	3.6	-0.5	1.9	0.5	3.7	10.9
3.1	9.8	-8.3	-64.3	-34.1	-11.7	-12.9	-10.7	-7.4	-3.2	-1.1	1.1	0.1	-1.8	15.0	187.6	52.7	32.4	18.4	9.7	11.0	7.9	18.2
3.6	9.0	-1.2	-48.5	-31.2	-12.2	-11.9	-13.0	-0.3	-2.7	-14.1	1.9	-1.2	-0.6	0.9	88.6	23.4	-10.9	-7.3	-1.1	-7.5	-1.8	3.8
-0.9	3.0	-5.7	-79.6	-46.7	-13.8	-16.0	-17.7	-14.9	-11.6	-10.2	0.4	1.3	0.8	6.6	303.9	39.2	-45.6	-46.1	-20.6	-9.4	8.4	8.5
2.5	5.9	-5.8	-70.4	-52.9	-3.9	-4.1	-5.2	-1.5	-3.2	-3.2	-1.1	-0.6	-1.8	8.8	215.0	68.1	-26.0	-31.1	-10.6	-4.6	2.0	10.5
-1.9	4.4	-5.3	-94.1	-90.5	-17.6	-17.9	-18.5	-9.7	-13.3	-12.8	-9.9	-10.9	-11.0	1.3	1,192.4	434.9	-47.0	-48.3	-9.1	-8.4	6.2	13.0
1.9	4.5	-4.2	-29.4	-16.3	7.1	1.8	1.2	2.1	2.2	1.9	4.4	8.4	4.9	18.6	62.2	28.2	7.2	4.9	11.9	13.2	13.6	15.9
4.3	5.2	-6.8	-62.7	-40.1	-12.8	1.0	0.8	3.1	1.4	2.0	4.7	1.7	2.5	7.6	169.9	49.2	-20.1	-21.7	-13.3	-10.2	-9.7	9.8
9.9	11.1	-8.1	-91.7	-46.6	11.4	7.4	3.2	3.6	2.2	1.9	2.6	4.3	2.0	8.9	956.3	54.5	-45.0	-60.8	-38.6	-17.8	-9.8	1.0
6.1	9.6	4.6	-9.8	-14.0	-7.2	-8.2	-4.9	-3.6	-4.4	-1.3	3.1	2.7	6.2	15.3	49.1	48.7	41.6	42.3	31.4	29.2	27.0	29.0
10.0	12.2	1.5	-13.9	-25.3	-25.0	-25.5	-18.5	-21.6	-25.5	-20.2	-17.4	-21.2	-16.8	-14.1	46.8	70.9	63.3	75.7	60.8	64.2	64.8	69.1
1.3	6.6	-3.9	-29.3	-28.3	-16.6	-17.3	-16.5	-14.8	-15.0	-9.9	1.7	1.0	4.0	6.8	23.9	14.2	14.3	13.2	19.0	15.5	18.3	15.3
4.5	11.5	10.5	18.0	13.9	31.5	20.7	22.6	22.9	12.7	10.0	15.3	16.7	20.5	21.9	16.2	7.8	13.9	10.4	12.3	19.0	21.7	22.1
4.6	8.5	20.1	17.5	19.1	30.5	29.5	28.9	36.9	41.7	40.5	40.9	50.8	47.8	67.7	71.7	55.1	44.1	34.2	12.1	7.0	-0.3	-0.2
4.7	6.4	-4.4	-67.5	-46.8	-20.8	-15.1	-13.6	-8.7	-6.6	-6.1	-2.7	-0.8	-2.1	5.1	192.9	57.1	-18.8	-27.4	-10.7	1.5	6.3	9.5
5.5	6.4	-5.9	-77.1	-52.9	-26.3	-15.1	-14.6	-12.7	-11.9	-9.8	-5.9	-0.2	-1.5	7.4	294.8	75.2	-10.4	-23.7	-16.3	-11.1	-2.3	4.9
4.2	7.8	0.5	-71.0	-60.3	-10.1	-11.5	-9.9	2.1	2.6	-0.8	-0.6	-0.2	-2.7	4.8	251.0	99.6	-31.2	-36.5	-5.2	8.1	8.5	11.0
4.6	5.4	-7.1	-58.0	-31.6	-25.3	-18.0	-16.1	-14.7	-10.3	-7.5	-1.9	-1.8	-2.1	3.6	123.2	28.3	-13.0	-22.1	-11.3	4.9	10.9	11.8
4.3	6.4	-5.7	-39.6	-19.9	12.3	8.4	6.0	7.2	3.8	4.8	4.2	6.4	10.3	17.0	80.2	31.0	2.2	-8.7	6.9	10.8	16.8	17.8
4.8	6.7	-5.8	-39.5	-19.7	10.8	8.6	6.6	7.7	4.2	5.7	4.7	7.0	12.0	18.5	75.7	29.1	1.7	-8.2	6.1	9.9	17.1	17.4
0.2	4.3	-4.7	-43.3	-24.1	13.5	7.2	4.3	5.0	1.3	0.7	0.3	3.8	1.9	11.7	100.3	40.5	6.4	-8.6	5.7	11.7	13.3	19.1
3.9	5.3	-6.1	-36.8	-17.4	24.8	8.0	2.2	4.7	3.7	0.7	4.0	3.7	4.3	9.3	98.8	37.5	1.4	-13.2	16.7	18.9	19.0	20.7
1.3	5.8	-7.4	-69.5	-29.9	14.4	14.3	13.6	14.3	9.3	15.3	20.5	5.5	8.2	34.2	332.4	59.5	-30.6	-34.0	-28.6	-9.8	7.4	8.2
0.2	5.6	-7.6	-71.3	-26.6	22.1	21.5	22.4	23.5	13.6	22.8	31.7	9.7	13.7	49.4	385.6	65.8	-34.7	-35.8	-31.5	-11.6	8.9	8.1
2.4	6.5	-9.5	-67.7	-34.3	-7.2	-7.9	-14.4	-10.6	-3.2	-3.0	-6.1	-5.1	-4.9	7.6	259.8	29.7	-8.4	-17.7	-3.8	0.2	6.3	9.4
6.5	9.2	-4.8	-62.8	-27.8	2.0	1.1	1.5	2.8	2.3	0.5	-2.2	-1.8	-2.8	9.1	239.2	61.6	-23.5	-36.3	-32.8	-8.8	0.4	5.9
1.2	0.1	-4.7	-67.5	-56.6	1.8	-2.4	-1.3	-4.4	-1.3	-3.1	-2.3	-1.4	-0.9	3.8	219.4	52.7	-36.5	-36.6	-29.3	-8.5	1.8	9.8
2.4	7.6	-3.0	-33.0	-20.4	4.2	1.9	1.6	3.7	2.2	2.1	4.5	4.1	6.4	15.3	72.5	37.2	6.5	0.6	6.8	11.6	15.3	18.8

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

Subsektor Sub-sector		2020				2021					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Jan.	Feb.	
1. Makanan, minuman dan tembakau		-12.4	20.4	4.0	-0.7	-11.2	24.4	-0.8	-6.9	-1.8	
Food, beverages and tobacco											
10	Pembuatan produk makanan Manufacture of food products	-13.0	27.0	1.3	-1.1	-12.4	28.1	-0.3	-7.4	-1.5	
11	Pembuatan minuman Manufacture of beverages	-3.8	-54.5	74.5	6.4	16.2	-22.7	-2.1	2.6	-5.4	
12	Pembuatan produk tembakau Manufacture of tobacco products	-3.2	-80.5	407.7	6.7	-2.4	-38.9	-55.2	-10.7	-5.4	
2. Tekstil, pakaian, kulit dan kasut		-5.9	-34.7	39.0	13.0	-0.4	-7.8	-2.9	-0.8	-2.5	
Textiles, wearing apparel, leather and footwear											
13	Pembuatan tekstil Manufacture of textiles	-3.3	-36.7	42.7	13.2	1.8	3.3	-5.1	0.1	-0.8	
14	Pembuatan pakaian Manufacture of wearing apparel	-8.9	-30.7	33.3	12.7	-4.2	-14.0	1.9	-2.2	-3.4	
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	-4.7	-42.2	48.8	13.3	5.6	-29.4	-12.0	1.4	-5.0	
3. Produk kayu, perabot, keluaran kertas dan percetakan		-2.7	-44.1	71.7	4.4	1.9	-21.8	1.9	0.8	-3.1	
Wood products, furniture, paper products and printing											
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-0.9	-68.9	161.2	9.4	4.7	-39.5	13.1	1.5	-4.9	
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	-2.3	-11.6	19.3	-0.2	5.2	3.3	1.4	-0.8	4.3	
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	-1.3	-40.7	69.4	3.6	-0.3	-18.5	0.9	5.5	-4.7	
31	Pembuatan perabot Manufacture of furniture	-6.9	-46.0	95.3	4.2	-4.3	-31.3	-11.0	-1.5	-7.3	
4. Petroleum, kimia, getah dan plastik		2.2	-16.4	8.2	7.2	11.4	13.3	-0.8	5.2	-9.1	
Petroleum, chemical, rubber and plastic											
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	2.7	-31.9	4.2	8.5	7.1	32.0	8.7	8.7	-15.1	
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	0.2	-22.1	11.6	5.9	12.9	-12.2	10.5	3.8	-4.3	
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	1.6	13.5	5.2	-7.2	8.1	6.8	6.4	4.3	2.7	
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	3.7	14.6	10.0	8.0	14.7	14.9	-17.4	0.3	-3.7	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka		-2.5	-44.1	59.2	9.3	3.4	-17.9	-5.1	0.6	-5.6	
Non-metallic mineral products, basic metal and fabricated metal products											
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	-5.3	-51.5	79.6	10.2	6.1	-20.5	-10.6	-3.1	-4.7	
24	Pembuatan logam asas Manufacture of basic metals	-2.1	-48.3	84.5	7.6	-2.0	-22.0	9.1	1.3	-3.7	
25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	-0.4	-34.7	30.3	10.3	6.3	-12.2	-12.0	3.0	-7.8	
6. Produk elektrik dan elektronik		-5.4	-16.5	36.5	-3.3	0.8	-2.4	8.1	-3.5	-5.0	
Electrical and electronic products											
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	-4.7	-17.6	37.8	-3.2	2.1	-5.9	10.1	-3.6	-5.1	
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	-12.0	-16.6	43.2	-4.1	-7.7	9.6	5.9	-2.8	-8.4	
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	-4.3	-6.3	19.4	-4.0	-1.6	19.7	-5.6	-3.4	-0.03	
7. Kelengkapan pengangkutan dan pembuatan lain		-11.4	-30.2	79.0	3.9	-11.3	-10.8	-8.1	-1.8	-7.6	
Transport equipment and other manufactures											
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	-15.3	-26.5	90.0	3.6	-15.2	-11.7	-5.6	-3.9	-6.8	
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	-3.8	-41.8	47.7	15.9	-0.5	-11.8	-8.6	1.6	-11.0	
32	Pembuatan lain Other manufacturing	1.1	-31.6	48.0	-2.1	2.3	2.0	-27.3	4.9	-7.8	
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	-5.4	-38.8	79.6	-6.0	-2.7	-21.0	4.1	1.1	-7.5	
Pembuatan Manufacturing		Jumlah Total	-4.6	-16.9	27.2	2.1	0.5	2.6	1.1	-1.0	-5.7

																					(%)
2020												2021									
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
-4.4	17.2	3.4	12.4	-8.1	1.5	8.2	0.6	-9.6	-1.3	-7.1	-0.7	0.8	22.8	-2.3	7.6	-9.6	1.4	13.2	0.4	-2.3	
-4.6	24.4	2.9	11.3	-9.6	1.0	8.3	0.7	-9.8	-2.0	-7.7	-0.6	0.2	25.2	-1.4	10.1	-10.2	0.6	12.8	-1.2	-1.9	
-5.8	-62.4	20.5	36.5	19.8	19.5	1.6	-1.0	-3.1	8.2	8.8	0.1	7.0	-4.3	-18.2	-39.2	15.7	36.8	14.9	17.5	-8.7	
12.2	-98.2	444.8	356.2	113.2	-8.3	18.1	-0.6	-8.5	15.7	-9.9	-5.8	16.9	-19.2	-16.5	-69.5	6.8	-30.5	151.9	191.0	-16.1	
-6.3	-57.7	67.9	30.9	1.5	-0.3	4.4	9.4	-2.7	6.9	-2.5	-3.1	2.1	-4.7	-4.4	-1.9	-2.5	2.1	3.0	12.8	4.1	
-7.9	-60.8	83.9	25.1	2.7	5.4	-0.3	11.8	-2.6	4.3	-0.9	-2.7	7.8	-2.0	-2.4	8.4	-8.1	-2.3	0.9	8.8	6.7	
-5.8	-49.0	43.6	29.2	2.1	-3.4	8.9	7.8	-4.8	9.8	-5.3	-2.9	-4.3	-4.6	-6.1	-6.6	6.2	3.1	1.8	14.5	0.6	
-2.0	-77.9	167.1	65.5	-5.0	-10.0	7.2	5.5	6.2	6.0	2.2	-5.5	3.7	-16.3	-7.9	-35.3	-5.8	32.6	22.2	26.3	6.2	
-1.3	-70.0	60.4	92.9	3.8	0.6	3.4	1.5	0.4	0.4	1.3	-4.2	9.3	-13.1	-14.4	-15.1	-3.4	30.5	10.4	8.5	8.7	
-2.7	-93.9	62.2	711.2	2.0	-1.9	11.1	-1.3	3.7	4.7	0.3	-5.0	10.8	-21.9	-32.9	-19.7	-0.4	72.4	12.0	14.4	10.4	
2.1	-28.4	18.4	19.9	0.5	0.4	0.6	2.0	-2.0	-4.0	2.9	0.9	15.4	-2.1	-6.4	0.2	-1.7	7.1	1.7	2.3	0.01	
-7.2	-60.2	59.1	37.4	19.0	5.5	0.2	0.7	1.2	0.6	2.4	-3.9	-2.5	-0.2	-12.0	-26.4	16.6	16.7	3.8	1.2	23.1	
0.9	-92.2	567.4	102.2	1.7	0.6	-0.1	5.2	-1.6	0.1	0.04	-9.3	7.8	-24.3	-2.4	-28.1	-27.4	57.5	33.7	15.4	10.2	
6.4	-18.3	-1.6	7.7	2.0	2.8	-1.2	2.2	4.0	6.2	4.8	-6.0	15.5	5.7	-1.8	2.5	2.5	-5.0	-2.8	0.4	5.6	
2.0	-23.5	-11.8	3.0	4.0	6.8	-5.4	0.4	9.5	9.4	3.7	-10.4	5.3	30.9	2.6	-1.6	11.9	-2.3	-3.3	0.8	12.4	
3.5	-29.9	8.4	12.6	0.5	1.0	-1.2	-1.2	6.3	9.7	3.1	-1.5	6.4	-18.6	-0.1	12.7	-0.4	6.1	-4.0	1.2	3.6	
6.8	0.2	3.7	14.8	-6.3	2.7	-1.0	-4.6	-1.8	-5.3	5.6	6.1	8.0	-4.5	-3.8	21.3	-9.2	4.4	5.0	-2.5	-1.4	
17.3	-0.3	3.0	8.2	2.1	0.4	3.2	6.7	-2.1	1.3	7.4	-5.6	33.1	2.1	-6.9	0.5	-5.0	-16.2	-1.5	-0.6	-2.0	
-4.4	-65.1	64.2	46.5	8.0	2.8	3.5	2.3	2.1	6.2	2.5	-6.8	2.6	-2.6	-11.9	-24.2	-3.4	26.4	17.7	7.1	5.2	
-4.1	-75.7	107.7	53.2	16.7	0.9	0.9	2.6	6.6	5.9	2.7	-6.0	4.5	-10.6	-7.9	-21.6	-0.6	10.6	7.2	12.7	14.4	
-5.9	-71.0	42.5	126.3	1.3	4.2	10.5	0.5	-2.1	1.0	1.7	-6.0	1.4	-3.0	-19.0	-22.0	-6.6	55.6	26.0	0.9	0.2	
-3.4	-51.7	58.1	6.7	8.1	3.0	-0.8	3.9	2.8	11.3	3.1	-8.1	2.2	4.2	-9.2	-27.6	-3.2	17.2	17.3	9.8	3.6	
-2.2	-37.4	27.8	45.2	3.9	-5.0	3.0	-2.2	-4.9	5.8	-1.5	-1.5	3.8	-3.6	-7.0	13.2	-7.1	11.2	6.7	3.2	-4.0	
-2.2	-37.6	26.8	44.2	5.0	-5.1	4.4	-3.2	-5.0	7.3	-1.5	-0.7	3.5	-7.5	-6.8	13.6	-5.2	9.6	8.1	3.2	-4.8	
-3.3	-38.4	32.9	47.2	6.8	-1.5	-3.4	3.6	-6.3	-1.9	0.5	-10.0	6.0	10.3	-6.8	11.5	-8.3	13.9	2.1	5.2	-1.6	
-0.9	-34.0	31.1	50.8	-8.3	-8.0	-1.8	0.5	-1.4	1.6	-3.7	0.5	3.9	19.9	-9.3	11.2	-21.5	23.8	0.02	0.6	-0.1	
-8.2	-68.9	131.2	74.1	11.8	-1.3	-5.6	3.7	6.6	0.5	-14.1	-5.3	13.9	0.2	-14.8	-24.3	6.3	6.9	19.2	23.5	7.3	
-13.8	-69.7	155.6	83.8	16.2	-2.4	-8.1	4.4	7.8	2.0	-19.9	-3.5	13.3	-1.4	-12.7	-27.6	14.3	4.1	18.5	28.7	7.1	
4.8	-70.2	106.5	37.2	0.01	1.9	3.7	10.2	5.5	-4.7	2.7	-10.8	18.6	-0.2	-25.6	-3.1	-10.1	19.1	8.0	17.0	8.6	
-4.2	-62.3	95.0	43.8	-1.9	4.7	0.2	-4.0	-0.2	1.2	5.3	-8.8	7.6	17.4	-7.1	-31.9	-18.3	10.5	35.9	5.6	5.3	
17.0	-70.6	42.8	135.1	3.7	-1.1	0.7	-4.7	3.6	-11.3	2.0	-7.1	22.6	-9.5	-31.7	-2.3	3.6	10.3	30.3	6.1	11.7	
-1.0	-31.2	18.1	30.5	2.0	-0.6	2.3	0.6	-1.7	3.9	-1.4	-3.6	7.2	2.9	-6.1	1.3	-3.6	5.5	6.9	3.9	1.2	

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

Subsektor Sub-sector	2019	2020	2020				2021		
			Q1	Q2	Q3	Q4	Q1	Q2	
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	294,505	290,799	298,423	297,061	296,725	290,799	298,808	298,494	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	275,355	273,958	278,775	280,115	279,731	273,958	281,281	281,706	
11 Pembuatan minuman <i>Manufacture of beverages</i>	17,552	15,681	18,029	15,968	15,917	15,681	16,115	15,637	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	1,598	1,160	1,618	979	1,076	1,160	1,412	1,151	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	93,969	80,451	96,070	89,289	82,475	80,451	81,540	78,971	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	28,347	26,699	28,702	27,774	27,185	26,699	27,384	27,027	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	53,463	41,919	55,042	49,680	43,653	41,919	42,142	40,318	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	12,158	11,833	12,326	11,835	11,637	11,833	12,015	11,626	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	298,131	284,313	297,801	282,125	283,806	284,313	286,710	278,262	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting</i>	98,930	91,127	98,116	92,042	92,660	91,127	90,158	88,825	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	57,044	54,294	57,106	52,828	53,264	54,294	55,320	54,235	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	66,042	65,015	66,434	63,311	63,738	65,015	65,618	63,077	
31 Pembuatan perabot <i>Manufacture of furniture</i>	76,116	73,877	76,145	73,944	74,144	73,877	75,614	72,124	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	414,144	417,319	416,293	411,872	417,253	417,319	423,964	427,330	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	17,918	16,623	18,013	15,901	16,311	16,623	17,207	16,812	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	108,158	101,429	109,437	99,239	101,241	101,429	104,975	101,641	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan farmaseutikal preparations <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	21,320	23,344	20,994	23,540	23,751	23,344	23,420	26,265	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	266,749	275,924	267,849	273,192	275,951	275,924	278,363	282,612	
5. Produk mineral bukan logam, logam asas dan produk logam yang <i>Non-metallic mineral products, basic metal and fabricated metal</i>	367,904	368,721	367,548	363,587	364,654	368,721	373,885	362,525	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	107,017	103,386	106,336	104,723	103,767	103,386	104,197	102,770	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	111,660	110,682	111,966	106,670	106,842	110,682	111,732	107,896	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	149,227	154,653	149,246	152,194	154,045	154,653	157,956	151,859	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	562,778	556,233	566,600	544,528	549,130	556,233	562,623	568,471	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	376,161	365,538	380,739	359,218	360,614	365,538	370,468	376,557	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	95,456	98,712	96,173	94,524	97,196	98,712	99,658	98,270	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	91,161	91,983	89,689	90,785	91,320	91,983	92,497	93,644	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	212,357	201,360	214,538	199,681	201,256	201,360	206,014	201,366	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	89,154	82,994	90,076	82,161	82,131	82,994	83,226	82,711	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	45,413	41,252	46,205	40,572	41,555	41,252	43,092	40,706	
32 Pembuatan lain <i>Other manufacturing</i>	36,734	37,138	37,485	37,519	37,508	37,138	38,583	37,931	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	41,056	39,976	40,771	39,427	40,063	39,976	41,113	40,018	
Pembuatan <i>Manufacturing</i>	Jumlah <i>Total</i>	2,243,788	2,199,195	2,257,273	2,188,142	2,195,300	2,199,195	2,233,545	2,215,420

	2020	2021	2020								
Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.
299,079	290,300	297,067	302,322	301,515	298,423	295,600	294,186	297,061	296,427	296,231	296,725
281,854	273,647	280,110	282,654	281,760	278,775	278,260	277,119	280,115	279,258	279,108	279,731
16,029	15,468	15,759	18,066	18,142	18,029	16,375	16,087	15,968	16,198	16,161	15,917
1,196	1,185	1,199	1,602	1,614	1,618	965	980	979	971	961	1,076
78,901	80,628	82,088	97,050	97,273	96,070	89,033	90,260	89,289	85,399	82,093	82,475
27,293	26,891	27,528	29,525	29,506	28,702	27,123	27,615	27,774	27,286	27,453	27,185
39,623	41,963	42,252	55,180	55,177	55,042	50,113	50,790	49,680	46,469	43,096	43,653
11,985	11,773	12,308	12,345	12,590	12,326	11,796	11,855	11,835	11,644	11,544	11,637
287,981	284,447	295,057	303,623	302,741	297,801	274,815	279,431	282,125	283,079	282,443	283,806
93,126	91,400	94,107	101,619	101,076	98,116	88,783	91,542	92,042	92,208	91,736	92,660
54,814	53,997	56,618	57,734	57,653	57,106	52,322	52,428	52,828	52,806	52,754	53,264
62,499	65,244	67,089	68,267	67,872	66,434	61,297	61,722	63,311	64,118	64,003	63,738
77,542	73,807	77,243	76,003	76,140	76,145	72,412	73,739	73,944	73,947	73,949	74,144
422,651	417,351	420,700	419,969	418,110	416,293	408,382	410,875	411,872	415,132	416,992	417,253
17,148	16,416	16,982	18,106	18,070	18,013	16,307	15,944	15,901	16,311	16,283	16,311
101,298	101,598	102,000	111,174	110,370	109,437	98,602	99,031	99,239	100,841	101,169	101,241
26,547	23,414	25,048	21,264	21,209	20,994	23,338	23,413	23,540	23,540	23,713	23,751
277,659	275,923	276,671	269,426	268,461	267,849	270,135	272,488	273,192	274,440	275,826	275,951
365,349	365,437	368,520	371,739	371,366	367,548	358,454	360,328	363,587	364,444	364,464	364,654
103,829	103,995	104,457	108,963	107,471	106,336	103,904	103,836	104,723	103,804	103,758	103,767
106,907	107,391	108,518	112,793	113,090	111,966	107,125	107,222	106,670	106,047	106,579	106,842
154,614	154,050	155,545	149,983	150,805	149,246	147,424	149,270	152,194	154,593	154,127	154,045
573,632	555,854	583,641	568,528	569,988	566,600	541,448	540,731	544,528	546,715	547,745	549,130
381,683	365,140	389,519	380,795	380,887	380,739	358,383	357,733	359,218	360,599	360,525	360,614
100,361	98,897	100,953	96,573	96,765	96,173	93,848	93,561	94,524	95,282	96,461	97,196
91,587	91,818	93,169	91,161	92,336	89,689	89,216	89,437	90,785	90,834	90,759	91,320
203,813	201,471	206,501	217,719	216,888	214,538	201,742	199,332	199,681	201,064	200,820	201,256
83,032	82,784	83,602	90,513	90,538	90,076	83,314	81,267	82,161	82,306	82,253	82,131
41,603	41,473	41,992	46,929	46,636	46,205	41,008	41,115	40,572	41,527	41,387	41,555
38,175	37,202	38,985	37,799	37,704	37,485	37,064	37,295	37,519	37,376	37,313	37,508
41,003	40,013	41,922	42,479	42,010	40,771	40,357	39,655	39,427	39,856	39,866	40,063
2,231,406	2,195,488	2,253,574	2,280,951	2,277,882	2,257,273	2,169,473	2,175,145	2,188,142	2,192,260	2,190,787	2,195,300

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

Subsektor Sub-sector	Okt.	Nov.	Dis.
1. Makanan, minuman dan tembakau Food, beverages and tobacco	290,295	290,300	290,799
10 Pembuatan produk makanan Manufacture of food products	273,675	273,647	273,958
11 Pembuatan minuman Manufacture of beverages	15,505	15,468	15,681
12 Pembuatan produk tembakau Manufacture of tobacco products	1,114	1,185	1,160
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	81,382	80,628	80,451
13 Pembuatan tekstil Manufacture of textiles	27,033	26,891	26,699
14 Pembuatan pakaian Manufacture of wearing apparel	42,690	41,963	41,919
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	11,660	11,773	11,833
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	282,943	284,447	284,313
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	90,819	91,400	91,127
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	54,038	53,997	54,294
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	64,457	65,244	65,015
31 Pembuatan perabot Manufacture of furniture	73,630	73,807	73,877
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	416,966	417,351	417,319
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	16,433	16,416	16,623
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	100,775	101,598	101,429
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	23,531	23,414	23,344
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	276,228	275,923	275,924
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	364,527	365,437	368,721
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	103,241	103,995	103,386
24 Pembuatan logam asas Manufacture of basic metals	107,701	107,391	110,682
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	153,586	154,050	154,653
6. Produk elektrik dan elektronik Electrical and electronic products	552,049	555,854	556,233
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	363,194	365,140	365,538
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	98,390	98,897	98,712
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	90,464	91,818	91,983
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	200,357	201,471	201,360
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	81,922	82,784	82,994
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	41,281	41,473	41,252
32 Pembuatan lain Other manufacturing	37,203	37,202	37,138
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	39,952	40,013	39,976
	2,188,520	2,195,488	2,199,195

2021										
Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
298,703	299,069	298,808	298,788	297,815	298,494	299,752	296,629	299,079	295,243	297,067
281,478	281,573	281,281	281,674	280,814	281,706	283,017	279,573	281,854	278,286	280,110
15,982	16,067	16,115	15,961	15,845	15,637	15,622	15,995	16,029	15,759	15,759
1,243	1,429	1,412	1,153	1,157	1,151	1,113	1,061	1,196	1,198	1,199
81,176	81,641	81,540	81,396	82,235	78,971	78,312	78,955	78,901	79,049	82,088
27,248	27,266	27,384	27,394	27,701	27,027	26,862	27,102	27,293	27,385	27,528
41,906	42,172	42,142	41,961	42,454	40,318	40,022	40,221	39,623	39,428	42,252
12,023	12,203	12,015	12,041	12,081	11,626	11,428	11,632	11,985	12,235	12,308
287,317	287,103	286,710	285,320	287,642	278,262	278,370	279,123	287,981	290,663	295,057
92,009	91,216	90,158	90,090	92,622	88,825	90,985	91,465	93,126	92,979	94,107
55,040	55,359	55,320	54,957	54,800	54,235	53,891	53,894	54,814	55,655	56,618
65,218	65,262	65,618	63,679	63,844	63,077	62,788	62,872	62,499	65,050	67,089
75,049	75,267	75,614	76,594	76,376	72,124	70,706	70,892	77,542	76,979	77,243
421,190	419,834	423,964	430,144	429,402	427,330	425,522	424,489	422,651	423,687	420,700
16,790	16,792	17,207	16,752	16,759	16,812	17,135	17,138	17,148	17,060	16,982
102,157	102,029	104,975	101,455	101,702	101,641	101,485	101,314	101,298	102,528	102,000
23,328	23,477	23,420	26,421	26,220	26,265	26,471	26,721	26,547	26,387	25,048
278,915	277,536	278,363	285,515	284,720	282,612	280,431	279,317	277,659	277,712	276,671
372,810	371,377	373,885	370,742	369,426	362,525	361,387	361,721	365,349	367,597	368,520
105,335	103,672	104,197	104,985	104,777	102,770	103,244	103,340	103,829	103,844	104,457
111,859	111,442	111,732	109,495	108,920	107,896	106,276	106,455	106,907	108,292	108,518
155,617	156,264	157,956	156,262	155,729	151,859	151,867	151,926	154,614	155,460	155,545
558,994	562,597	562,623	564,163	566,004	568,471	565,537	571,538	573,632	579,226	583,641
366,945	369,641	370,468	372,829	375,037	376,557	376,207	380,326	381,683	386,599	389,519
99,564	99,154	99,658	98,408	98,437	98,270	97,652	99,525	100,361	101,075	100,953
92,485	93,802	92,497	92,927	92,530	93,644	91,679	91,687	91,587	91,552	93,169
205,506	206,794	206,014	204,451	203,935	201,366	201,204	201,260	203,813	205,584	206,501
82,939	83,478	83,226	83,481	83,275	82,711	82,206	82,074	83,032	83,593	83,602
42,799	42,887	43,092	41,382	41,279	40,706	40,630	40,587	41,603	41,959	41,992
38,315	38,679	38,583	38,532	38,391	37,931	37,994	37,964	38,175	38,422	38,985
41,454	41,750	41,113	41,056	40,989	40,018	40,374	40,635	41,003	41,610	41,922
2,225,697	2,228,415	2,233,545	2,235,004	2,236,459	2,215,420	2,210,084	2,213,715	2,231,406	2,241,048	2,253,574

Jadual
Table

1.2b

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

Subsektor Sub-sector	2020	2020				2021			2020	2021	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	
1. Makanan, minuman dan tembakau	-1.3	1.4	-0.4	-0.8	-1.3	0.1	0.5	0.8	-0.7	2.3	
Food, beverages and tobacco											
10 Pembuatan produk makanan Manufacture of food products	-0.5	1.4	0.4	-0.1	-0.5	0.9	0.6	0.8	0.1	2.4	
11 Pembuatan minuman Manufacture of beverages	-10.7	2.0	-9.4	-9.0	-10.7	-10.6	-2.1	0.7	-11.3	1.9	
12 Pembuatan produk tembakau Manufacture of tobacco products	-27.4	-0.4	-41.3	-32.4	-27.4	-12.8	17.6	11.1	-23.6	1.2	
2. Tekstil, pakaian, kulit dan kasut	-14.4	1.7	-6.2	-13.2	-14.4	-15.1	-11.6	-4.3	-14.5	1.8	
Textiles, wearing apparel, leather and footwear											
13 Pembuatan tekstil Manufacture of textiles	-5.8	0.6	-4.8	-5.5	-5.8	-4.6	-2.7	0.4	-5.7	2.4	
14 Pembuatan pakaian Manufacture of wearing apparel	-21.6	2.3	-7.5	-19.0	-21.6	-23.4	-18.8	-9.2	-21.8	0.7	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	-2.7	1.8	-4.0	-5.8	-2.7	-2.5	-1.8	3.0	-3.4	4.5	
3. Produk kayu, perabot, keluaran kertas dan percetakan	-4.6	0.9	-5.9	-5.2	-4.6	-3.7	-1.4	1.5	-5.3	3.7	
Wood products, furniture, paper products and printing											
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-7.9	0.5	-8.3	-7.3	-7.9	-8.1	-3.5	0.5	-9.0	3.0	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	-4.8	1.3	-7.0	-6.8	-4.8	-3.1	2.7	2.9	-5.0	4.9	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	-1.6	0.8	-6.3	-5.2	-1.6	-1.2	-0.4	-1.9	-2.8	2.8	
31 Pembuatan perabot Manufacture of furniture	-2.9	1.2	-1.5	-1.2	-2.9	-0.7	-2.5	4.6	-3.0	4.7	
4. Petroleum, kimia, getah dan plastik	0.8	1.4	-0.3	0.2	0.8	1.8	3.8	1.3	0.3	0.8	
Petroleum, chemical, rubber and plastic											
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	-7.2	4.5	-9.9	-7.1	-7.2	-4.5	5.7	5.1	-6.3	3.4	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	-6.2	1.5	-8.0	-7.0	-6.2	-4.1	2.4	0.1	-6.4	0.4	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	9.5	1.4	9.3	11.3	9.5	11.6	11.6	11.8	9.3	7.0	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	3.4	1.2	2.7	2.6	3.4	3.9	3.4	0.6	2.8	0.3	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	0.2	1.4	-0.2	-0.7	0.2	1.7	-0.3	0.2	-0.6	0.8	
Non-metallic mineral products, basic metal and fabricated metal products											
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	-3.4	2.2	0.1	-3.1	-3.4	-2.0	-1.9	0.1	-2.8	0.4	
24 Pembuatan logam asas Manufacture of basic metals	-0.9	2.6	-3.0	-4.4	-0.9	-0.2	1.1	0.1	-3.9	1.0	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	3.6	0.1	1.8	3.7	3.6	5.8	-0.2	0.4	3.5	1.0	
6. Produk elektrik dan elektronik	-1.2	0.9	-1.8	-1.8	-1.2	-0.7	4.4	4.5	-1.1	5.0	
Electrical and electronic products											
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	-2.8	1.2	-3.3	-3.7	-2.8	-2.7	4.8	5.8	-2.8	6.7	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	3.4	0.2	0.8	2.4	3.4	3.6	4.0	3.3	3.8	2.1	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	0.9	0.4	1.5	1.9	0.9	3.1	3.1	0.3	0.7	1.5	
7. Kelengkapan pengangkutan dan pembuatan lain	-5.2	1.5	-6.2	-5.1	-5.2	-4.0	0.8	1.3	-5.3	2.5	
Transport equipment and other manufactures											
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	-6.9	0.1	-7.9	-7.3	-6.9	-7.6	0.7	1.1	-7.1	1.0	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	-9.2	3.4	-10.9	-8.5	-9.2	-6.7	0.3	0.1	-8.4	1.3	
32 Pembuatan lain Other manufacturing	1.1	0.6	2.0	2.6	1.1	2.9	1.1	1.8	0.8	4.8	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	-2.6	3.5	-4.9	-3.5	-2.6	0.8	1.5	2.3	-3.3	4.8	
Pembuatan Manufacturing	Jumlah Total	-2.0	1.2	-2.2	-2.4	-2.0	-1.1	1.2	1.6	-2.2	2.6

																								(%)
2020												2021												
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.		
1.8	1.8	1.4	-0.4	-0.9	-0.4	-0.4	0.1	-0.8	-0.9	-0.7	-1.3	-1.2	-0.8	0.1	1.1	1.2	0.5	1.1	0.1	0.8	1.7	2.3		
1.7	1.8	1.4	0.2	-0.1	0.4	0.3	0.8	-0.1	-0.1	0.1	-0.5	-0.4	-0.1	0.9	1.2	1.3	0.6	1.3	0.2	0.8	1.7	2.4		
2.4	2.7	2.0	-7.1	-9.0	-9.4	-8.9	-8.2	-9.0	-10.9	-11.3	-10.7	-11.5	-11.4	-10.6	-2.5	-1.5	-2.1	-3.6	-1.0	0.7	1.6	1.9		
1.6	0.1	-0.4	-40.8	-41.0	-41.3	-40.2	-40.3	-32.4	-29.1	-23.6	-27.4	-22.4	-11.5	-12.8	19.4	18.0	17.6	14.7	10.4	11.1	7.5	1.2		
2.1	2.5	1.7	-7.2	-5.5	-6.2	-9.8	-13.3	-13.2	-14.2	-14.5	-14.4	-16.4	-16.1	-15.1	-8.6	-8.9	-11.6	-8.3	-3.8	-4.3	-2.9	1.8		
0.6	1.4	0.6	-8.0	-5.0	-4.8	-5.4	-5.1	-5.5	-5.9	-5.7	-5.8	-7.7	-7.6	-4.6	1.0	0.3	-2.7	-1.6	-1.3	0.4	1.3	2.4		
2.7	2.9	2.3	-7.4	-5.9	-7.5	-13.1	-19.4	-19.0	-20.8	-21.8	-21.6	-24.1	-23.6	-23.4	-16.3	-16.4	-18.8	-13.9	-6.7	-9.2	-7.6	0.7		
3.1	3.3	1.8	-3.9	-4.9	-4.0	-5.4	-6.2	-5.8	-5.1	-3.4	-2.7	-2.6	-3.1	-2.5	2.1	1.9	-1.8	-1.9	0.8	3.0	4.9	4.5		
1.4	1.2	0.9	-7.6	-6.4	-5.9	-5.1	-5.4	-5.2	-5.5	-5.3	-4.6	-5.4	-5.2	-3.7	3.8	2.9	-1.4	-1.7	-1.2	1.5	2.7	3.7		
0.5	0.6	0.5	-10.6	-8.9	-8.3	-6.8	-7.5	-7.3	-8.9	-9.0	-7.9	-9.5	-9.8	-8.1	1.5	1.2	-3.5	-1.3	-0.3	0.5	2.4	3.0		
1.5	1.7	1.3	-7.9	-7.4	-7.0	-7.4	-7.6	-6.8	-5.2	-5.0	-4.8	-4.7	-4.0	-3.1	5.0	4.5	2.7	2.1	2.2	2.9	3.0	4.9		
2.1	1.3	0.8	-7.1	-6.7	-6.3	-5.0	-5.1	-5.2	-3.9	-2.8	-1.6	-4.5	-3.8	-1.2	3.9	3.4	-0.4	-2.1	-1.8	-1.9	0.9	2.8		
2.0	1.4	1.2	-3.8	-2.1	-1.5	-1.2	-1.3	-1.2	-2.8	-3.0	-2.9	-1.3	-1.1	-0.7	5.8	3.6	-2.5	-4.4	-4.1	4.6	4.5	4.7		
1.3	1.5	1.4	-1.0	-0.6	-0.3	-0.4	-0.4	0.2	0.4	0.3	0.8	0.3	0.4	1.8	5.3	4.5	3.8	2.5	1.8	1.3	1.6	0.8		
4.6	4.8	4.5	-7.6	-9.8	-9.9	-9.0	-8.6	-7.1	-6.7	-6.3	-7.2	-7.3	-7.1	-4.5	2.7	5.1	5.7	5.1	5.2	5.1	3.8	3.4		
1.4	1.9	1.5	-9.1	-8.7	-8.0	-7.8	-7.5	-7.0	-7.1	-6.4	-6.2	-8.1	-7.6	-4.1	2.9	2.7	2.4	0.6	0.1	0.1	1.7	0.4		
2.1	2.2	1.4	10.5	8.8	9.3	10.2	10.7	11.3	10.7	9.3	9.5	9.7	10.7	11.6	13.2	12.0	11.6	12.4	12.7	11.8	12.1	7.0		
1.0	1.1	1.2	1.8	2.5	2.7	2.3	2.2	2.6	3.2	2.8	3.4	3.5	3.4	3.9	5.7	4.5	3.4	2.2	1.3	0.6	0.5	0.3		
1.6	1.8	1.4	-1.7	-1.0	-0.2	-0.5	-0.8	-0.7	-0.8	-0.6	0.2	0.3	0.0	1.7	3.4	2.5	-0.3	-0.8	-0.8	0.2	0.8	0.8		
2.5	2.6	2.2	-1.4	-1.3	0.1	-1.5	-1.9	-3.1	-3.4	-2.8	-3.4	-3.3	-3.5	-2.0	1.0	0.9	-1.9	-0.5	-0.4	0.1	0.6	0.4		
2.9	3.0	2.6	-2.1	-2.1	-3.0	-4.7	-4.6	-4.4	-3.8	-3.9	-0.9	-0.8	-1.5	-0.2	2.2	1.6	1.1	0.2	-0.1	0.1	0.5	1.0		
0.1	0.4	0.1	-1.5	0.1	1.8	3.4	2.8	3.7	3.3	3.5	3.6	3.8	3.6	5.8	6.0	4.3	-0.2	-1.8	-1.4	0.4	1.2	1.0		
1.1	1.3	0.9	-3.6	-2.9	-1.8	-2.4	-2.2	-1.8	-1.3	-1.1	-1.2	-1.7	-1.3	-0.7	4.2	4.7	4.4	3.4	4.3	4.5	4.9	5.0		
1.2	1.5	1.2	-4.6	-3.9	-3.3	-3.9	-3.8	-3.7	-3.2	-2.8	-2.8	-3.6	-3.0	-2.7	4.0	4.8	4.8	4.3	5.5	5.8	6.4	6.7		
0.1	0.4	0.2	-2.0	-1.8	0.8	1.1	1.3	2.4	4.0	3.8	3.4	3.1	2.5	3.6	4.9	5.2	4.0	2.5	3.2	3.3	2.7	2.1		
1.3	1.7	0.4	-0.9	0.1	1.5	0.4	0.9	1.9	1.2	0.7	0.9	1.5	1.6	3.1	4.2	3.5	3.1	0.9	1.0	0.3	1.2	1.5		
1.8	2.1	1.5	-4.6	-6.0	-6.2	-5.6	-5.5	-5.1	-5.4	-5.3	-5.2	-5.6	-4.7	-4.0	1.3	2.3	0.8	0.1	0.2	1.3	2.6	2.5		
0.2	0.5	0.1	-6.0	-8.9	-7.9	-8.1	-7.4	-7.3	-7.4	-7.1	-6.9	-8.4	-7.8	-7.6	0.2	2.5	0.7	-0.1	-0.2	1.1	2.0	1.0		
3.4	4.0	3.4	-8.8	-9.0	-10.9	-8.5	-9.0	-8.5	-9.1	-8.4	-9.2	-8.8	-8.0	-6.7	0.9	0.4	0.3	-2.2	-1.9	0.1	1.6	1.3		
0.2	1.2	0.6	0.2	1.9	2.0	1.7	1.9	2.6	1.2	0.8	1.1	1.4	2.6	2.9	4.0	2.9	1.1	1.7	1.7	1.8	3.3	4.8		
4.9	4.6	3.5	-1.3	-3.4	-4.9	-3.5	-4.1	-3.5	-3.1	-3.3	-2.6	-2.4	-0.6	0.8	1.7	3.4	1.5	1.3	1.9	2.3	4.2	4.8		
1.4	1.6	1.2	-3.2	-2.8	-2.2	-2.4	-2.5	-2.4	-2.3	-2.2	-2.0	-2.4	-2.2	-1.1	3.0	2.8	1.2	0.8	1.0	1.6	2.4	2.6		

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

Subsektor Sub-sector		2020				2021					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Jan.	Feb.	
1. Makanan, minuman dan tembakau		1.3	-0.5	-0.1	-2.0	2.8	-0.1	0.2	2.7	-0.3	
Food, beverages and tobacco											
10	Pembuatan produk makanan Manufacture of food products	1.2	0.5	-0.1	-2.1	2.7	0.2	0.1	2.7	-0.3	
11	Pembuatan minuman Manufacture of beverages	2.7	-11.4	-0.3	-1.5	2.8	-3.0	2.5	2.9	0.4	
12	Pembuatan produk tembakau Manufacture of tobacco products	1.3	-39.5	10.0	7.8	21.7	-18.5	3.9	0.2	0.7	
2. Tekstil, pakaian, kulit dan kasut		2.2	-7.1	-7.6	-2.5	1.4	-3.2	-0.1	3.3	0.2	
Textiles, wearing apparel, leather and footwear											
13	Pembuatan tekstil Manufacture of textiles	1.3	-3.2	-2.1	-1.8	2.6	-1.3	1.0	4.2	-0.1	
14	Pembuatan pakaian Manufacture of wearing apparel	3.0	-9.7	-12.1	-4.0	0.5	-4.3	-1.7	3.2	-0.01	
15	Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	1.4	-4.0	-1.7	1.7	1.5	-3.2	3.1	1.5	2.0	
3. Produk kayu, perabot, keluaran kertas dan percetakan		-0.1	-5.3	0.6	0.2	0.8	-2.9	3.5	1.8	-0.3	
Wood products, furniture, paper products and printing											
16	Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials	-0.8	-6.2	0.7	-1.7	-1.1	-1.5	4.8	2.7	-0.5	
17	Pembuatan kertas dan produk kertas Manufacture of paper and paper products	0.1	-7.5	0.8	1.9	1.9	-2.0	1.1	1.2	-0.1	
18	Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	0.6	-4.7	0.7	2.0	0.9	-3.9	-0.9	3.4	-0.6	
31	Pembuatan perabot Manufacture of furniture	0.04	-2.9	0.3	-0.4	2.4	-4.6	7.5	-0.1	0.2	
4. Petroleum, kimia, getah dan plastik		0.5	-1.1	1.3	0.02	1.6	0.8	-1.1	1.4	-0.4	
Petroleum, chemical, rubber and plastic											
19	Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	0.5	-11.7	2.6	1.9	3.5	-2.3	2.0	1.0	-0.2	
20	Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	1.2	-9.3	2.0	0.2	3.5	-3.2	-0.3	2.8	-0.7	
21	Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	-1.5	12.1	0.9	-1.7	0.3	12.1	1.1	-0.3	-0.3	
22	Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	0.4	2.0	1.0	-0.01	0.9	1.5	-1.8	1.0	-0.4	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka		-0.1	-1.1	0.3	1.1	1.4	-3.0	0.8	1.0	-0.1	
Non-metallic mineral products, basic metal and fabricated metal products											
23	Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	-0.64	-1.52	-0.91	-0.4	0.8	-1.4	1.0	1.8	-1.4	
24	Pembuatan logam asas Manufacture of basic metals	0.3	-4.7	0.2	3.6	0.9	-3.4	-0.9	1.0	0.3	
25	Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	0.01	2.0	1.2	0.4	2.1	-3.9	1.8	0.5	0.5	
6. Produk elektrik dan elektronik		0.7	-3.9	0.8	1.3	1.1	1.0	0.9	1.0	0.3	
Electrical and electronic products											
26	Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	1.2	-5.7	0.4	1.4	1.3	1.6	1.4	1.2	0.02	
27	Pembuatan kelengkapan elektrik Manufacture of electrical equipment	0.8	-1.7	2.8	1.6	1.0	-1.4	2.1	1.2	0.2	
28	Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	-1.6	1.2	0.6	0.7	0.6	1.2	-2.2	0.0	1.3	
7. Kelengkapan pengangkutan dan pembuatan lain		1.0	-6.9	0.8	0.1	2.3	-2.3	1.2	2.5	-0.4	
Transport equipment and other manufactures											
29	Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	1.0	-8.8	-0.04	1.1	0.3	-0.6	0.4	1.5	0.03	
30	Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	1.7	-12.2	2.4	-0.7	4.5	-5.5	2.2	3.3	-0.6	
32	Pembuatan lain Other manufacturing	2.0	0.1	-0.03	-1.0	3.9	-1.7	0.6	2.9	-0.3	
33	Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	-0.7	-3.3	1.6	-0.2	2.8	-2.7	2.5	3.5	-1.1	
Pembuatan Manufacturing		Jumlah Total	0.6	-3.1	0.3	0.2	1.6	-0.8	0.7	1.7	-0.1

																						(%)
2020												2021										
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.		
-1.0	-0.9	-0.5	1.0	-0.2	-0.1	0.2	-2.2	0.0	0.2	2.7	0.1	-0.1	-0.01	-0.3	0.2	0.4	-1.0	0.8	-1.3	0.6		
-1.1	-0.2	-0.4	1.1	-0.3	-0.1	0.2	-2.2	-0.01	0.1	2.7	0.03	-0.1	0.1	-0.3	0.3	0.5	-1.2	0.8	-1.3	0.7		
-0.6	-9.2	-1.8	-0.7	1.4	-0.2	-1.5	-2.6	-0.2	1.4	1.9	0.5	0.3	-1.0	-0.7	-1.3	-0.1	2.4	0.2	-1.7	-0.004		
0.3	-40.4	1.5	-0.1	-0.8	-1.0	12.0	3.5	6.3	-2.1	7.2	14.9	-1.2	-18.4	0.3	-0.5	-3.3	-4.7	12.7	0.2	0.1		
-1.2	-7.3	1.4	-1.1	-4.4	-3.9	0.5	-1.3	-0.9	-0.2	0.9	0.6	-0.1	-0.2	1.0	-4.0	-0.8	0.8	-0.1	0.2	3.8		
-2.7	-5.5	1.8	0.6	-1.8	0.6	-1.0	-0.6	-0.5	-0.7	2.1	0.1	0.4	0.04	1.1	-2.4	-0.6	0.9	0.7	0.3	0.5		
-0.2	-9.0	1.3	-2.2	-6.5	-7.3	1.3	-2.2	-1.7	-0.1	-0.03	0.6	-0.1	-0.4	1.2	-5.0	-0.7	0.5	-1.5	-0.5	7.2		
-2.1	-4.3	0.5	-0.2	-1.6	-0.9	0.8	0.2	1.0	0.5	1.6	1.5	-1.5	0.2	0.3	-3.8	-1.7	1.8	3.0	2.1	0.6		
-1.6	-7.7	1.7	1.0	0.3	-0.2	0.5	-0.3	0.5	-0.05	1.1	-0.1	-0.1	-0.5	0.8	-3.3	0.04	0.3	3.2	0.9	1.5		
-2.9	-9.5	3.1	0.5	0.2	-0.5	1.0	-2.0	0.6	-0.3	1.0	-0.9	-1.2	-0.1	2.8	-4.1	2.4	0.5	1.8	-0.2	1.2		
-0.9	-8.4	0.2	0.8	-0.04	-0.1	1.0	1.5	-0.1	0.6	1.4	0.6	-0.1	-0.7	-0.3	-1.0	-0.6	0.01	1.7	1.5	1.7		
-2.1	-7.7	0.7	2.6	1.3	-0.2	-0.4	1.1	1.2	-0.4	0.3	0.1	0.5	-3.0	0.3	-1.2	-0.5	0.1	-0.6	4.1	3.1		
0.01	-4.9	1.8	0.3	0.0	0.0	0.3	-0.7	0.2	0.1	1.6	0.3	0.5	1.3	-0.3	-5.6	-2.0	0.3	9.4	-0.7	0.3		
-0.4	-1.9	0.6	0.2	0.8	0.4	0.1	-0.1	0.1	-0.01	0.9	-0.3	1.0	1.5	-0.2	-0.5	-0.4	-0.2	-0.4	0.2	-0.7		
-0.3	-9.5	-2.2	-0.3	2.6	-0.2	0.2	0.7	-0.1	1.3	1.0	0.02	2.5	-2.6	0.04	0.3	1.9	0.02	0.1	-0.5	-0.5		
-0.8	-9.9	0.4	0.2	1.6	0.3	0.1	-0.5	0.8	-0.2	0.7	-0.1	2.9	-3.4	0.2	-0.1	-0.2	-0.2	-0.02	1.2	-0.5		
-1.0	11.2	0.3	0.5	0.001	0.7	0.2	-0.9	-0.5	-0.3	-0.1	0.6	-0.2	12.8	-0.8	0.2	0.8	0.9	-0.7	-0.6	-5.1		
-0.2	0.9	0.9	0.3	0.5	0.5	0.05	0.1	-0.1	0.0	1.1	-0.5	0.3	2.6	-0.3	-0.7	-0.8	-0.4	-0.6	0.02	-0.4		
-1.0	-2.5	0.5	0.9	0.2	0.01	0.1	-0.03	0.2	0.9	1.1	-0.4	0.7	-0.8	-0.4	-1.9	-0.3	0.1	1.0	0.6	0.3		
-1.1	-2.3	-0.1	0.9	-0.9	-0.04	0.01	-0.5	0.7	-0.6	1.9	-1.6	0.5	0.8	-0.2	-1.9	0.5	0.1	0.5	0.01	0.6		
-1.0	-4.3	0.1	-0.5	-0.6	0.5	0.2	0.8	-0.3	3.1	1.1	-0.4	0.3	-2.0	-0.5	-0.9	-1.5	0.2	0.4	1.3	0.2		
-1.0	-1.2	1.3	2.0	1.6	-0.3	-0.1	-0.3	0.3	0.4	0.6	0.4	1.1	-1.1	-0.3	-2.5	0.01	0.04	1.8	0.5	0.1		
-0.6	-4.4	-0.1	0.7	0.4	0.2	0.3	0.5	0.7	0.1	0.5	0.6	0.0	0.3	0.3	0.4	-0.5	1.1	0.4	1.0	0.8		
-0.04	-5.9	-0.2	0.4	0.4	-0.02	0.02	0.7	0.5	0.1	0.4	0.7	0.2	0.6	0.6	0.4	-0.1	1.1	0.4	1.3	0.8		
-0.6	-2.4	-0.3	1.0	0.8	1.2	0.8	1.2	0.5	-0.2	0.9	-0.4	0.5	-1.3	0.03	-0.2	-0.6	1.9	0.8	0.7	-0.1		
-2.9	-0.5	0.2	1.5	0.1	-0.1	0.6	-0.9	1.5	0.2	0.5	1.4	-1.4	0.5	-0.4	1.2	-2.1	0.01	-0.1	-0.04	1.8		
-1.1	-6.0	-1.2	0.2	0.7	-0.1	0.2	-0.4	0.6	-0.1	2.1	0.6	-0.4	-0.8	-0.3	-1.3	-0.1	0.03	1.3	0.9	0.4		
-0.5	-7.5	-2.5	1.1	0.2	-0.1	-0.1	-0.3	1.1	0.3	-0.1	0.7	-0.3	0.3	-0.2	-0.7	-0.6	-0.2	1.2	0.7	0.01		
-0.9	-11.2	0.3	-1.3	2.4	-0.3	0.4	-0.7	0.5	-0.5	3.7	0.2	0.5	-4.0	-0.2	-1.4	-0.2	-0.1	2.5	0.9	0.1		
-0.6	-1.1	0.6	0.6	-0.4	-0.2	0.5	-0.8	0.0	-0.2	3.2	0.9	-0.2	-0.1	-0.4	-1.2	0.2	-0.1	0.6	0.6	1.5		
-2.9	-1.0	-1.7	-0.6	1.1	0.02	0.5	-0.3	0.2	-0.1	3.7	0.7	-1.5	-0.1	-0.2	-2.4	0.9	0.6	0.9	1.5	0.8		
-0.9	-3.9	0.3	0.6	0.2	-0.1	0.2	-0.3	0.3	0.2	1.2	0.1	0.2	0.1	0.1	-0.9	-0.2	0.2	0.8	0.4	0.6		

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

Subsektor Sub-sector	2019	2020	2020				
			Q1	Q2	Q3	Q4	
1. Makanan, minuman dan tembakau Food, beverages and tobacco	10,007	10,125	2,616	2,500	2,487	2,521	
10 Pembuatan produk makanan Manufacture of food products	9,306	9,525	2,439	2,367	2,350	2,369	
11 Pembuatan minuman Manufacture of beverages	614	537	157	121	123	135	
12 Pembuatan produk tembakau Manufacture of tobacco products	87	63	21	12	14	17	
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	2,267	1,996	567	475	475	479	
13 Pembuatan tekstil Manufacture of textiles	681	661	172	156	166	166	
14 Pembuatan pakaian Manufacture of wearing apparel	1,232	1,023	305	249	235	234	
15 Pembuatan produk kulit dan barangan berkaitan Manufacture of leather and related products	355	312	90	69	74	79	
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	9,214	8,965	2,353	2,147	2,228	2,237	
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	2,516	2,424	643	571	609	601	
17 Pembuatan kertas dan produk kertas Manufacture of paper and paper products	2,128	2,003	530	487	491	496	
18 Percetakan dan penerbitan semula media rakaman Printing and reproduction of recorded media	2,232	2,170	583	537	521	529	
31 Pembuatan perabot Manufacture of furniture	2,339	2,368	597	553	607	612	
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	19,155	19,409	4,835	4,680	4,888	5,007	
19 Pembuatan kok dan produk petroleum bertapis Manufacture of coke and refined petroleum products	2,387	2,282	637	491	537	617	
20 Pembuatan kimia dan produk kimia Manufacture of chemicals and chemical products	6,186	5,668	1,599	1,314	1,361	1,394	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani Manufacture of basic pharmaceutical products and pharmaceutical preparations	576	631	144	157	161	169	
22 Pembuatan produk getah dan plastik Manufacture of rubber and plastics products	10,006	10,828	2,455	2,718	2,829	2,827	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	13,833	13,579	3,535	3,246	3,342	3,455	
23 Pembuatan produk galian bukan logam lain Manufacture of other non-metallic mineral products	4,340	4,270	1,117	1,036	1,044	1,073	
24 Pembuatan logam asas Manufacture of basic metals	4,314	3,989	1,084	947	960	998	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan Manufacture of fabricated metal products, except machinery and equipment	5,178	5,320	1,334	1,264	1,339	1,384	
6. Produk elektrik dan elektronik Electrical and electronic products	26,258	26,201	6,941	6,229	6,341	6,690	
26 Pembuatan komputer, produk elektronik dan optikal Manufacture of computer, electronics and optical products	18,395	18,284	4,933	4,363	4,369	4,618	
27 Pembuatan kelengkapan elektrik Manufacture of electrical equipment	3,644	3,750	945	884	942	980	
28 Pembuatan jentera dan peralatan t.t.t.l. Manufacture of machinery and equipment n.e.c.	4,219	4,167	1,063	982	1,029	1,092	
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	7,470	6,920	1,880	1,630	1,659	1,750	
29 Pembuatan kenderaan bermotor, treler dan semi treler Manufacture of motor vehicles, trailers and semi-trailers	3,755	3,418	938	798	815	867	
30 Pembuatan kelengkapan pengangkutan lain Manufacture of other transport equipment	1,261	1,101	317	256	261	267	
32 Pembuatan lain Other manufacturing	1,117	1,161	290	280	290	300	
33 Pembaikan dan pemasangan jentera dan kelengkapan Repair and installation of machinery and equipment	1,336	1,240	335	296	293	316	
Pembuatan Manufacturing	Jumlah Total	88,206	87,194	22,728	20,906	21,420	22,139

(RM Juta/Million)

2021			2020		2021		2020						
Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.
2,559	2,564	2,555	9,253	9,420	885	877	854	842	836	822	824	826	838
2,411	2,429	2,422	8,708	8,905	824	817	798	795	792	780	779	781	790
131	121	120	489	460	54	53	49	43	40	38	40	41	43
17	14	14	57	55	7	7	7	4	4	4	4	4	5
466	443	437	1,830	1,656	196	186	186	151	160	163	162	156	157
163	162	161	605	598	59	57	56	49	53	55	56	55	55
223	207	204	940	778	106	100	100	80	85	83	81	76	77
79	75	72	285	280	31	30	30	22	22	25	24	24	25
2,286	2,215	2,204	8,197	8,248	796	782	775	690	718	738	745	741	742
605	586	616	2,220	2,239	217	217	209	182	190	199	204	200	205
505	502	495	1,837	1,845	175	175	179	161	161	165	163	163	166
559	549	507	1,979	1,957	202	189	193	176	181	179	177	177	167
617	578	586	2,161	2,207	202	201	194	171	186	195	202	201	204
5,017	5,121	5,104	17,677	18,589	1,608	1,584	1,644	1,499	1,557	1,624	1,600	1,625	1,663
617	522	565	2,060	2,102	209	198	230	163	159	169	171	170	196
1,462	1,388	1,398	5,172	5,173	531	529	538	432	428	455	451	449	461
165	180	183	569	649	48	48	48	54	51	52	53	54	54
2,772	3,030	2,958	9,875	10,664	819	809	828	852	919	947	925	951	953
3,525	3,393	3,334	12,377	12,602	1,192	1,187	1,156	1,045	1,095	1,107	1,115	1,112	1,115
1,079	1,088	1,055	3,905	3,955	375	373	369	333	349	354	351	346	347
1,043	986	959	3,632	3,669	369	363	352	306	320	321	318	321	322
1,403	1,319	1,320	4,840	4,978	448	452	434	406	426	432	447	446	447
6,957	6,691	6,606	23,814	24,836	2,355	2,353	2,233	2,047	2,073	2,109	2,097	2,101	2,142
4,871	4,742	4,623	16,633	17,459	1,670	1,666	1,597	1,459	1,448	1,457	1,441	1,447	1,481
976	910	952	3,404	3,480	321	322	301	271	301	312	313	315	314
1,110	1,039	1,032	3,777	3,897	364	364	335	318	324	340	343	339	348
1,776	1,734	1,664	6,303	6,358	632	639	609	550	529	551	548	552	560
865	858	803	3,105	3,097	315	321	303	270	255	273	266	272	278
288	277	259	1,011	1,005	106	107	104	85	85	86	87	86	88
302	291	303	1,053	1,107	97	98	95	91	92	97	96	96	97
322	309	298	1,133	1,149	114	113	108	104	96	96	98	98	97
22,584	22,162	21,904	79,451	81,709	7,664	7,608	7,456	6,825	6,968	7,113	7,091	7,113	7,217

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

Subsektor Sub-sector	Okt.	Nov.	Dis.
1. Makanan, minuman dan tembakau Food, beverages and tobacco	825	825	871
10 Pembuatan produk makanan <i>Manufacture of food products</i>	777	775	817
11 Pembuatan minuman <i>Manufacture of beverages</i>	42	45	48
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	5	5	7
2. Tekstil, pakaian, kulit dan kasut Textiles, wearing apparel, leather and footwear	157	156	166
13 Pembuatan tekstil <i>Manufacture of textiles</i>	55	55	56
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	76	75	83
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	26	26	27
3. Produk kayu, perabot, keluaran kertas dan percetakan Wood products, furniture, paper products and printing	737	733	767
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>	201	197	203
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	166	164	166
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	167	171	191
31 Pembuatan perabot <i>Manufacture of furniture</i>	204	201	207
4. Petroleum, kimia, getah dan plastik Petroleum, chemical, rubber and plastic	1,645	1,629	1,733
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	202	193	222
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	446	453	496
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	54	53	61
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	943	930	953
5. Produk mineral bukan logam, logam asas dan produk logam yang direka Non-metallic mineral products, basic metal and fabricated metal products	1,117	1,137	1,202
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	347	361	365
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	322	319	357
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	448	456	481
6. Produk elektrik dan elektronik Electrical and electronic products	2,164	2,139	2,388
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	1,495	1,472	1,651
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	317	317	346
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	351	350	390
7. Kelengkapan pengangkutan dan pembuatan lain Transport equipment and other manufactures	561	572	617
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	274	280	313
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	87	90	90
32 Pembuatan lain <i>Other manufacturing</i>	96	97	107
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	104	105	107
Pembuatan Manufacturing	7,205	7,190	7,744
Jumlah Total			

(RM Juta/Million)

2021										
Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.
853	848	858	863	858	843	857	828	871	869	872
803	798	810	816	813	800	814	784	823	822	822
44	44	42	43	40	38	38	39	43	43	45
5	6	6	5	5	5	5	4	5	5	5
160	153	153	152	153	138	143	146	147	150	160
55	54	54	54	55	53	53	54	54	55	57
78	72	72	72	73	61	68	68	68	68	76
27	26	26	26	25	24	22	24	25	27	27
770	757	758	746	746	722	718	725	761	767	777
205	201	199	198	197	191	199	202	215	216	217
167	167	171	170	166	166	162	163	170	171	173
191	182	186	183	187	179	172	172	162	167	175
208	207	201	194	197	187	185	187	214	213	213
1,656	1,636	1,724	1,670	1,698	1,753	1,692	1,701	1,711	1,693	1,653
199	193	225	169	168	185	181	180	205	204	194
479	483	500	465	450	474	467	462	469	463	462
55	55	55	62	59	59	60	62	61	62	59
923	905	944	974	1,022	1,035	985	997	976	965	939
1,188	1,162	1,174	1,142	1,149	1,101	1,088	1,087	1,159	1,169	1,181
361	353	365	365	371	351	349	346	360	364	370
350	342	352	333	331	322	310	313	336	340	341
477	468	458	444	447	428	429	429	462	466	470
2,342	2,359	2,255	2,211	2,233	2,247	2,154	2,196	2,256	2,288	2,295
1,625	1,653	1,593	1,582	1,572	1,588	1,505	1,532	1,586	1,610	1,614
339	327	310	280	312	318	313	319	320	322	320
379	379	352	349	349	340	336	345	350	355	361
588	597	592	600	578	556	542	548	573	587	597
287	294	283	298	285	275	260	264	279	284	288
92	94	101	96	94	87	86	85	89	90	91
101	102	99	97	96	98	98	101	104	105	106
107	107	108	109	103	97	99	99	101	107	112
7,558	7,512	7,514	7,386	7,416	7,360	7,195	7,231	7,479	7,523	7,536

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

Subsektor Sub-sector	2020	2020				2021			2020	2021	
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	
1. Makanan, minuman dan tembakau	1.2	6.8	0.6	-0.1	-2.4	-2.2	2.6	2.7	1.7	1.8	
Food, beverages and tobacco											
10 Pembuatan produk makanan	2.3	7.1	2.3	1.4	-1.2	-1.1	2.6	3.0	2.9	2.3	
Manufacture of food products											
11 Pembuatan minuman	-12.5	4.2	-19.2	-17.8	-17.0	-16.6	-0.05	-2.8	-12.3	-5.9	
Manufacture of beverages											
12 Pembuatan produk tembakau	-27.6	0.8	-45.9	-37.4	-25.9	-18.7	16.7	1.7	-27.6	-2.8	
Manufacture of tobacco products											
2. Tekstil, pakaian, kulit dan kasut	-12.0	2.4	-15.3	-16.5	-18.0	-17.9	-6.6	-8.0	-11.4	-9.5	
Textiles, wearing apparel, leather and footwear											
13 Pembuatan tekstil	-2.9	2.2	-6.4	-2.5	-4.9	-4.9	3.3	-3.4	-2.6	-1.1	
Manufacture of textiles											
14 Pembuatan pakaian	-17.0	2.4	-19.0	-23.8	-26.4	-26.8	-17.0	-13.1	-16.1	-17.2	
Manufacture of wearing apparel											
15 Pembuatan produk kulit dan barangan berkaitan	-12.1	3.0	-19.3	-18.2	-13.9	-12.3	8.2	-2.5	-12.0	-1.9	
Manufacture of leather and related products											
3. Produk kayu, perabot, keluaran kertas dan percetakan	-2.7	2.5	-7.4	-3.3	-2.6	-2.8	3.2	-1.1	-2.8	0.6	
Wood products, furniture, paper products and printing											
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman	-3.7	1.6	-9.4	-2.3	-4.7	-6.0	2.6	1.2	-3.6	0.8	
Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials											
17 Pembuatan kertas dan produk kertas	-5.8	1.2	-8.3	-9.8	-6.2	-4.7	3.1	0.7	-5.9	0.4	
Manufacture of paper and paper products											
18 Percetakan dan penerbitan semula media rakaman	-2.8	4.3	-7.1	-5.5	-2.7	-4.1	2.3	-2.8	-2.8	-1.1	
Printing and reproduction of recorded media											
31 Pembuatan perabot	1.2	3.1	-4.7	3.7	2.8	3.4	4.6	-3.3	1.1	2.1	
Manufacture of furniture											
4. Petroleum, kimia, getah dan plastik	1.3	2.6	-0.03	0.4	2.4	3.8	9.4	4.4	1.2	5.2	
Petroleum, chemical, rubber and plastic											
19 Pembuatan kok dan produk petroleum bertapis	-4.4	6.7	-10.2	-9.5	-5.0	-3.1	6.4	5.2	-4.4	2.1	
Manufacture of coke and refined petroleum products											
20 Pembuatan kimia dan produk kimia	-8.4	1.3	-15.9	-10.4	-8.6	-8.5	5.6	2.7	-8.4	0.01	
Manufacture of chemicals and chemical products											
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani	9.5	2.3	12.1	11.5	11.8	14.6	14.8	13.9	9.2	14.0	
Manufacture of basic pharmaceutical products and pharmaceutical preparations											
22 Pembuatan produk getah dan plastik	8.2	2.3	11.8	8.4	10.2	12.9	11.5	4.6	7.9	8.0	
Manufacture of rubber and plastics products											
5. Produk mineral bukan logam, logam asas dan produk logam yang direka	-1.8	2.7	-4.4	-3.3	-2.4	-0.3	4.5	-0.2	-1.9	1.8	
Non-metallic mineral products, basic metal and fabricated metal products											
23 Pembuatan produk galian bukan logam lain	-1.6	2.8	-2.7	-2.9	-3.7	-3.5	5.1	1.1	-1.4	1.3	
Manufacture of other non-metallic mineral products											
24 Pembuatan logam asas	-7.6	2.3	-10.3	-12.0	-9.9	-3.8	4.2	-0.1	-7.5	1.0	
Manufacture of basic metals											
25 Pembuatan produk logam, kecuali mesin dan kelengkapan	2.7	3.0	-0.8	3.6	5.1	5.2	4.3	-1.4	2.4	2.8	
Manufacture of fabricated metal products, except machinery and equipment											
6. Produk elektrik dan elektronik	-0.2	4.1	-3.7	-2.1	0.7	0.2	7.4	4.2	-0.3	4.3	
Electrical and electronic products											
26 Pembuatan komputer, produk elektronik dan optikal	-0.6	4.7	-3.2	-3.3	-0.8	-1.3	8.7	5.8	-0.5	5.0	
Manufacture of computer, electronics and optical products											
27 Pembuatan kelengkapan elektrik	2.9	1.3	-2.7	6.0	7.1	3.3	3.0	1.1	2.5	2.2	
Manufacture of electrical equipment											
28 Pembuatan jentera dan peralatan t.t.t.l.	-1.2	4.1	-6.7	-3.7	1.5	4.4	5.8	0.2	-1.7	3.2	
Manufacture of machinery and equipment n.e.c.											
7. Kelengkapan pengangkutan dan pembuatan lain	-7.4	1.3	-13.3	-10.3	-7.1	-5.5	6.4	0.3	-7.5	0.9	
Transport equipment and other manufactures											
29 Pembuatan kenderaan bermotor, treler dan semi treler	-9.0	-0.7	-16.7	-11.9	-6.5	-7.8	7.5	-1.5	-9.3	-0.3	
Manufacture of motor vehicles, trailers and semi-trailers											
30 Pembuatan kelengkapan pengangkutan lain	-12.7	1.5	-18.3	-18.0	-15.8	-9.1	7.9	-0.5	-12.5	-0.6	
Manufacture of other transport equipment											
32 Pembuatan lain	3.9	5.6	2.6	5.8	1.8	3.9	3.7	4.6	4.1	5.1	
Other manufacturing											
33 Pembaikan dan pemasangan jentera dan kelengkapan	-7.2	3.3	-11.7	-11.7	-8.3	-3.9	4.4	1.7	-7.3	1.4	
Repair and installation of machinery and equipment											
Pembuatan	Jumlah Total	-1.1	3.4	-4.0	-2.7	-1.3	-0.6	6.0	2.3	-1.2	2.8

(%)																							
2020												2021											
Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac.	Apr.	Mei.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
7.3	7.6	5.6	1.4	0.2	0.1	-0.3	-0.2	0.3	-1.7	-1.6	-3.9	-3.6	-3.3	0.5	2.5	2.6	2.5	4.0	0.3	3.9	5.4	5.8	
7.7	7.8	5.7	3.0	1.9	2.0	1.3	1.3	1.7	-0.4	-0.2	-2.9	-2.6	-2.3	1.5	2.6	2.7	2.6	4.5	0.5	4.1	5.7	6.1	
3.2	5.0	4.5	-16.5	-19.9	-21.2	-18.9	-17.2	-17.2	-17.9	-18.6	-14.8	-18.1	-17.6	-14.0	-0.1	0.2	-0.2	-5.6	-3.2	0.4	0.6	0.8	
2.1	0.6	-0.1	-43.9	-44.8	-48.8	-41.3	-41.5	-28.4	-25.0	-24.0	-27.9	-20.5	-17.1	-18.7	17.9	17.6	14.5	2.3	1.2	1.5	0.2	0.1	
3.1	3.4	0.8	-17.7	-15.3	-13.0	-15.6	-17.5	-16.5	-17.9	-18.4	-17.9	-18.0	-17.9	-17.7	0.5	-4.2	-15.5	-11.2	-6.5	-6.4	-4.6	2.6	
2.6	2.9	1.2	-11.2	-6.6	-1.6	-2.6	-1.7	-3.1	-4.4	-4.0	-6.3	-6.8	-4.2	-3.7	10.5	4.9	-4.4	-4.3	-3.4	-2.4	0.5	3.8	
3.4	3.7	0.1	-20.0	-18.1	-19.1	-22.3	-25.6	-23.7	-26.3	-27.6	-25.3	-25.9	-27.3	-27.2	-9.9	-14.8	-26.1	-16.3	-10.8	-11.9	-11.0	1.5	
2.7	3.4	2.7	-21.8	-22.4	-13.7	-17.0	-19.5	-18.0	-14.7	-13.7	-13.3	-11.9	-12.8	-12.2	16.0	15.2	-5.1	-9.9	0.2	2.1	3.7	3.5	
3.5	3.4	0.7	-10.4	-7.6	-4.2	-3.4	-3.9	-2.6	-2.8	-2.9	-2.2	-3.2	-3.2	-2.1	8.0	3.8	-2.1	-3.7	-2.2	2.6	4.0	6.0	
2.1	2.4	0.3	-13.0	-10.0	-5.1	-2.2	-2.5	-2.2	-3.7	-5.7	-4.6	-5.6	-7.6	-4.6	9.2	3.4	-4.1	-2.3	0.9	4.9	7.4	9.9	
1.1	1.8	0.6	-9.5	-8.8	-6.7	-10.9	-11.0	-7.6	-7.2	-6.2	-5.1	-5.0	-4.8	-4.3	5.5	3.1	0.8	-0.8	0.5	2.3	3.2	5.5	
6.2	5.4	1.3	-7.7	-7.4	-6.1	-4.4	-5.8	-6.2	-3.6	-2.5	-2.2	-5.5	-3.6	-3.2	4.0	3.2	-0.4	-2.9	-2.5	-2.9	0.4	2.2	
4.6	4.1	0.6	-11.0	-4.1	1.1	3.3	2.9	4.9	2.8	2.7	3.1	3.2	3.4	3.6	13.4	5.5	-3.9	-8.2	-7.1	5.2	4.4	5.7	
2.3	2.9	2.5	-3.2	0.4	2.7	0.1	0.4	0.8	2.1	1.9	3.1	3.0	3.3	4.9	11.4	9.1	8.0	5.8	4.7	2.9	2.9	1.5	
7.0	7.4	5.7	-9.5	-10.3	-10.8	-10.2	-9.2	-9.2	-6.6	-3.8	-4.6	-4.9	-2.4	-2.1	3.9	5.8	9.5	5.3	5.4	4.9	1.0	0.6	
1.4	2.4	0.2	-18.0	-17.5	-12.3	-10.9	-10.5	-9.8	-9.9	-8.5	-7.6	-9.8	-8.7	-7.1	7.8	5.1	4.1	3.5	2.9	1.7	3.8	2.0	
2.2	3.0	1.8	17.1	9.6	9.7	10.3	10.8	13.4	12.5	11.1	12.0	13.9	14.6	15.3	15.7	15.3	13.3	13.4	14.6	13.6	15.1	9.9	
1.7	2.1	3.3	6.9	13.6	14.8	8.3	8.0	8.8	10.6	8.7	11.2	12.7	11.9	14.1	14.3	11.2	9.3	6.5	4.8	2.5	2.3	1.0	
3.0	3.2	1.9	-7.5	-3.3	-2.3	-3.2	-3.5	-3.3	-3.1	-2.3	-1.7	-0.3	-2.1	1.6	9.4	5.0	-0.5	-2.4	-2.2	3.9	4.7	3.9	
2.7	3.1	2.6	-6.1	-2.3	0.3	-2.3	-2.8	-3.4	-3.8	-2.9	-4.4	-3.8	-5.3	-1.2	9.8	6.5	-0.7	-0.5	0.1	3.8	4.6	2.4	
2.8	2.9	1.1	-11.8	-9.1	-10.1	-12.4	-12.2	-11.5	-10.7	-11.0	-8.1	-5.2	-5.8	-0.2	8.9	3.6	0.2	-2.5	-2.5	4.6	5.6	6.9	
3.4	3.7	1.8	-5.2	0.7	2.1	3.8	3.3	3.8	3.8	5.4	6.1	6.6	3.5	5.5	9.3	4.8	-0.8	-3.9	-3.8	3.5	4.1	3.0	
5.4	5.6	1.3	-6.0	-3.3	-1.7	-3.2	-2.8	-0.3	0.5	0.9	0.5	-0.6	0.3	1.0	8.0	7.7	6.5	2.7	4.5	5.3	5.7	7.3	
5.5	5.7	2.7	-4.1	-3.1	-2.3	-4.4	-4.1	-1.5	-0.7	-0.2	-1.4	-2.7	-0.8	-0.2	8.5	8.6	9.0	4.4	5.9	7.1	7.7	9.6	
3.3	3.3	-2.7	-11.9	-1.1	5.2	5.4	5.5	7.2	7.6	7.2	6.7	5.6	1.6	2.8	3.4	3.6	2.0	0.1	1.2	2.0	1.6	1.0	
6.6	6.9	-1.2	-9.2	-6.2	-4.7	-5.1	-4.4	-1.6	0.1	0.5	3.7	3.9	4.0	5.2	10.0	7.6	0.03	-1.9	1.7	0.8	1.1	3.2	
2.9	3.1	-2.1	-13.0	-15.4	-11.5	-11.9	-11.6	-7.3	-8.0	-7.2	-6.2	-7.0	-6.6	-2.9	9.1	9.2	0.9	-1.0	-0.7	2.4	4.5	4.4	
0.8	1.2	-4.1	-17.3	-19.5	-13.3	-14.6	-13.7	-7.3	-7.4	-6.4	-5.8	-8.7	-8.3	-6.5	10.4	11.6	0.9	-2.4	-2.9	0.6	3.5	2.8	
1.2	2.9	0.2	-17.0	-18.5	-19.4	-17.9	-19.4	-16.5	-17.3	-14.9	-15.2	-12.7	-12.0	-2.5	13.2	9.7	0.8	-1.7	-1.4	1.5	3.3	1.2	
7.7	7.9	1.4	-0.1	0.6	7.4	4.0	6.0	7.4	2.2	1.2	1.9	3.6	3.7	4.3	5.9	4.4	1.0	2.2	4.4	7.2	9.4	9.8	
6.4	4.8	-1.1	-7.1	-13.9	-14.2	-11.7	-12.8	-10.7	-9.2	-9.3	-6.5	-6.2	-5.5	0.2	5.0	7.1	1.1	0.4	1.1	3.7	3.7	6.5	
4.1	4.4	1.8	-6.2	-3.9	-2.0	-3.2	-3.2	-1.7	-1.5	-1.3	-1.1	-1.4	-1.3	0.8	8.2	6.4	3.5	1.5	1.7	3.6	4.4	4.8	

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

Subsektor Sub-sector	2020				2021				Jan.	Feb.
	Q1	Q2	Q3	Q4	Q1	Q2	Q3			
1. Makanan, minuman dan tembakau <i>Food, beverages and tobacco</i>	1.3	-4.4	-0.5	1.3	1.5	0.2	-0.3	-2.3	-0.9	
10 Pembuatan produk makanan <i>Manufacture of food products</i>	1.7	-3.0	-0.7	0.8	1.8	0.7	-0.3	-2.0	-0.9	
11 Pembuatan minuman <i>Manufacture of beverages</i>	-3.5	-22.7	1.7	9.3	-3.0	-7.3	-1.1	-3.3	-1.5	
12 Pembuatan produk tembakau <i>Manufacture of tobacco products</i>	-8.8	-41.3	13.0	22.6	-0.1	-15.7	-1.5	-24.5	2.7	
2. Tekstil, pakaian, kulit dan kasut <i>Textiles, wearing apparel, leather and footwear</i>	-2.9	-16.4	0.01	0.9	-2.7	-4.9	-1.5	-3.2	-4.7	
13 Pembuatan tekstil <i>Manufacture of textiles</i>	-1.6	-9.0	6.4	-0.3	-1.6	-1.1	-0.5	-1.6	-3.9	
14 Pembuatan pakaian <i>Manufacture of wearing apparel</i>	-4.1	-18.4	-5.7	-0.2	-4.6	-7.5	-1.3	-4.6	-5.9	
15 Pembuatan produk kulit dan barangan berkaitan <i>Manufacture of leather and related products</i>	-1.2	-23.4	6.1	7.2	0.6	-5.4	-4.4	-1.1	-1.9	
3. Produk kayu, perabot, keluaran kertas dan percetakan <i>Wood products, furniture, paper products and printing</i>	2.4	-8.8	3.8	0.4	2.2	-3.1	-0.5	1.4	-1.7	
16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman <i>Manufacture of wood and products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	2.0	-11.2	6.7	-1.3	0.6	-3.1	5.2	1.7	0.2	
17 Pembuatan kertas dan produk kertas <i>Manufacture of paper and paper products</i>	0.2	-8.2	1.0	1.0	1.8	-0.6	-1.4	0.0	0.04	
18 Percetakan dan penerbitan semula media rakaman <i>Printing and reproduction of recorded media</i>	7.3	-8.0	-2.9	1.5	5.8	-1.9	-7.7	3.2	-6.3	
31 Pembuatan perabot <i>Manufacture of furniture</i>	0.3	-7.4	9.7	0.8	0.9	-6.3	1.4	0.8	-0.7	
4. Petroleum, kimia, getah dan plastik <i>Petroleum, chemical, rubber and plastic</i>	-1.2	-3.2	4.5	2.4	0.2	2.1	-0.3	-4.4	-1.5	
19 Pembuatan kok dan produk petroleum bertapis <i>Manufacture of coke and refined petroleum products</i>	-2.0	-23.0	9.5	14.9	-0.03	-15.4	8.2	-10.3	-5.4	
20 Pembuatan kimia dan produk kimia <i>Manufacture of chemicals and chemical products</i>	4.8	-17.8	3.6	2.4	4.9	-5.0	0.7	-1.0	-0.4	
21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani <i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	-4.2	8.7	2.5	4.8	-1.9	8.9	1.7	-11.6	-0.5	
22 Pembuatan produk getah dan plastik <i>Manufacture of rubber and plastics products</i>	-4.3	10.7	4.1	-0.1	-1.9	9.3	-2.4	-4.4	-1.3	
5. Produk mineral bukan logam, logam asas dan produk logam yang direka <i>Non-metallic mineral products, basic metal and fabricated metal products</i>	-0.1	-8.2	3.0	3.4	2.0	-3.7	-1.7	-2.6	-0.4	
23 Pembuatan produk galian bukan logam lain <i>Manufacture of other non-metallic mineral products</i>	0.2	-7.3	0.8	2.9	0.5	0.9	-3.0	-1.8	-0.7	
24 Pembuatan logam asas <i>Manufacture of basic metals</i>	-2.1	-12.7	1.4	3.9	4.6	-5.5	-2.7	-5.0	-1.5	
25 Pembuatan produk logam, kecuali mesin dan kelengkapan <i>Manufacture of fabricated metal products, except machinery and equipment</i>	1.2	-5.2	5.9	3.4	1.3	-6.0	0.1	-1.2	0.9	
6. Produk elektrik dan elektronik <i>Electrical and electronic products</i>	4.4	-10.3	1.8	5.5	4.0	-3.8	-1.3	-0.8	-0.1	
26 Pembuatan komputer, produk elektronik dan optikal <i>Manufacture of computer, electronics and optical products</i>	6.0	-11.6	0.1	5.7	5.5	-2.6	-2.5	-0.3	-0.2	
27 Pembuatan kelengkapan elektrik <i>Manufacture of electrical equipment</i>	3.3	-6.4	6.6	4.0	-0.4	-6.8	4.6	-1.0	0.4	
28 Pembuatan jentera dan peralatan t.t.t.l. <i>Manufacture of machinery and equipment n.e.c.</i>	-1.2	-7.6	4.8	6.1	1.6	-6.4	-0.7	-3.2	-0.05	
7. Kelengkapan pengangkutan dan pembuatan lain <i>Transport equipment and other manufactures</i>	-0.2	-13.3	1.8	5.5	1.5	-2.4	-4.1	-3.9	1.1	
29 Pembuatan kenderaan bermotor, treler dan semi treler <i>Manufacture of motor vehicles, trailers and semi-trailers</i>	1.2	-15.0	2.2	6.3	-0.2	-0.8	-6.4	-5.2	2.0	
30 Pembuatan kelengkapan pengangkutan lain <i>Manufacture of other transport equipment</i>	-0.2	-19.1	1.8	2.4	7.8	-3.9	-6.2	-0.3	1.5	
32 Pembuatan lain <i>Other manufacturing</i>	-1.6	-3.4	3.4	3.6	0.4	-3.6	4.2	-7.7	0.6	
33 Pembaikan dan pemasangan jentera dan kelengkapan <i>Repair and installation of machinery and equipment</i>	-2.7	-11.6	-1.0	7.7	2.0	-4.0	-3.5	0.2	-1.5	
Pembuatan	Jumlah Total	1.3	-8.0	2.5	3.4	2.0	-1.9	-1.2	-2.1	-0.7

																					(%)
2020												2021									
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
-2.7	-1.4	-0.7	-1.7	0.2	0.2	1.5	-1.6	0.01	5.6	-2.1	-0.6	1.2	0.7	-0.6	-1.8	1.7	-3.3	5.1	-0.1	0.3	
-2.3	-0.4	-0.4	-1.6	-0.1	0.2	1.2	-1.7	-0.3	5.4	-1.7	-0.6	1.5	0.7	-0.3	-1.7	1.8	-3.7	4.9	-0.1	0.1	
-8.1	-12.7	-6.8	-3.8	4.7	0.7	5.0	-0.5	5.4	7.2	-7.0	-0.9	-4.0	1.4	-6.6	-4.1	-1.0	3.3	8.9	-0.3	5.6	
-2.5	-40.7	0.6	-1.6	11.8	-2.3	10.8	5.8	0.5	26.3	-16.7	7.1	-4.4	-14.0	0.3	-4.2	-0.1	-3.4	11.1	4.4	0.4	
-0.4	-18.4	5.7	1.9	-0.9	-3.6	1.1	-0.3	-0.5	6.2	-3.3	-4.7	-0.1	-0.4	0.8	-10.2	4.1	1.5	1.2	1.6	6.9	
-0.8	-13.6	8.1	5.4	0.5	-0.3	-0.1	-0.4	-0.7	2.6	-2.1	-1.2	-0.2	-0.9	2.6	-4.0	0.7	0.6	0.9	2.5	2.6	
-0.04	-19.2	6.2	-3.0	-1.7	-6.6	1.4	-1.4	-1.1	10.2	-5.3	-7.7	0.02	0.04	0.5	-15.8	11.2	-0.4	0.2	-0.4	12.7	
-1.0	-24.6	-1.6	12.5	-1.5	-1.2	3.1	3.5	1.6	2.4	0.5	-2.9	-0.3	-0.4	-2.2	-7.3	-6.5	9.8	5.1	5.2	1.3	
-1.0	-10.9	4.1	2.7	1.1	-0.6	0.1	-0.6	-0.5	4.7	0.4	-1.7	0.1	-1.6	0.01	-3.2	-0.6	1.0	5.0	0.7	1.3	
-3.7	-13.2	4.9	4.3	2.6	-1.9	2.5	-2.1	-1.9	3.1	0.7	-2.0	-0.6	-0.7	-0.6	-3.3	4.5	1.3	6.5	0.3	0.4	
2.1	-10.0	-0.2	2.3	-1.0	-0.2	2.0	-0.02	-1.1	1.5	0.2	0.2	2.6	-0.8	-2.5	0.0	-2.5	1.1	3.8	0.9	1.1	
1.8	-8.4	2.5	-0.7	-1.4	-0.1	-5.4	-0.4	2.5	11.9	-0.3	-4.4	2.3	-1.6	1.8	-4.3	-3.9	0.4	-5.8	3.0	4.4	
-3.3	-11.7	8.7	4.6	3.4	-0.2	1.1	0.1	-1.2	2.6	0.9	-0.5	-3.1	-3.3	1.1	-4.7	-1.2	1.0	14.4	-0.7	0.1	
3.8	-8.8	3.8	4.3	-1.4	1.5	2.3	-1.1	-1.0	6.4	-4.4	-1.2	5.4	-3.1	1.7	3.2	-3.5	0.5	0.6	-1.0	-2.4	
16.2	-29.2	-2.5	6.8	1.3	-0.7	14.8	3.2	-4.4	15.3	-10.6	-2.9	16.6	-24.9	-0.8	10.5	-2.6	-0.6	14.3	-0.6	-4.8	
1.8	-19.8	-0.8	6.3	-0.8	-0.5	2.6	-3.3	1.6	9.5	-3.4	0.9	3.5	-6.9	-3.4	5.3	-1.4	-1.1	1.5	-1.4	-0.2	
-1.0	12.2	-4.4	2.0	1.5	2.3	-0.8	0.3	-1.1	15.0	-10.1	0.2	-0.4	12.6	-4.7	0.2	1.5	3.4	-1.7	1.7	-5.6	
2.3	2.9	7.9	3.1	-2.4	2.9	0.1	-0.9	-1.4	2.5	-3.1	-2.0	4.4	3.1	5.0	1.3	-4.8	1.2	-2.1	-1.2	-2.7	
-2.7	-9.6	4.8	1.1	0.7	-0.3	0.3	0.1	1.8	5.8	-1.2	-2.1	1.0	-2.7	0.6	-4.2	-1.2	-0.04	6.6	0.9	1.0	
-0.9	-9.9	4.8	1.5	-0.9	-1.4	0.4	0.1	3.9	1.1	-1.1	-2.1	3.3	0.2	1.7	-5.4	-0.7	-0.8	4.1	0.9	1.7	
-2.9	-13.2	4.5	0.5	-1.1	1.0	0.2	-0.01	-0.7	11.6	-1.9	-2.2	2.9	-5.3	-0.6	-2.9	-3.7	1.0	7.6	1.0	0.5	
-3.9	-6.5	4.9	1.3	3.5	-0.3	0.2	0.2	1.9	5.3	-0.7	-2.0	-2.0	-3.1	0.6	-4.2	0.3	-0.2	7.9	0.8	0.8	
-5.1	-8.3	1.3	1.7	-0.6	0.2	1.9	1.0	-1.2	11.6	-1.9	0.7	-4.4	-1.9	1.0	0.6	-4.1	1.9	2.7	1.4	0.3	
-4.1	-8.7	-0.7	0.6	-1.1	0.4	2.3	1.0	-1.6	12.2	-1.6	1.7	-3.6	-0.7	-0.6	1.0	-5.3	1.8	3.5	1.5	0.2	
-6.6	-10.0	11.2	3.6	0.4	0.7	-0.5	1.1	-0.1	9.3	-2.0	-3.5	-5.4	-9.6	11.4	2.0	-1.6	1.8	0.4	0.7	-0.7	
-8.0	-5.2	2.1	5.0	0.7	-1.1	2.5	1.1	-0.4	11.6	-3.0	-0.01	-6.9	-0.8	-0.1	-2.5	-1.2	2.5	1.6	1.4	1.7	
-4.6	-9.7	-3.9	4.3	-0.7	0.8	1.4	0.3	1.9	7.9	-4.7	1.5	-0.9	1.5	-3.8	-3.6	-2.6	1.1	4.6	2.4	1.8	
-5.6	-10.8	-5.5	6.8	-2.5	2.3	2.2	-1.3	2.1	11.7	-8.1	2.4	-3.8	5.2	-4.5	-3.4	-5.6	1.8	5.8	1.6	1.4	
-3.4	-18.1	0.5	0.8	1.4	-1.6	2.3	-0.6	3.1	-0.1	2.7	2.3	7.1	-4.9	-2.6	-7.4	-1.2	-1.3	5.3	1.1	1.0	
-2.9	-3.9	0.9	5.3	-0.8	0.2	0.8	-1.0	0.5	11.1	-6.2	0.7	-2.3	-2.5	-0.6	1.8	0.4	2.4	3.5	1.1	0.9	
-4.3	-3.5	-7.5	-0.5	2.6	-0.4	-0.9	6.8	1.5	1.6	0.5	-0.7	1.4	1.1	-5.7	-6.0	1.9	0.2	1.7	6.8	4.2	
-2.0	-8.5	2.1	2.1	-0.3	0.3	1.5	-0.2	-0.2	7.7	-2.4	-0.6	0.03	-1.7	0.4	-0.7	-2.2	0.5	3.4	0.6	0.2	

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2020				2021			2020	2021
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)
101	Pemprosesan dan pengawetan daging	6,625	7,249	1,415	2,020	1,933	1,882	1,849	1,861	2,039	6,654	7,164
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	6,380	6,230	1,607	1,322	1,663	1,637	1,678	1,613	1,445	5,666	5,768
	10201 Pengetinan ikan, krustasea dan moluska											
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	6,015	5,934	1,526	1,262	1,580	1,567	1,597	1,542	1,373	5,393	5,486
	Industri lain	365	295	81	60	83	71	81	71	73	272	282
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	1,667	1,799	402	410	508	479	521	459	379	1,642	1,637
	10303 Pengetinan nanas	338	347	114	78	74	82	118	86	78	315	339
	10304 Pembuatan jem, marmalad dan sajian jeli											
	Industri lain	1,329	1,452	288	332	434	398	403	373	301	1,327	1,298
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	129,464	147,991	27,246	40,100	40,568	40,076	30,600	45,231	45,276	135,602	153,314
	10404 Pembuatan minyak sayuran mentah dan bertapis											
	10406 Pembuatan sebatian lemak masakan	13,329	13,747	3,340	3,110	3,472	3,825	3,785	4,367	4,748	12,491	15,698
	10405 Pembuatan minyak kelapa	1,144	1,220	311	249	305	355	345	244	232	1,097	1,035
	Industri lain	114,991	133,024	23,595	36,740	36,792	35,896	26,470	40,620	40,295	122,014	136,581
105	Pembuatan produk tenusu	9,735	10,056	2,491	2,387	2,636	2,542	2,585	2,700	2,689	9,251	9,886
	10502 Pembuatan susu pekat, tepung dan sejat	8,939	9,330	2,315	2,226	2,450	2,338	2,371	2,499	2,498	8,592	9,146
	Industri lain	795	726	176	160	186	204	214	201	190	659	739
106	Pembuatan produk bijian, kanji dan produk berkanji	7,092	7,342	1,947	1,838	1,776	1,782	2,021	2,227	2,134	6,760	7,942
	10611 Pengilangan beras	2,700	3,207	879	870	745	714	787	1,049	1,002	2,987	3,573
	10613 Pengilangan tepung	4,057	3,811	981	887	954	989	1,150	1,104	1,056	3,474	4,076
	Industri lain	335	324	87	81	77	79	84	75	76	298	293
107	Pembuatan produk makanan lain	43,343	47,410	11,015	11,950	12,182	12,262	13,437	13,193	12,950	43,287	48,723
	10711 Pembuatan biskut dan cookies	2,101	2,140	494	486	549	612	567	524	467	1,921	1,993
	10712 Pembuatan roti, kek dan produk bakeri lain	8,838	11,633	2,360	3,256	3,228	2,788	3,204	3,193	3,123	10,724	11,445
	10713 Pembuatan produk snek	2,617	2,385	608	604	584	589	586	575	526	2,189	2,122
	10721 Pembuatan gula	4,902	4,585	1,271	1,043	1,069	1,203	1,385	1,300	1,333	4,171	5,005
	10731 Pembuatan produk koko	3,998	3,697	943	923	890	941	926	831	792	3,391	3,126
	10732 Pembuatan coklat dan produk coklat											
	10733 Pembuatan konfeksi gula	8,156	10,041	2,090	2,496	2,632	2,823	3,111	3,214	3,081	9,073	11,543
	10793 Pembuatan sos dan bahan perasa	2,305	1,901	503	418	480	500	542	529	494	1,728	1,978
	10799 Pembuatan produk makanan lain t.t.t.l.	3,521	4,009	966	1,045	967	1,031	1,140	1,129	1,236	3,658	4,373
	Industri lain	6,907	7,018	1,780	1,679	1,784	1,775	1,976	1,896	1,898	6,431	7,140
108/10800	Pembuatan makanan haiwan tersedia	13,568	11,360	3,483	2,947	2,514	2,416	2,545	3,454	3,607	10,557	11,959
110	Pembuatan minuman ringan	12,569	9,487	3,067	1,395	2,434	2,590	3,009	2,325	2,276	8,587	9,652
	11041 Pembuatan minuman ringan	6,897	5,031	1,564	890	1,252	1,325	1,580	1,363	1,600	4,558	5,708
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	1,277	1,082	275	192	318	296	336	312	338	985	1,214
	Industri lain	4,394	3,375	1,228	313	864	970	1,093	650	338	3,044	2,730
120/12000	Pembuatan produk tembakau	3,909	3,060	946	184	934	997	973	594	266	2,705	2,556
131	Pemintalan, penenunan dan penyiapan tekstil	6,233	5,369	1,585	904	1,329	1,551	1,559	1,633	1,333	4,848	5,565
	13110 Penyediaan dan pemintalan gentian tekstil											
	13120 Penenunan tekstil	4,788	3,922	1,230	645	921	1,126	1,161	1,278	921	3,534	4,088
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	1,345	1,391	337	254	392	408	386	343	391	1,263	1,420
	Industri lain	101	57	18	5	16	17	12	12	20	51	57
139	Pembuatan tekstil lain	3,830	3,498	906	673	922	997	1,034	1,046	1,210	3,154	4,150
	13910 Pembuatan fabrik dikait dan dikrusye	2,142	1,917	474	395	511	538	540	524	561	1,732	2,029
	Industri lain	1,688	1,581	432	278	411	460	495	522	649	1,422	2,121
141	Pembuatan pakaian, kecuali pakaian berbulu	9,282	8,372	2,309	1,579	2,103	2,382	2,278	1,953	2,019	7,541	7,819
	14102 Pembuatan pakaian	7,996	7,486	2,008	1,473	1,919	2,087	1,993	1,745	1,848	6,757	6,964
	Industri lain	1,286	885	300	106	184	295	286	171	171	785	855
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	465	400	91	83	112	114	112	104	78	360	366
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	1,634	1,425	404	270	360	391	409	294	269	1,292	1,281
152	Pembuatan kasut	1,022	752	234	99	189	230	247	169	139	665	682
	15201 Pembuatan kasut kulit											
	15203 Pembuatan kasut getah	661	464	140	65	119	141	151	95	77	414	402
	Industri lain	362	288	94	33	70	90	97	74	62	251	281
161/16100	Pengilangan dan pengetaman kayu	6,983	5,600	1,661	642	1,561	1,737	1,759	1,126	1,227	4,984	5,251

2020												Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
461	443	511	634	686	700	646	641	646	619	668	595	Processing and preserving of meat
559	537	511	386	445	491	548	555	561	546	527	564	Processing and preserving of fish, crustaceans and molluscs
530	509	487	368	426	468	520	528	533	520	505	541	Canning of fish, crustaceans and molluscs
29	28	24	17	19	24	28	28	28	26	22	23	Processing, curing and preserving of fish, crustacean and molluscs
146	143	113	87	132	191	174	165	169	167	156	157	Processing and preserving of fruits and vegetable
31	44	38	24	26	27	25	25	24	24	25	32	Pineapple canning
115	99	74	62	106	164	149	140	145	143	131	125	Manufacture of jams, marmalades and table jellies
9,477	9,118	8,652	12,503	13,014	14,583	12,777	12,897	14,894	14,923	12,764	12,389	Manufacture of vegetable and animal oils and fats
1,176	1,029	1,135	960	1,056	1,095	1,146	1,157	1,169	1,316	1,252	1,256	Manufacture of crude and refined vegetable oil
98	108	105	76	72	101	101	102	102	114	118	123	Manufacture of compound cooking fats
8,203	7,981	7,412	11,468	11,886	13,387	11,530	11,639	13,624	13,493	11,394	11,010	Manufacture of coconut oil
822	823	846	690	798	898	901	907	828	892	845	805	Manufacture of dairy products
756	765	793	638	747	842	842	847	762	825	776	738	Manufacture of condensed, powdered and evaporated milk
66	58	53	53	51	56	60	60	66	68	69	67	Other industry
645	638	664	660	577	601	586	590	599	620	580	582	Manufacture of grain mill products, starches and starch products
249	297	332	343	267	260	245	247	253	259	235	220	Rice milling
367	312	302	289	283	315	316	318	319	334	318	337	Flour milling
28	29	30	28	27	26	25	25	27	26	27	25	Other industry
3,679	3,845	3,490	3,719	3,863	4,368	4,073	4,159	3,949	4,066	4,073	4,123	Manufacture of other food products
155	168	171	149	156	180	181	183	185	187	206	219	Manufacture of biscuits and cookies
804	804	752	1,135	987	1,134	1,125	1,139	963	960	920	909	Manufacture of bread, cakes and other bakery products
205	211	192	195	196	213	194	195	195	198	195	197	Manufacture of snack products
391	492	388	320	320	403	354	357	357	394	395	414	Manufacture of sugar
318	323	302	319	307	297	300	303	287	332	303	306	Manufacture of cocoa products
717	719	654	648	850	999	848	909	876	898	957	968	Manufacture of chocolate and chocolate products
185	175	142	130	138	150	161	161	157	164	164	172	Manufacture of sugar confectionery
312	346	308	261	375	408	319	322	327	327	353	351	Manufacture of sauces and condiments
591	607	582	561	534	584	591	591	602	607	582	587	Manufacture of other food products n.e.c.
1,168	1,160	1,155	1,152	900	895	841	838	835	808	805	803	Manufacture of prepared animal feeds
1,081	1,023	964	362	437	596	714	853	867	858	832	900	Manufacture of beverages
538	534	491	294	276	320	376	436	439	433	419	473	Manufacture of soft drinks
104	93	78	35	75	83	98	110	110	102	97	97	Production of natural mineral waters and other bottled waters
438	395	395	34	86	193	240	307	317	324	315	331	Other industry
314	297	334	6	32	146	311	285	337	335	307	355	Manufacture of tobacco products
548	538	499	183	306	414	430	450	450	516	513	522	Spinning, weaving and finishing of textiles
427	419	384	122	223	300	301	309	310	353	385	388	Preparation and spinning of textile fibres
115	113	110	61	82	110	124	134	134	157	122	128	Weaving of textiles
6	7	5	0	1	4	5	6	5	6	5	5	Dyeing, bleaching, printing and finishing of yarns and fabrics
310	312	284	123	258	292	295	315	312	336	317	344	Manufacture of other textiles
165	162	146	63	162	170	169	173	169	186	167	185	Manufacture of knitted and crocheted fabrics
144	150	138	61	96	121	126	142	143	150	151	159	Other industry
804	773	732	372	524	683	691	676	736	796	756	830	Manufacture of wearing apparel, except fur apparel
693	674	641	352	483	637	648	621	649	701	656	730	Manufacture of clothings
111	98	91	20	40	45	43	55	86	95	100	101	Other industry
30	33	27	15	32	36	43	33	37	37	37	40	Manufacture of articles of fur, knitted and crocheted apparel
137	130	138	36	100	134	131	112	117	125	134	133	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
85	81	68	10	21	68	61	60	68	70	73	87	Manufacture of footwear
51	48	40	8	17	40	39	38	42	44	46	50	Manufacture of leather footwear
34	33	28	2	4	28	22	22	26	26	27	37	Manufacture of rubber footwear
573	548	540	37	69	536	510	508	543	557	564	616	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	Jan.	Feb.
101	Pemprosesan dan pengawetan daging	651	602
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	578	537
10201 &	Pengetinan ikan, krustasea dan moluska		
10202	Pemprosesan dan pengawetan ikan, krustasea dan moluska	550	510
	Industri lain	28	27
103	Pemprosesan dan pengawetan buah-buahan dansayur - sayuran	177	170
10303 &	Pengetinan nanas		
10304	Pembuatan jem, marmalad dan sajian jeli	34	45
	Industri lain	142	125
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	10,455	10,195
10404 &	Pembuatan minyak sayuran mentah dan bertapis		
10406	Pembuatan sebatian lemak masakan	1,244	1,224
10405	Pembuatan minyak kelapa	120	113
	Industri lain	9,091	8,858
105	Pembuatan produk tenusu	864	850
10502	Pembuatan susu pekat, tepung dan sejat	793	778
	Industri lain	70	72
106	Pembuatan produk bijian, kanji dan produk berkanji	648	662
10611	Pengilangan beras	250	265
10613	Pengilangan tepung	371	367
	Industri lain	27	30
107	Pembuatan produk makanan lain	4,327	4,560
10711	Pembuatan biskut dan cookies	189	180
10712	Pembuatan roti, kek dan produk bakeri lain	981	1,256
10713	Pembuatan produk snek	195	189
10721	Pembuatan gula	423	481
10731	Pembuatan produk koko	317	327
10732	Pembuatan coklat dan produk coklat		
&		1,026	948
10733	Pembuatan konfeksi gula		
10793	Pembuatan sos dan bahan perasa	188	180
10799	Pembuatan produk makanan lain t.t.t.l.	363	374
	Industri lain	646	625
108/ 10800	Pembuatan makanan haiwan tersedia	774	784
110	Pembuatan minuman ringan	979	981
11041	Pembuatan minuman ringan	519	520
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	100	113
	Industri lain	360	347
120/ 12000	Pembuatan produk tembakau	320	301
131	Pemintalan, penenunan dan penyiapan tekstil	515	509
13110 &	Penyediaan dan pemintalan gentian tekstil		
13120	Penenunan tekstil	382	382
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	127	124
	Industri lain	5	4
139	Pembuatan tekstil lain	344	326
13910	Pembuatan fabrik dikait dan dikrusye	177	170
	Industri lain	166	157
141	Pembuatan pakaian, kecuali pakaian berbulu	787	763
14102	Pembuatan pakaian	687	666
	Industri lain	100	97
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	38	38
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	138	132
152	Pembuatan kasut	87	80
15201 &	Pembuatan kasut kulit		
15203	Pembuatan kasut getah	52	47
	Industri lain	35	33
161/ 16100	Pengilangan dan pengetaman kayu	585	545

2021									Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
597	591	629	640	625	713	701	681	734	Processing and preserving of meat
564	553	514	546	479	488	479	512	519	Processing and preserving of fish, crustaceans and molluscs
									Canning of fish, crustaceans and molluscs
537	530	490	522	455	464	454	483	492	Processing, curing and preserving of fish, crustacean and molluscs
27	24	24	24	24	24	25	29	28	Other industry
174	171	146	141	129	124	126	134	143	Processing and preserving of fruits and vegetable
									Pineapple canning
38	37	26	23	24	28	27	27	30	Manufacture of jams, marmalades and table jellies
136	134	120	119	105	97	99	108	113	Other industry
9,949	14,407	14,498	16,326	14,220	14,187	16,869	16,306	15,901	Manufacture of vegetable and animal oils and fats
									Manufacture of crude and refined vegetable oil
1,317	1,452	1,457	1,458	1,483	1,477	1,788	1,418	1,379	Manufacture of compound cooking fats
111	87	96	61	74	80	78	104	110	Manufacture of coconut oil
8,521	12,868	12,945	14,807	12,662	12,630	15,003	14,783	14,412	Other industry
871	901	876	923	836	929	924	948	964	Manufacture of dairy products
799	832	810	857	775	867	857	880	898	Manufacture of condensed, powdered and evaporated milk
72	69	66	66	61	62	67	67	66	Other industry
711	760	707	760	685	689	760	801	758	Manufacture of grain mill products, starches and starch products
272	351	339	358	313	316	374	395	341	Rice milling
412	383	344	377	350	347	359	379	387	Flour milling
27	26	23	25	23	25	28	28	30	Other industry
4,551	4,515	4,179	4,498	4,265	4,256	4,430	4,636	4,507	Manufacture of other food products
198	234	147	144	151	153	163	200	235	Manufacture of biscuits and cookies
968	1,001	1,042	1,150	1,050	1,079	994	990	934	Manufacture of bread, cakes and other bakery products
201	211	183	181	155	168	202	217	218	Manufacture of snack products
481	466	383	452	433	404	496	498	488	Manufacture of sugar
282	289	275	266	260	266	266	287	291	Manufacture of cocoa products
									Manufacture of chocolate and chocolate products
1,137	1,132	1,021	1,061	1,038	1,009	1,034	1,114	1,023	Manufacture of sugar confectionery
175	179	177	172	155	161	178	202	210	Manufacture of sauces and condiments
403	377	369	383	396	412	429	443	425	Manufacture of other food products n.e.c.
706	627	583	687	626	604	668	686	683	Other industry
987	1,134	1,155	1,164	1,217	1,198	1,193	1,165	1,188	Manufacture of prepared animal feeds
1,049	1,004	821	499	578	790	908	1,067	975	Manufacture of beverages
541	544	413	406	470	637	494	611	554	Manufacture of soft drinks
123	124	96	92	105	121	112	114	114	Production of natural mineral waters and other bottled waters
386	336	312	2	3	33	303	342	307	Other industry
352	284	237	72	77	54	135	393	330	Manufacture of tobacco products
536	536	523	575	463	434	435	488	552	Spinning, weaving and finishing of textiles
									Preparation and spinning of textile fibres
397	416	421	441	323	314	284	319	409	Weaving of textiles
									Dyeing, bleaching, printing and finishing of yarns and fabrics
135	116	98	130	136	111	144	163	137	
4	4	4	4	4	9	7	6	6	Other industry
364	347	339	360	395	404	410	431	429	Manufacture of other textiles
193	168	171	184	186	179	195	210	195	Manufacture of knitted and crocheted fabrics
172	179	168	175	209	225	215	221	234	Other industry
729	689	644	620	655	678	686	783	786	Manufacture of wearing apparel, except fur apparel
640	609	564	572	613	622	612	692	686	Manufacture of clothings
89	79	80	48	42	55	74	90	100	Other industry
37	42	42	20	25	24	29	35	37	Manufacture of articles of fur, knitted and crocheted apparel
									Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
139	119	113	63	60	89	119	149	160	
81	65	57	47	43	48	48	63	64	Manufacture of footwear
									Manufacture of leather footwear
52	39	31	26	23	26	28	39	40	Manufacture of rubber footwear
29	27	26	22	20	21	20	24	24	Other industry
628	503	373	250	281	485	460	551	589	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2020				2021			2020	2021
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	22,347	16,681	5,740	1,659	4,447	4,836	5,123	3,038	3,482	15,012	15,206
16211	Pembuatan kepingan venier dan papan lapis	13,000	8,403	3,302	684	2,124	2,293	2,483	1,420	1,664	7,592	7,317
16212	Pembuatan papan partikel dan papan gentian	5,154	4,543	1,362	418	1,355	1,409	1,457	948	1,155	4,062	4,638
16221	Perfukangan kayu untuk jurubina	2,157	1,764	545	160	474	585	619	322	344	1,566	1,683
	Industri lain	2,036	1,971	532	396	494	549	564	348	319	1,792	1,567
170	Pembuatan kertas dan produk kertas	22,745	22,276	5,582	4,934	5,887	5,874	6,180	6,384	6,476	20,385	23,609
17010	Pembuatan pulpa, kertas dan kertas tebal	3,952	3,812	1,026	583	1,059	1,144	1,205	1,272	1,317	3,428	4,747
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	8,544	9,374	2,123	2,090	2,575	2,586	2,569	2,553	2,597	8,587	9,619
17091	Pembuatan sampul surat dan kad surat	574	389	113	108	84	84	83	80	80	360	299
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	5,176	4,629	1,250	1,139	1,155	1,085	1,216	1,286	1,292	4,248	4,686
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	2,959	2,392	662	622	578	531	636	734	747	2,219	2,573
	Industri lain	1,539	1,680	408	392	436	444	470	458	443	1,544	1,685
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	12,575	11,533	3,170	1,879	3,184	3,300	3,291	2,682	2,708	10,424	10,874
18110	Percetakan	10,119	9,369	2,579	1,539	2,588	2,662	2,518	2,110	2,306	8,481	8,742
18120	Aktiviti perkhidmatan berkaitan percetakan											
& 18200	Penerbitan semula media rakaman	2,456	2,164	591	340	596	637	773	572	402	1,943	2,132
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	149,476	128,477	40,657	27,680	28,840	31,300	33,513	44,230	48,092	117,092	159,106
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	77,929	66,825	19,169	15,059	15,703	16,894	19,511	16,592	18,583	60,546	66,771
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	4,512	2,252	1,148	401	261	442	771	752	554	1,967	2,277
20112	Pembuatan kimia organik asas											
& 20113	Pembuatan sebatian bukan organik	40,953	34,937	9,815	7,877	8,186	9,059	10,384	8,318	10,055	31,510	34,895
20121	Pembuatan baja											
& 20129	Pembuatan produk campuran nitrogen	5,737	4,428	1,397	1,003	1,038	989	1,212	1,196	1,040	4,058	4,416
20131	Pembuatan plastik dalam bentuk primer	23,945	22,507	6,086	5,133	5,566	5,721	6,313	5,495	5,906	20,542	21,916
	Industri lain	2,783	2,701	723	645	651	682	831	831	1,028	2,468	3,267
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	25,152	23,776	6,222	4,712	6,369	6,473	6,878	6,572	7,003	21,614	25,797
20210	Pembuatan racun perosak dan produk agrokimia lain	2,017	1,883	419	375	518	572	650	608	636	1,674	2,387
20221	Pembuatan cat, varnis dan penyadur dan mastik	6,349	5,310	1,744	794	1,340	1,432	1,651	1,742	1,757	4,827	6,786
20222	Pembuatan dakwat cetak	1,527	998	368	200	202	228	246	253	237	921	900
20231	Pembuatan sabun dan bahan pencuci, penyediaan											
& 20232	membersih dan mengilat	8,398	9,385	2,114	1,988	2,691	2,591	2,665	2,327	2,757	8,530	9,626
20291	Pembuatan pewangi dan penyediaan dandanan diri											
& 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials											
20292	Pembuatan dakwat menulis dan melukis	6,255	5,698	1,434	1,270	1,479	1,516	1,517	1,486	1,438	5,206	5,522
& 20299	Pembuatan produk kimia lain t.t.t.l.											
	Industri lain	605	500	142	85	139	134	150	156	178	457	575
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	6,748	7,843	1,768	2,006	2,111	1,959	2,117	2,260	2,405	7,218	8,407
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	5,500	6,288	1,460	1,612	1,627	1,588	1,750	1,931	2,006	5,778	7,015
	Industri lain	1,249	1,556	308	394	483	371	367	329	399	1,440	1,392
221	Pembuatan produk getah	40,865	63,435	11,907	15,457	16,997	19,074	22,899	27,051	19,939	57,109	81,160
22111	Pembuatan tayar getah untuk kenderaan	4,024	4,146	796	982	1,205	1,163	1,065	920	2,013	3,764	5,077
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	515	726	116	216	226	168	178	159	146	669	613
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	8,584	8,752	1,870	2,188	2,359	2,335	2,292	2,136	1,684	7,960	7,320
& 22193	Pengilangan semula getah dan prosesan susu getah											
22192	Pembuatan sarung tangan getah	23,346	44,219	7,999	10,845	11,616	13,759	17,568	22,044	14,479	39,672	61,778
22199	Pembuatan produk getah lain yang t.t.t.l.	4,396	5,592	1,126	1,225	1,591	1,649	1,796	1,792	1,617	5,042	6,372
222	Pembuatan produk plastik	47,351	48,459	11,572	11,442	12,580	12,866	13,733	15,041	14,847	44,121	53,572
22201	Pembuatan produk plastik separa siap											
& 22202	Pembuatan produk plastik siap	13,003	14,628	3,318	3,705	3,805	3,800	4,205	4,728	4,508	13,345	16,283
22203	Pembuatan artikel plastik untuk pembungkusan	12,800	12,943	3,026	3,003	3,415	3,498	3,780	4,004	4,333	11,775	15,098
22204	Pembuatan barangan plastik jurubina	1,118	1,132	284	244	302	301	353	447	510	1,030	1,643
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	2,576	3,053	673	658	873	849	937	1,119	1,196	2,779	4,160
22209	Pembuatan pelbagai produk plastik t.t.t.l.	17,854	16,704	4,271	3,831	4,184	4,418	4,458	4,744	4,300	15,193	16,388
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	8,107	5,871	2,264	708	1,282	1,618	1,728	1,317	871	5,271	4,712

2020												Group Description/Period
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
2,001	1,898	1,841	109	168	1,382	1,447	1,411	1,589	1,548	1,619	1,669	Manufacture of products of wood, cork, straw and plaiting materials
1,180	1,043	1,079	2	2	680	693	668	763	704	778	811	Manufacture of veneer sheets and plywood
441	484	437	3	3	412	439	428	487	470	459	481	Manufacture of particle board and fibreboard
196	186	163	12	23	125	152	152	170	193	194	198	Manufacture of builders' carpentry
184	185	163	92	139	165	163	162	169	181	189	179	Other industry
1,796	1,873	1,913	1,369	1,621	1,943	1,953	1,961	1,973	2,011	1,971	1,891	Manufacture of paper and paper products
329	356	342	95	164	325	354	354	351	388	371	384	Manufacture of pulp, paper and paperboard
718	703	702	571	717	801	853	857	865	912	888	787	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
39	34	40	30	38	40	27	27	29	29	27	29	Manufacture of envelopes and letter-card
360	416	473	362	358	420	383	385	387	352	351	381	Manufacture of household and personal hygiene paper
206	231	225	204	203	215	192	193	192	178	179	173	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
145	133	131	108	142	143	144	144	147	153	154	137	Other industry
1,117	1,064	988	393	626	860	1,023	1,079	1,081	1,089	1,102	1,109	Printing, service activities related to printing and reproduction of recorded media
906	853	820	323	499	717	838	874	875	880	895	888	Printing
211	212	168	70	127	143	185	205	206	209	207	221	Service activities related to printing
												Reproduction of recorded media
14,973	12,717	12,967	9,921	8,748	9,012	9,368	10,005	9,466	9,505	10,409	11,386	Manufacture of refined petroleum products
6,487	6,129	6,554	4,811	4,871	5,377	5,236	5,243	5,223	5,114	5,501	6,279	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
387	344	417	88	138	175	87	85	89	71	87	284	Manufacture of liquefied or compressed inorganic industrial or medical gases
3,437	3,207	3,170	2,552	2,529	2,796	2,703	2,777	2,706	2,691	2,941	3,427	Manufacture of basic organic chemicals
469	476	452	321	308	374	349	347	343	302	318	369	Manufacture of inorganic compounds
1,976	1,873	2,238	1,629	1,691	1,812	1,880	1,817	1,869	1,830	1,926	1,965	Manufacture of associated nitrogen products
217	228	278	221	205	219	216	217	217	220	230	233	Manufacture of plastics in primary forms
												Other industry
2,129	2,114	1,978	1,173	1,614	1,924	2,101	2,168	2,100	2,120	2,191	2,161	Manufacture of other chemical products and man-made fibres
173	128	118	109	126	140	160	206	151	150	213	209	Manufacture of pesticides and other agrochemical products
593	599	552	147	259	387	445	443	453	465	484	483	Manufacture of paints, varnishes and similar coatings ink and mastics
136	119	112	57	71	73	68	67	67	71	79	78	Manufacture of printing ink
690	735	689	462	712	814	889	911	891	882	854	855	Manufacture of soap and detergents, cleaning and polishing preparations
												Manufacture of perfumes and toilet preparations
												Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
484	483	468	378	420	472	490	493	495	504	519	493	Manufacture of writing and drawing ink
53	50	40	21	26	38	49	48	42	48	42	44	Manufacture of other chemical products n.e.c.
												Other industry
566	581	621	622	645	740	694	712	705	673	660	626	Manufacture of pharmaceuticals, medicinal chemical and botanical products
465	488	507	518	524	570	530	556	542	540	538	510	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
101	93	113	103	120	171	164	156	163	133	122	116	Other industry
3,561	3,436	4,910	5,105	5,067	5,285	5,506	5,563	5,927	6,502	6,246	6,326	Manufacture of rubber products
306	316	174	181	351	450	396	401	407	396	386	382	Manufacture of rubber tyres for vehicles
38	45	33	28	80	109	106	58	62	54	58	56	Manufacture of interchangeable tyre treads and retreading rubber tyres
702	638	530	597	692	900	886	740	733	782	761	792	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
2,134	2,053	3,811	3,949	3,558	3,339	3,598	3,839	4,179	4,731	4,482	4,546	Manufacture of rubber gloves
381	384	362	351	387	488	521	525	545	540	560	550	Manufacture of other rubber products n.e.c.
4,032	3,875	3,665	3,448	3,744	4,250	4,225	4,204	4,150	4,251	4,277	4,338	Manufacture of plastics products
1,126	1,107	1,085	1,127	1,255	1,323	1,258	1,270	1,277	1,278	1,239	1,283	Manufacture of semi-manufactures of plastic products
1,115	978	933	870	953	1,180	1,131	1,144	1,140	1,166	1,164	1,168	Manufacture of finished plastic products
101	93	90	79	73	92	98	99	105	100	99	102	Manufacture of plastic articles for the packing of goods
219	240	214	173	179	306	355	280	238	284	291	274	Manufacture of builders' plastics ware
1,470	1,458	1,343	1,199	1,283	1,349	1,383	1,411	1,390	1,423	1,483	1,511	Manufacture of plastic tableware, kitchenware and toilet articles
												Manufacture of diverse plastic products n.e.c.
736	705	823	185	243	280	418	434	430	486	532	599	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh		
		Jan.	Feb.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1,707	1,632
16211	Pembuatan kepingan venier dan papan lapis	816	784
16212	Pembuatan papan partikel dan papan gentian	496	459
16221	Pertukangan kayu untuk jurubina	203	205
	Industri lain	192	183
170	Pembuatan kertas dan produk kertas	1,947	1,965
17010	Pembuatan pulpa, kertas dan kertas tebal	384	384
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	809	806
17091	Pembuatan sampul surat dan kad surat	27	26
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	377	394
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	189	201
	Industri lain	161	155
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	1,136	1,091
18110	Percetakan	866	828
18120	Aktiviti perkhidmatan berkaitan percetakan		
&		270	263
18200	Penerbitan semula media rakaman		
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	11,805	10,576
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	6,465	6,387
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	295	285
20112	Pembuatan kimia organik asas		
&		3,438	3,407
20113	Pembuatan sebatian bukan organik		
20121	Pembuatan baja		
&		376	406
20129	Pembuatan produk campuran nitrogen		
20131	Pembuatan plastik dalam bentuk primer	2,086	2,013
	Industri lain	269	275
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	2,238	2,183
20210	Pembuatan racun perosak dan produk agrokimia lain	216	208
20221	Pembuatan cat, varnis dan penyadur dan mastik	505	498
20222	Pembuatan dakwat cetak	82	80
20231	Pembuatan sabun dan bahan pencuci, penyediaan		
&	membersih dan mengilat	885	846
20232	Pembuatan pewangi dan penyediaan dandanan diri		
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials		
&		503	503
20292	Pembuatan dakwat menulis dan melukis		
&			
20299	Pembuatan produk kimia lain t.t.t.l.		
	Industri lain	47	49
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	660	700
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	552	577
	Industri lain	108	123
221	Pembuatan produk getah	6,965	6,437
22111	Pembuatan tayar getah untuk kenderaan	332	354
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	61	55
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	740	726
&			
22193	Pengilangan semula getah dan prosesan susu getah		
22192	Pembuatan sarung tangan getah	5,243	4,724
22199	Pembuatan produk getah lain yang t.t.t.l.	591	578
222	Pembuatan produk plastik	4,484	4,365
22201	Pembuatan produk plastik separa siap		
&		1,383	1,338
22202	Pembuatan produk plastik siap		
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,273	1,199
22204	Pembuatan barangan plastik jurubina	111	101
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	316	273
22209	Pembuatan pelbagai produk plastik t.t.t.l.	1,400	1,454
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	598	561

2021									Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
1,784	1,380	892	766	731	1,259	1,493	1,685	1,878	Manufacture of products of wood, cork, straw and plaiting materials
884	643	401	376	326	603	735	818	932	Manufacture of veneer sheets and plywood
501	420	282	246	262	396	498	516	562	Manufacture of particle board and fibreboard
211	161	101	60	72	139	133	195	202	Manufacture of builders' carpentry
188	156	109	83	71	120	127	155	181	Other industry
2,268	2,221	2,079	2,084	2,049	2,195	2,232	2,284	2,285	Manufacture of paper and paper products
438	430	426	416	414	453	450	502	452	Manufacture of pulp, paper and paperboard
954	951	858	744	820	882	895	947	953	Manufacture of corrugated paper and paperboard and containers of paper and paperboard
30	27	28	26	25	27	28	28	27	Manufacture of envelopes and letter-card
446	443	404	440	402	429	461	424	468	Manufacture of household and personal hygiene paper
247	215	208	311	242	260	245	227	228	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
154	156	155	147	146	144	153	156	157	Other industry
1,064	1,062	934	687	801	935	971	983	1,210	Printing, service activities related to printing and reproduction of recorded media
824	827	716	567	675	802	828	824	984	Printing
240	234	218	120	126	133	143	159	226	Service activities related to printing
									Reproduction of recorded media
11,133	14,568	14,947	14,715	16,463	16,084	15,545	15,666	17,604	Manufacture of refined petroleum products
6,658	5,142	5,267	6,183	6,293	6,488	5,802	5,903	6,182	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
190	234	239	279	276	184	94	96	104	Manufacture of liquefied or compressed inorganic industrial or medical gases
3,538	2,460	2,693	3,166	3,362	3,617	3,076	2,971	3,167	Manufacture of basic organic chemicals
									Manufacture of inorganic compounds
429	427	389	379	337	349	354	492	477	Manufacture of fertilizers
2,214	1,733	1,679	2,084	2,007	1,966	1,932	2,073	2,128	Manufacture of associated nitrogen products
287	288	267	275	311	371	346	271	305	Manufacture of plastics in primary forms
									Other industry
2,458	2,274	2,138	2,159	2,015	2,329	2,659	2,657	2,686	Manufacture of other chemical products and man-made fibres
226	218	185	205	203	213	220	242	251	Manufacture of pesticides and other agrochemical products
648	645	596	501	381	593	783	827	809	Manufacture of paints, varnishes and similar coatings ink and mastics
84	90	79	85	83	82	73	78	86	Manufacture of printing ink
934	767	731	829	798	910	1,050	933	944	Manufacture of soap and detergents, cleaning and polishing preparations
									Manufacture of perfumes and toilet preparations
									Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
512	505	495	486	485	479	474	529	551	Manufacture of writing and drawing ink
									Manufacture of other chemical products n.e.c.
53	50	51	54	66	53	58	48	44	Other industry
756	722	695	843	766	799	839	818	807	Manufacture of pharmaceuticals, medicinal chemical and botanical products
621	611	598	723	650	659	697	669	659	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
135	112	97	120	116	141	143	149	147	Other industry
9,496	9,513	8,764	8,774	8,217	5,877	5,845	5,766	5,505	Manufacture of rubber products
380	370	301	249	1,157	443	414	645	433	Manufacture of rubber tyres for vehicles
61	62	58	39	40	52	54	63	68	Manufacture of interchangeable tyre treads and retreading rubber tyres
826	729	674	733	580	539	565	614	594	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
7,602	7,726	7,165	7,154	5,905	4,307	4,267	3,849	3,837	Rubber remilling and latex processing
627	627	566	600	535	537	546	594	573	Manufacture of rubber gloves
									Manufacture of other rubber products n.e.c.
4,884	5,171	4,903	4,967	4,841	5,070	4,937	4,954	4,997	Manufacture of plastics products
									Manufacture of semi-manufactures of plastic products
1,483	1,589	1,535	1,603	1,545	1,483	1,480	1,433	1,410	Manufacture of finished plastic products
1,308	1,378	1,308	1,317	1,432	1,518	1,383	1,462	1,519	Manufacture of plastic articles for the packing of goods
141	148	141	158	155	168	187	166	167	Manufacture of builders' plastics ware
348	380	350	388	308	430	458	478	429	Manufacture of plastic tableware, kitchenware and toilet articles
1,604	1,675	1,567	1,501	1,400	1,471	1,429	1,416	1,471	Manufacture of diverse plastic products n.e.c.
569	503	471	343	279	258	334	354	441	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2020				2021			2020	2021
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	41,201	34,318	9,857	5,170	9,276	10,015	10,610	8,486	7,894	30,809	33,826
23911 &	Pembuatan mortar refraktori dan konkrit	2,619	2,005	599	297	506	604	727	504	304	1,775	1,922
23921	Pembuatan seramik bukan refraktori											
23930	Pembuatan produk porselin dan seramik lain	979	745	197	146	188	214	251	243	235	666	913
23941	Pembuatan simen hidrolik	9,664	8,467	2,257	1,177	2,451	2,582	2,612	2,119	1,661	7,584	8,035
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	8,943	5,897	2,054	761	1,461	1,621	1,703	1,399	1,482	5,307	5,913
23952 &	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;											
23953 &	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	14,122	13,264	3,672	2,132	3,590	3,870	3,969	3,129	3,101	11,928	12,638
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.											
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	3,572	2,851	781	467	768	836	997	831	864	2,563	3,316
		1,302	1,090	297	192	312	288	352	261	247	986	1,089
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	27,674	24,299	7,087	3,440	6,704	7,067	6,787	5,380	6,219	21,950	23,803
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	23,915	21,093	5,887	3,257	5,674	6,275	6,286	4,789	4,903	18,993	20,313
243	Pengacuan logam	569	504	154	87	140	123	122	126	113	464	460
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	27,107	22,226	6,580	4,018	5,404	6,223	6,537	5,689	5,363	19,950	22,073
25113 &	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	19,546	15,705	4,723	2,753	3,821	4,408	4,691	3,874	3,842	14,064	15,479
25119	Pembuatan produk struktur logam lain											
25120	Pembuatan tangki, takungan dan kontena daripada logam	6,374	5,612	1,586	1,097	1,353	1,576	1,639	1,640	1,372	5,061	5,942
	Industri lain	1,187	908	271	168	230	239	207	176	149	826	652
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	36,092	31,160	8,924	6,107	7,793	8,336	8,935	7,898	6,591	28,185	29,306
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	4,899	3,574	1,257	651	759	907	1,073	1,026	914	3,198	3,777
25920	Rawatan dan penyalutan logam; menggunakan mesin	2,465	2,153	604	424	555	571	799	672	592	1,949	2,629
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	8,061	6,731	1,912	1,550	1,612	1,657	1,592	1,418	1,375	6,160	5,434
25992 &	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam											
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	13,477	11,769	3,332	2,011	3,106	3,320	3,595	2,788	2,130	10,599	10,673
25994	Pembuatan barangan rumah daripada logam	223	159	54	27	39	39	61	68	56	145	222
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	6,326	6,191	1,621	1,306	1,574	1,689	1,644	1,736	1,348	5,602	5,902
	Industri lain	641	583	144	138	148	152	170	189	176	532	670
261	Pembuatan komponen dan papan elektronik	220,271	225,020	56,043	46,764	61,190	61,023	63,776	58,728	70,923	203,947	242,281
26101 &	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	128,442	132,175	33,051	27,735	35,168	36,221	36,520	33,940	39,498	119,590	138,912
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro											
26103 &	Pembuatan kapasitor dan perintang elektrik											
26104 &	Pembuatan papan litar bercetak	86,541	85,847	21,686	17,525	23,940	22,697	25,358	22,818	29,243	78,058	95,689
26105	Pembuatan komponen paparan											
26109	Pembuatan komponen lain untuk aplikasi elektronik	5,289	6,998	1,307	1,504	2,082	2,105	1,897	1,970	2,182	6,299	7,679
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	46,893	44,740	10,932	8,931	12,831	12,047	11,801	13,262	9,323	40,794	42,588
263/ 26300	Pembuatan peralatan komunikasi	17,472	17,120	4,117	3,838	4,849	4,315	4,163	3,337	3,173	15,585	13,204
264/ 26400	Pembuatan peralatan elektronik pengguna	39,781	35,626	8,737	5,654	11,212	10,022	9,612	8,658	8,877	32,335	34,976
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	11,868	13,027	2,859	2,854	3,800	3,515	3,279	2,849	3,554	11,685	12,352
26511 &	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	10,459	11,654	2,540	2,591	3,413	3,110	2,866	2,458	3,130	10,455	10,707
26512	Pembuatan kelengkapan kawalan proses perindustrian											
26520	Pembuatan jam tangan dan jam dan bahagiannya	1,409	1,373	319	262	387	405	412	391	424	1,230	1,645
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	6,354	6,278	1,536	1,362	1,720	1,659	1,964	2,159	2,209	5,686	7,480

2020												Group Description/Period
Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
3,493	3,325	3,040	755	1,708	2,708	3,069	3,087	3,120	3,156	3,349	3,510	Manufacture of non-metallic mineral products n.e.c. <i>Manufacture of refractory mortars and concretes</i>
216	209	174	72	104	121	164	168	174	176	198	230	<i>Manufacture of non-refractory ceramic</i>
76	75	46	40	49	56	56	66	66	67	68	79	<i>Manufacture of other porcelain and ceramic products</i>
771	721	765	102	362	713	813	815	823	830	869	883	<i>Manufacture of hydraulic cement</i>
678	690	687	70	236	454	491	491	479	478	552	590	<i>Manufacture of ready-mix and dry-mix concrete and mortars</i>
1,390	1,247	1,034	332	746	1,054	1,186	1,185	1,219	1,224	1,310	1,336	<i>Manufacture of precast concrete, cement or artificial stone articles for use in construction</i>
250	275	257	96	156	215	249	250	268	286	262	288	<i>Manufacture of other non-metallic mineral products n.e.c.</i>
112	108	77	42	55	95	110	112	91	94	90	104	<i>Other industry</i>
2,382	2,328	2,377	569	813	2,058	2,108	2,169	2,427	2,419	2,299	2,349	Manufacture of basic iron and steel
2,143	2,023	1,721	616	863	1,778	1,765	1,872	2,037	2,072	2,103	2,100	Manufacture of basic precious and other non-ferrous metals
49	55	50	16	35	36	48	44	48	44	40	40	Casting of metals
2,404	2,085	2,091	827	1,602	1,590	1,797	1,827	1,780	1,925	2,022	2,276	Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition
1,746	1,470	1,507	574	1,105	1,073	1,270	1,292	1,259	1,359	1,407	1,642	<i>Manufacture of metal doors, windows and their frames, shutters and gates</i> <i>Manufacture of other structural metal products</i>
565	526	494	223	429	445	452	457	444	489	535	552	<i>Manufacture of tanks, reservoirs and containers of metal</i>
93	88	90	30	67	72	75	78	77	77	80	82	<i>Other industry</i>
3,110	2,997	2,817	1,545	2,149	2,413	2,528	2,627	2,637	2,665	2,696	2,975	Manufacture of other fabricated metal products; metal working service activities
459	421	377	196	212	243	231	266	262	264	267	376	<i>Forging, pressing, stamping and roll-forming of metal; powder metallurgy</i>
216	211	176	93	168	163	184	184	187	182	185	204	<i>Treatment and coating of metals; machining</i>
661	646	605	531	472	548	529	537	546	541	545	571	<i>Manufacture of tins and cans for food products, collapsible tubes and boxes</i> <i>Manufacture of metal cable, plaited bands and similar articles</i>
1,141	1,125	1,067	376	758	877	1,014	1,048	1,044	1,074	1,076	1,170	<i>Manufacture of bolts, screws, nuts and similar threaded products</i>
19	20	15	8	9	10	12	13	14	13	12	14	<i>Manufacture of metal household articles</i>
561	526	534	308	479	519	509	530	535	540	560	589	<i>Manufacture of any other fabricated metal products n.e.c.</i>
53	49	43	33	51	53	49	50	50	52	50	51	<i>Other industry</i>
19,745	18,443	17,854	11,350	15,111	20,303	20,873	19,818	20,499	20,103	19,846	21,073	Manufacture of electronic components and boards <i>Manufacture of diodes, transistors and similar semiconductor devices</i> <i>Manufacture of electronic integrated circuits micro assemblies</i>
11,859	10,708	10,484	7,020	9,022	11,693	11,993	11,226	11,950	11,805	11,831	12,585	<i>Manufacture of electrical capacitors and resistors</i>
7,413	7,315	6,957	4,007	5,569	7,949	8,212	7,881	7,847	7,595	7,312	7,789	<i>Manufacture of printed circuit boards</i>
473	420	413	323	519	661	668	711	703	703	704	699	<i>Manufacture of display components</i> <i>Manufacture of other components for electronic applications</i>
3,477	3,906	3,549	2,517	2,410	4,004	4,461	3,964	4,406	4,337	3,763	3,947	Manufacture of computers and peripheral equipment
1,435	1,272	1,410	968	1,214	1,656	1,716	1,519	1,614	1,414	1,367	1,534	Manufacture of communication equipment
2,984	2,840	2,913	1,127	1,344	3,183	3,600	3,651	3,961	3,644	3,087	3,291	Manufacture of consumer electronics
1,123	824	913	619	951	1,283	1,320	1,333	1,147	1,128	1,044	1,343	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
1,004	723	813	552	872	1,167	1,197	1,210	1,006	987	923	1,199	<i>Manufacture of measuring, testing, navigating and control equipment</i> <i>Manufacture of industrial process control equipment</i>
119	100	100	68	79	116	123	123	141	140	121	143	<i>Manufacture of watches and clocks and parts</i>
508	489	539	369	445	548	568	572	580	556	511	592	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	Jan.	Feb.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3,624	3,408
23911 &	Pembuatan mortar refraktori dan konkrit	250	232
23921	Pembuatan seramik bukan refraktori	84	84
23930	Pembuatan produk porselin dan seramik lain	873	852
23941	Pembuatan simen hidrolik	581	544
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering		
23952 &	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;		
23953 &	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	1,380	1,269
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.		
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	341 114	313 113
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,458	2,137
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	2,063	2,111
243	Pengacuan logam	42	39
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	2,340	2,062
25113 &	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	1,698	1,470
25119	Pembuatan produk struktur logam lain		
25120	Pembuatan tangki, takungan dan kontena daripada logam	563	536
	Industri lain	78	56
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3,074	2,912
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	371	333
25920	Rawatan dan penyalutan logam; menggunakan mesin	252	265
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	565	516
25992 &	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam		
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	1,244	1,190
25994	Pembuatan barangan rumah daripada logam	16	17
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	565	546
	Industri lain	60	45
261	Pembuatan komponen dan papan elektronik	20,978	21,105
26101 &	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	12,457	11,786
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro		
26103 &	Pembuatan kapasitor dan perintang elektrik		
26104 &	Pembuatan papan litar bercetak	7,906	8,710
26105	Pembuatan komponen paparan		
26109	Pembuatan komponen lain untuk aplikasi elektronik	615	609
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	3,642	3,956
263/ 26300	Pembuatan peralatan komunikasi	1,466	1,311
264/ 26400	Pembuatan peralatan elektronik pengguna	3,211	3,196
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1,297	930
26511 &	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	1,157	797
26512	Pembuatan kelengkapan kawalan proses perindustrian		
26520	Pembuatan jam tangan dan jam dan bahagiannya	140	133
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	712	598

2021									Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
3,579	3,206	2,946	2,335	2,383	2,688	2,823	3,204	3,632	Manufacture of non-metallic mineral products n.e.c.
									Manufacture of refractory mortars and concretes
245	191	186	127	71	105	128	180	208	Manufacture of non-refractory ceramic
82	86	85	71	67	80	88	91	93	Manufacture of other porcelain and ceramic products
886	837	754	528	531	561	570	756	887	Manufacture of hydraulic cement
578	510	485	404	406	490	586	621	707	Manufacture of ready-mix and dry-mix concrete and mortars
									Manufacture of precast concrete, cement or artificial stone articles for use in construction
1,319	1,174	1,065	890	967	1,074	1,059	1,135	1,304	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
343	295	287	250	279	291	294	312	312	Manufacture of other articles of concrete, cement and plaster n.e.c.
124	112	82	66	63	87	98	109	121	Manufacture of other non-metallic mineral products n.e.c.
									Other industry
2,192	2,197	1,795	1,389	1,330	2,113	2,776	2,731	2,685	Manufacture of basic iron and steel
2,112	1,968	1,574	1,246	1,130	1,718	2,055	2,141	2,195	Manufacture of basic precious and other non-ferrous metals
42	51	47	28	28	40	45	48	50	Casting of metals
2,135	2,145	2,016	1,529	1,496	1,820	2,047	2,207	2,276	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
									Manufacture of metal doors, windows and their frames, shutters and gates
1,523	1,526	1,416	931	1,087	1,251	1,503	1,524	1,548	Manufacture of other structural metal products
540	554	537	549	363	520	490	627	664	Manufacture of tanks, reservoirs and containers of metal
73	65	62	49	46	49	54	55	64	Other industry
2,949	3,150	2,795	1,953	1,874	2,130	2,587	2,883	2,999	Manufacture of other fabricated metal products; metal working service activities
									Forging, pressing, stamping and roll-forming of metal; powder metallurgy
368	370	369	286	286	289	339	367	397	Treatment and coating of metals; machining
282	271	219	183	161	201	231	277	287	Manufacture of tins and cans for food products, collapsible tubes and boxes
511	505	452	460	393	452	530	511	537	Manufacture of metal cable, plaited bands and similar articles
1,161	1,104	1,109	575	566	684	880	1,064	1,097	Manufacture of bolts, screws, nuts and similar threaded products
28	29	27	12	19	18	18	18	19	Manufacture of metal household articles
533	799	553	385	391	426	531	581	593	Manufacture of any other fabricated metal products n.e.c.
65	72	65	52	57	60	58	66	69	Other industry
21,692	19,142	18,592	20,994	21,593	23,218	26,112	24,782	24,072	Manufacture of electronic components and boards
									Manufacture of diodes, transistors and similar semiconductor devices
12,278	11,046	10,610	12,284	12,706	12,856	13,936	14,670	14,283	Manufacture of electronic integrated circuits micro assemblies
									Manufacture of electrical capacitors and resistors
8,741	7,482	7,324	8,012	8,261	9,659	11,323	9,303	8,968	Manufacture of printed circuit boards
673	615	658	697	626	703	853	809	821	Manufacture of display components
									Manufacture of other components for electronic applications
4,203	5,048	3,843	4,371	3,642	3,382	2,299	4,405	3,797	Manufacture of computers and peripheral equipment
1,386	1,021	968	1,349	945	992	1,236	1,260	1,271	Manufacture of communication equipment
3,205	2,960	2,820	2,878	1,932	3,318	3,627	3,881	3,948	Manufacture of consumer electronics
1,052	935	899	1,014	991	1,204	1,359	1,339	1,331	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
									Manufacture of measuring, testing, navigating and control equipment
912	806	777	875	858	1,076	1,196	1,140	1,113	Manufacture of industrial process control equipment
140	130	122	140	132	129	163	199	218	Manufacture of watches and clocks and parts
654	644	617	897	807	641	761	811	336	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2020				2021			2020	2021
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	1,360	1,417	298	284	424	411	370	383	371	1,283	1,495
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	10,701	10,580	2,556	2,095	3,012	2,916	2,794	3,091	3,214	9,637	11,524
	27101 Pembuatan motor elektrik, penjana dan transformer	3,679	4,131	887	857	1,222	1,165	1,033	1,117	1,203	3,753	4,188
	27102 Pembuatan perkakasan pengagihan dan pengawalan	7,022	6,449	1,669	1,238	1,791	1,751	1,762	1,974	2,011	5,883	7,336
272/ 27200	Pembuatan bateri dan akumulator	4,497	5,166	1,032	1,397	1,496	1,240	968	1,212	1,464	4,804	4,584
273	Pembuatan pendawaian dan peranti pendawaian	10,144	8,432	2,208	1,441	2,317	2,467	2,396	2,580	2,673	7,612	9,654
	27310 Pembuatan kabel gentian optikal	256	227	59	47	61	61	63	62	85	207	271
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	9,401	7,731	2,019	1,311	2,129	2,271	2,178	2,325	2,397	6,978	8,704
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	487	474	130	82	127	135	155	193	192	427	678
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	898	1,324	219	330	449	326	286	306	318	1,221	1,181
275/ 27500	Pembuatan perkakasan domestik	10,901	10,017	2,694	1,724	2,839	2,760	2,553	2,581	2,707	9,114	9,881
279/ 27900	Pembuatan kelengkapan elektrik lain	6,152	6,605	1,386	1,432	1,938	1,849	1,670	1,921	2,005	6,017	7,018
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	36,932	36,825	8,917	8,354	9,974	9,580	9,430	11,289	10,655	33,614	39,006
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	2,906	2,312	698	405	575	633	622	761	690	2,096	2,639
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	7,641	8,498	1,968	2,070	2,312	2,148	2,407	2,987	2,675	7,796	9,937
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	8,489	10,135	2,183	2,377	2,900	2,675	2,725	3,099	2,901	9,299	10,934
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	7,568	6,803	1,766	1,724	1,674	1,639	1,235	1,673	1,546	6,182	5,488
		10,329	9,078	2,303	1,778	2,513	2,484	2,440	2,769	2,843	8,240	10,007
291 (29101 & 29102)	Pembuatan kenderaan bermotor	34,756	36,716	7,913	4,428	11,601	12,773	9,334	7,718	8,131	32,215	34,155
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	3,620	5,501	1,015	1,348	1,717	1,421	1,531	1,742	1,271	5,010	5,914
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	30,001	30,759	7,004	5,941	8,944	8,870	8,688	7,803	6,895	27,767	29,407
301 (30110 & 30120)	Pembinaan kapal dan bot	4,274	3,399	1,063	250	850	1,236	1,198	1,135	1,224	3,007	4,649
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.	10,522	9,546	2,702	1,941	2,387	2,516	2,537	2,160	1,787	8,705	8,109
	30910 Pembuatan motosikal	3,463	2,352	1,034	308	468	541	606	543	383	2,151	1,851
	30920 Pembuatan basikal dan invalid carriages	1,777	2,240	377	467	672	725	644	514	481	2,002	2,081
	Industri lain	5,282	4,955	1,291	1,166	1,247	1,251	1,287	1,104	923	4,551	4,177
310	Pembuatan perabot	17,816	16,524	4,475	2,416	4,718	4,914	4,702	3,230	2,876	14,895	13,947
	31001 Pembuatan perabot kayu dan rotan	11,905	10,982	3,155	1,512	3,096	3,219	3,029	1,801	1,414	9,915	7,751
	Industri lain	5,912	5,542	1,320	904	1,623	1,695	1,673	1,429	1,462	4,980	6,196
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	5,024	4,416	1,309	597	1,240	1,269	1,333	1,391	593	3,993	4,097
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	5,031	5,209	1,316	1,171	1,403	1,321	1,352	1,339	1,375	4,759	5,058
	32901 Pembuatan alat tulis	1,198	1,230	316	275	329	310	366	372	315	1,126	1,271
	Industri lain	3,833	3,980	1,000	896	1,074	1,010	986	967	1,060	3,633	3,787
323/ 32300	Pembuatan barangan sukan	226	273	54	76	76	67	56	59	37	254	183
324/ 32400	Pembuatan permainan dan mainan	874	600	168	104	164	164	144	154	135	545	561
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	6,003	5,324	1,421	870	1,563	1,469	1,430	1,129	1,176	4,867	4,807
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	1,628	1,695	282	327	580	505	474	369	409	1,544	1,614
	Industri lain	4,376	3,629	1,139	544	983	964	955	760	767	3,323	3,192
Jumlah Pembuatan		1,376,027	1,346,620	339,324	282,020	358,828	366,447	368,234	377,735	381,793	1,222,048	1,410,818

2020												Group Description/Period
Jan.	Feb.	Mar	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	
106	101	90	56	94	135	141	142	141	142	135	134	Manufacture of optical instruments, photographic equipment, magnetic and optical media
885	847	823	476	697	922	1,010	1,017	985	1,010	963	943	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
304	287	296	200	276	381	415	419	388	407	380	378	Manufacture of electric motors, generators and transformers
581	560	527	275	421	542	596	597	598	603	583	565	Manufacture of electricity distribution and control apparatus
394	340	299	367	467	563	519	525	451	478	400	362	Manufacture of batteries and accumulators
817	725	666	315	449	676	775	769	773	835	812	820	Manufacture of wiring and wiring devices
19	21	18	13	14	21	18	21	22	22	19	20	Manufacture of fibre optic cables
748	657	614	290	406	615	713	707	710	771	747	753	Manufacture of other electronic and electric wires and cables
												Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
50	46	34	12	30	40	44	42	41	42	46	47	
78	71	70	49	89	192	200	123	125	132	90	104	Manufacture of electric lighting equipment
938	872	884	510	416	798	955	958	926	944	914	902	Manufacture of domestic appliances
491	446	449	248	492	692	645	649	644	649	612	588	Manufacture of other electrical equipment
2,982	2,981	2,954	1,948	2,554	3,852	3,533	3,250	3,191	3,207	3,161	3,212	Manufacture of general-purpose and special-purpose machinery
												Manufacture of fluid power equipment
252	223	222	88	131	186	191	192	193	211	206	216	Manufacture of other pumps, compressors, taps and valves
												Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
699	663	605	370	766	934	866	725	721	725	722	701	Manufacture of metal-forming machinery and machine tools
720	730	733	612	598	1,167	1,060	954	887	895	944	836	Manufacture of air-conditioning machines, including for motor vehicles
550	620	595	529	443	751	591	538	545	553	466	620	Manufacture of other special-purpose machinery n.e.c.
760	744	798	350	615	813	826	842	845	823	822	839	Other industry
2,901	2,712	2,300	53	1,171	3,205	3,993	3,895	3,712	3,922	4,350	4,500	Manufacture of motor vehicles
363	337	316	179	418	751	656	558	502	444	486	491	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
2,562	2,379	2,063	1,188	2,040	2,713	3,100	3,109	2,735	2,890	2,988	2,992	Manufacture of parts and accessories for motor vehicles
371	297	395	15	17	219	268	268	313	440	404	392	Building of ships and boats
963	890	850	357	750	834	784	804	799	786	889	841	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
359	376	299	35	116	157	160	157	151	162	179	200	Manufacture of motorcycles
141	139	97	68	184	215	223	225	224	247	240	238	Manufacture of bicycles and invalid carriages
463	375	453	254	450	462	401	422	424	377	470	403	Other industry
1,564	1,449	1,462	114	762	1,540	1,567	1,577	1,575	1,656	1,629	1,630	Manufacture of furniture
1,079	991	1,085	69	400	1,043	1,029	1,036	1,030	1,094	1,058	1,067	Manufacture of wooden and cane furniture
484	458	378	46	362	497	538	541	544	561	571	563	Other industry
456	427	427	49	169	379	389	423	429	425	421	423	Manufacture of jewellery, bijouterie and related articles
481	434	400	265	422	483	461	473	469	433	437	451	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
111	102	103	52	97	125	114	115	99	103	104	103	Manufacture of stationery
370	332	297	213	325	358	347	358	370	330	333	347	Other industry
16	20	18	19	27	30	26	25	25	24	24	19	Manufacture of sports goods
61	55	51	5	42	57	55	54	55	55	54	55	Manufacture of games and toys
473	437	511	150	215	505	524	518	522	497	515	457	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
74	90	118	65	81	180	221	176	183	177	178	150	Repair and maintenance of transport equipment except motorcycles and bicycles
398	347	394	85	134	325	303	342	338	320	337	306	Other industry
117,992	111,240	110,091	75,754	89,477	116,789	119,162	118,446	121,220	122,004	119,872	124,571	Total Manufacturing

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	Jan.	Feb.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	130	123
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	954	851
	27101 Pembuatan motor elektrik, penjana dan transformer	354	315
	27102 Pembuatan perkakasan pengagihan dan pengawalan elektrik	600	536
272/ 27200	Pembuatan bateri dan akumulator	382	281
273	Pembuatan pendawaian dan peranti pendawaian	826	777
	27310 Pembuatan kabel gentian optikal	22	19
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	753	710
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	51	47
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	99	86
275/ 27500	Pembuatan perkakasan domestik	879	849
279/ 27900	Pembuatan kelengkapan elektrik lain	599	519
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	3,092	3,108
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	139	228
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	831	803
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	961	866
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	389 772	405 806
291 (29101 & 29102)	Pembuatan kenderaan bermotor	3,146	2,999
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	503	432
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2,742	2,740
301 (30110 & 30120)	Pembinaan kapal dan bot	396	384
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.	870	746
	30910 Pembuatan motosikal	206	187
	30920 Pembuatan basikal dan invalid carriages	238	164
	Industri lain	425	395
310	Pembuatan perabot	1,631	1,478
	31001 Pembuatan perabot kayu dan rotan	1,028	955
	Industri lain	603	523
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	489	413
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	448	438
	32901 Pembuatan alat tulis	116	115
	Industri lain	333	323
323/ 32300	Pembuatan barangan sukan	17	18
324/ 32400	Pembuatan permainan dan mainan	42	41
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	466	433
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	158	126
	Industri lain	308	307
Jumlah Pembuatan		122,887	118,412

2021									Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
117	127	111	145	99	120	152	198	173	Manufacture of optical instruments, photographic equipment, magnetic and optical media
989	1,076	961	1,054	929	1,125	1,160	1,216	1,208	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
363	394	336	388	384	414	404	424	411	Manufacture of electric motors, generators and transformers
626	682	626	666	545	710	756	793	797	Manufacture of electricity distribution and control apparatus
306	374	349	489	457	534	474	484	456	Manufacture of batteries and accumulators
793	862	837	881	845	894	935	1,006	998	Manufacture of wiring and wiring devices
21	23	19	20	28	27	30	33	28	Manufacture of fibre optic cables
716	777	758	789	748	803	846	906	898	Manufacture of other electronic and electric wires and cables
57	62	59	71	69	64	59	67	71	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
102	109	95	103	78	113	127	159	111	Manufacture of electric lighting equipment
826	892	824	866	855	930	922	1,006	1,034	Manufacture of domestic appliances
552	622	601	698	587	675	743	715	706	Manufacture of other electrical equipment
3,230	3,873	3,512	3,904	3,066	3,794	3,795	3,818	3,814	Manufacture of general-purpose and special-purpose machinery
									Manufacture of fluid power equipment
256	277	247	237	138	276	275	296	271	Manufacture of other pumps, compressors, taps and valves
									Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
773	1,013	959	1,016	930	871	874	960	907	Manufacture of metal-forming machinery and machine tools
897	1,073	927	1,100	623	1,178	1,101	1,093	1,116	Manufacture of air-conditioning machines, including for motor vehicles
441	553	455	664	512	506	528	520	514	Manufacture of other special-purpose machinery n.e.c.
862	958	924	888	862	963	1,017	950	1,005	Other industry
3,189	3,187	2,719	1,813	2,401	2,412	3,318	4,287	4,683	Manufacture of motor vehicles
596	739	578	425	361	388	522	683	687	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
3,206	2,968	2,718	2,117	2,214	2,382	2,300	2,931	3,089	Manufacture of parts and accessories for motor vehicles
418	451	310	373	335	411	477	568	524	Building of ships and boats
922	886	684	591	531	620	637	734	890	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
213	218	190	135	126	129	128	139	181	Manufacture of motorcycles
242	225	198	91	99	185	197	219	223	Manufacture of bicycles and invalid carriages
466	442	296	365	305	306	312	377	486	Other industry
1,593	1,206	1,177	847	614	968	1,294	1,494	1,646	Manufacture of furniture
1,046	674	655	472	339	496	579	684	823	Manufacture of wooden and cane furniture
547	532	522	375	275	471	715	810	823	Other industry
431	583	528	279	116	148	329	364	415	Manufacture of jewellery, bijouterie and related articles
466	476	454	409	423	461	491	498	494	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
136	130	129	112	100	118	97	108	110	Manufacture of stationery
330	346	324	297	323	343	394	391	384	Other industry
21	22	21	15	11	12	14	14	18	Manufacture of sports goods
61	67	64	22	42	35	58	64	64	Manufacture of games and toys
531	481	328	321	332	366	477	506	565	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
190	166	102	101	106	116	187	173	190	Repair and maintenance of transport equipment except motorcycles and bicycles
341	315	226	219	226	251	291	334	376	Other industry
126,935	130,646	122,726	124,363	119,934	126,536	135,323	140,655	142,401	Total Manufacturing

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020					2021			2020	2021					
		2020	Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei
101	Pemprosesan dan pengawetan daging	9.4	-9.6	12.6	8.8	26.4	30.7	-7.9	5.5	7.8	7.7	-4.5	-6.2	-16.3	-2.0	10.1
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-2.3	9.7	-18.2	-0.2	0.3	4.5	22.0	-13.1	-2.6	1.8	2.5	29.4	1.4	-28.5	-16.5
	10201 Pengetinan ikan, krustasea dan moluska &															
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.3	10.9	-17.3	0.5	1.7	4.7	22.2	-13.1	-1.7	1.7	2.7	31.9	2.6	-27.7	-15.0
	Industri lain	-19.0	-8.3	-33.6	-11.7	-22.5	0.2	17.6	-12.4	-18.8	3.7	-1.5	-3.9	-19.2	-42.1	-39.9
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	7.9	-3.2	-0.1	16.5	18.3	29.8	12.0	-25.3	6.9	-0.3	3.3	4.3	-17.5	-37.6	-2.6
	10303 Pengetinan nanas &															
	10304 Pembuatan jem, marmalad dan sajian jeli	2.6	7.7	-14.9	2.2	18.5	4.0	10.3	5.7	0.1	7.6	-9.1	15.9	15.8	-29.6	-10.9
	Industri lain	9.3	-7.0	4.1	19.3	18.2	39.9	12.4	-30.6	8.7	-2.2	7.2	-0.2	-28.2	-40.3	-0.3
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	14.3	-5.6	21.6	23.7	15.1	12.3	12.8	11.6	14.5	13.1	-15.6	9.7	-7.4	6.6	17.3
	10404 Pembuatan minyak sayuran mentah dan bertapis &															
	10406 Pembuatan sebatian lemak masakan	3.1	9.2	-5.0	2.7	5.8	13.3	40.4	36.8	2.9	25.7	7.2	22.7	1.1	-13.9	-2.9
	10405 Pembuatan minyak kelapa	6.6	7.3	-15.1	7.6	27.8	10.9	-1.9	-23.8	4.0	-5.6	5.1	15.6	1.8	-28.5	-25.4
	Industri lain	15.7	-7.6	25.0	26.3	16.1	12.2	10.6	9.5	15.9	11.9	-18.2	8.1	-8.7	9.1	19.9
105	Pembuatan produk tenusu	3.3	2.0	-7.8	9.8	10.3	3.8	13.1	2.0	3.0	6.9	7.1	3.4	-3.6	-21.5	-11.2
	10502 Pembuatan susu pekat, tepung dan sejat	4.4	2.4	-7.4	12.5	11.6	2.4	12.2	2.0	4.1	6.5	7.0	3.7	-2.9	-22.1	-10.7
	Industri lain	-8.7	-1.8	-12.3	-16.4	-3.5	21.5	25.6	2.6	-10.2	12.1	7.3	-0.3	-12.6	-13.3	-18.4
106	Pembuatan produk bijian, kanji dan produk berkanji	3.5	6.9	4.2	3.4	-0.4	3.8	21.2	20.2	4.4	17.5	5.3	11.3	4.4	9.4	-3.2
	10611 Pengilangan beras	18.8	25.2	38.9	14.5	-1.0	-10.4	20.6	34.5	22.4	19.6	9.5	31.1	34.2	51.1	27.7
	10613 Pengilangan tepung	-6.1	-5.7	-16.0	-2.8	0.9	17.2	24.4	10.8	-6.7	17.3	2.6	-2.7	-16.6	-17.5	-20.9
	Industri lain	-3.2	9.0	-1.2	-10.4	-9.3	-3.3	-7.3	-1.8	-3.0	-1.8	4.7	10.1	12.3	5.4	-8.1
107	Pembuatan produk makanan lain	9.4	2.2	11.6	13.6	10.2	22.0	10.4	6.3	9.1	12.6	3.6	9.5	-6.1	4.6	6.7
	10711 Pembuatan biskut dan cookies	1.9	9.7	-3.8	-2.2	4.7	14.8	7.9	-14.9	0.9	3.7	8.8	26.1	-2.0	-15.6	-7.0
	10712 Pembuatan roti, kek dan produk bakeri lain	31.6	4.3	50.0	48.8	24.8	35.8	-1.9	-3.3	32.6	6.7	10.7	9.5	-6.3	52.3	43.0
	10713 Pembuatan produk snek	-8.9	-11.5	-10.3	-4.3	-8.8	-3.6	-4.8	-10.0	-8.7	-3.1	3.3	-9.1	-25.1	-13.6	-14.3
	10721 Pembuatan gula	-6.5	6.6	-15.3	-14.2	-2.5	9.0	24.7	24.8	-7.4	20.0	-2.4	38.4	-11.0	-18.2	-24.8
	10731 Pembuatan produk koko	-7.5	0.4	-9.7	-13.0	-7.1	-1.9	-10.0	-11.0	-7.9	-7.8	5.0	4.1	-7.4	-3.5	-13.5
	10732 Pembuatan coklat dan produk coklat &															
	10733 Pembuatan konfeksi gula	23.1	-3.7	31.0	35.4	32.2	48.8	28.8	17.1	21.8	27.2	-5.2	0.5	-6.5	-0.9	32.1
	10793 Pembuatan sos dan bahan perasa	-17.5	-8.9	-27.8	-18.7	-14.3	7.9	26.5	3.0	-18.2	14.4	3.7	-0.8	-27.7	-28.4	-32.3
	10799 Pembuatan produk makanan lain t.t.t.l.	13.9	16.0	23.2	5.5	11.7	18.0	8.1	27.8	13.9	19.5	22.3	22.0	4.6	-1.9	29.7
	Industri lain	1.6	5.2	-5.3	7.0	0.1	11.0	12.9	6.4	1.5	11.0	0.5	6.5	8.9	-4.1	-13.1
108/ 10800	Pembuatan makanan haiwan tersedia	-16.3	6.7	-13.6	-27.2	-29.7	-26.9	17.2	43.5	-14.9	13.3	3.4	13.7	3.7	-0.3	-22.9
110	Pembuatan minuman ringan	-24.5	0.2	-56.8	-21.2	-18.8	-1.9	66.6	-6.5	-25.4	12.4	1.3	4.8	-5.3	-65.7	-60.5
	11041 Pembuatan minuman ringan	-27.1	-9.4	-49.2	-24.7	-24.5	1.0	53.1	27.8	-27.7	25.2	-11.6	-2.4	-13.7	-49.5	-54.1
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-15.3	-15.1	-41.8	-0.8	-2.0	22.1	61.9	6.2	-16.4	23.2	-3.0	-12.3	-29.6	-68.3	-32.9
	Industri lain	-23.2	21.4	-72.7	-21.9	-14.4	-11.0	108.0	-60.9	-24.5	-10.3	24.9	22.7	16.5	-90.8	-78.1
120/ 12000	Pembuatan produk tembakau	-21.7	-4.9	-81.2	-2.5	2.0	2.9	222.9	-71.5	-23.9	-5.5	-4.2	-3.3	-6.9	-98.2	-90.2
131	Pemintalan, penenunan dan penyiapan tekstil	-13.9	3.0	-41.8	-13.3	-3.6	-1.6	80.7	0.2	-14.9	14.8	3.3	15.3	-7.9	-66.5	-42.3
	13110 Penyediaan dan pemintalan gentian tekstil &															
	13120 Penenunan tekstil	-18.1	2.3	-46.9	-21.5	-6.0	-5.5	98.1	0.03	-19.3	15.7	2.9	14.5	-8.8	-71.7	-45.9
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3.4	7.5	-18.4	17.7	5.5	14.3	35.2	-0.2	3.1	12.5	6.5	21.4	-3.0	-43.0	-24.7
	Industri lain	-43.9	-22.1	-80.6	-38.7	-30.8	-32.4	134.2	22.1	-44.9	10.9	-19.8	-14.3	-32.4	-99.1	-90.9
139	Pembuatan tekstil lain	-8.7	-1.8	-30.2	-5.7	3.2	14.2	55.3	31.2	-10.1	31.6	2.6	1.3	-9.0	-60.4	-20.9
	13910 Pembuatan fabrik dikait dan dikrusye	-10.5	-5.6	-27.6	-6.8	-1.6	13.9	32.6	9.8	-11.5	17.2	0.5	-3.2	-13.9	-64.5	-12.2
	Industri lain	-6.4	2.9	-33.5	-4.3	9.3	14.5	87.5	57.9	-8.3	49.2	5.2	6.7	-3.2	-55.1	-32.2
141	Pembuatan pakaian, kecuali pakaian berbulu	-9.8	5.0	-30.1	-8.9	-5.3	-1.3	23.7	-4.0	-10.9	3.7	4.5	10.3	0.3	-48.0	-31.8
	14102 Pembuatan pakaian	-6.4	5.8	-24.0	-3.4	-4.0	-0.8	18.5	-3.7	-7.2	3.1	3.8	11.7	2.2	-42.3	-26.6
	Industri lain	-31.2	-0.3	-67.1	-42.9	-13.7	-5.0	97.1	-7.1	-33.7	9.0	8.6	1.6	-11.1	-81.0	-63.4
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-14.0	-20.2	-30.2	-2.5	-3.0	23.8	25.1	-30.9	-16.1	1.7	-16.1	-14.2	-29.8	-59.5	-18.1
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-12.8	-0.5	-36.5	-9.3	-3.6	1.1	9.0	-25.3	-13.9	-0.9	-1.3	0.5	-0.6	-74.7	-28.6
152	Pembuatan kasut	-26.4	-2.6	-62.0	-26.7	-12.7	5.8	70.8	-26.5	-29.0	2.6	-0.2	7.4	-14.4	-88.0	-75.6
	15201 Pembuatan kasut kulit &															
	15203 Pembuatan kasut getah	-29.7	-8.2	-62.5	-28.5	-16.4	8.0	45.5	-35.1	-31.7	-3.0	-3.9	1.3	-21.6	-84.7	-70.7
	Industri lain	-20.5	7.3	-61.2	-23.6	-6.3	2.6	120.5	-12.1	-23.9	11.8	5.9	17.8	-1.4	-94.6	-85.5
161/ 16100	Pengilangan dan pengetaman kayu	-19.8	-11.9	-65.8	-4.4	9.4	5.9	75.5	-21.4	-22.4	5.4	-16.0	-8.5	-10.5	-94.3	-89.1

2020																	2021															Group Description/Period
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.									
33.4	10.0	-2.9	21.9	19.5	28.5	32.0	41.0	35.9	16.8	-6.8	-8.4	-8.5	-3.2	11.2	8.5	10.1	9.9	Processing and preserving of meat														
-9.7	-0.3	-2.0	1.8	2.9	-2.5	0.7	3.3	0.0	10.4	43.5	15.4	11.0	-12.6	-12.1	-14.6	-6.2	-1.5	Processing and preserving of fish, crustaceans and molluscs														
																		Canning of fish, crustaceans and molluscs														
-9.2	0.6	-1.8	2.8	4.1	-0.9	1.9	3.8	0.2	10.4	43.8	15.0	11.7	-12.5	-12.0	-14.9	-7.2	-2.7	Processing, curing and preserving of fish, crustacean and molluscs														
-18.2	-13.5	-6.8	-14.3	-17.0	-29.3	-21.1	-4.6	-3.9	10.8	36.9	24.2	-1.6	-15.3	-12.5	-9.2	13.4	27.7	Other industry														
40.9	19.4	12.7	17.4	19.4	15.6	19.7	20.8	19.4	54.5	97.4	10.9	-26.0	-26.0	-24.5	-25.4	-19.5	-8.2	Processing and preserving of fruits and vegetable														
																		Pineapple canning														
-0.7	-1.0	5.4	2.4	14.9	4.7	35.5	10.0	3.3	-0.1	52.8	-0.4	-17.0	-4.5	9.1	12.8	10.9	17.7	Manufacture of jams, marmalades and table jellies														
51.6	23.7	14.1	20.3	20.2	18.0	16.2	23.8	26.6	82.8	114.8	13.7	-27.5	-29.6	-30.6	-31.7	-24.6	-13.2	Other industry														
43.8	26.0	22.2	23.1	23.2	8.9	12.8	10.3	11.8	15.0	15.2	11.4	12.0	11.3	10.0	13.3	9.3	24.6	Manufacture of vegetable and animal oils and fats														
																		Manufacture of crude and refined vegetable oil														
2.2	2.4	2.2	3.3	8.1	4.1	5.1	5.8	19.0	16.0	51.3	38.0	33.1	29.5	27.6	53.0	7.7	10.1	Manufacture of compound cooking fats														
11.7	9.4	6.9	6.5	18.4	27.5	38.3	22.5	4.7	6.4	15.3	32.2	-39.4	-26.7	-20.8	-23.8	-8.5	-7.2	Manufacture of coconut oil														
49.1	29.1	24.7	25.3	24.9	9.3	13.5	10.8	11.0	15.0	12.2	8.9	10.6	9.8	8.5	10.1	9.6	26.5	Other industry														
10.9	11.5	7.9	10.3	14.3	9.1	7.2	5.0	3.3	3.0	30.4	9.8	2.8	-7.3	2.5	11.6	6.2	14.0	Manufacture of dairy products														
12.1	14.5	10.5	12.7	16.9	10.8	7.1	4.9	1.7	0.7	30.4	8.4	1.8	-7.9	2.4	12.5	6.7	15.7	Manufacture of condensed, powdered and evaporated milk														
-4.9	-18.6	-19.2	-11.5	-10.1	-7.0	9.0	6.8	24.3	36.9	30.8	30.2	16.6	2.0	3.9	1.9	-0.3	-5.1	Other industry														
6.5	4.8	3.0	2.4	4.1	1.0	-6.0	0.4	3.8	7.1	15.2	22.5	26.5	16.9	16.7	26.9	29.3	30.8	Manufacture of grain mill products, starches and starch products														
36.5	20.7	19.8	4.9	6.3	7.3	-15.0	0.2	-10.6	-18.2	2.3	27.3	37.8	27.5	28.1	47.5	52.3	44.8	Rice milling														
-9.4	-3.6	-6.1	1.7	4.1	-2.4	1.0	0.9	17.7	36.3	32.5	21.5	19.6	10.8	9.1	12.4	13.4	21.9	Flour milling														
0.01	-11.8	-9.6	-9.8	-13.5	-8.5	-5.5	-4.2	2.9	-8.4	-5.3	-13.9	-2.7	-10.1	0.5	3.8	4.5	13.3	Other industry														
23.6	15.5	15.9	9.3	9.2	8.9	12.6	17.6	18.6	30.4	21.4	8.2	3.0	4.7	2.3	12.2	14.0	10.6	Manufacture of other food products														
12.7	-0.4	-1.9	-4.2	-5.6	8.0	11.9	22.3	7.2	15.4	56.7	-6.3	-20.2	-16.6	-16.3	-11.8	7.0	14.1	Manufacture of biscuits and cookies														
54.2	56.0	58.4	32.1	28.5	25.5	20.6	21.9	56.2	28.8	-11.8	5.6	1.4	-6.7	-5.3	3.2	3.1	1.6	Manufacture of bread, cakes and other bakery products														
-2.7	-4.6	-3.7	-4.6	-5.6	-9.9	-10.9	-5.1	-10.1	5.0	8.0	-6.6	-14.8	-20.0	-13.7	3.7	9.9	11.7	Manufacture of snack products														
-2.9	-15.1	-15.3	-12.0	-4.9	-5.9	3.7	8.1	-2.2	24.0	45.7	19.5	12.1	22.3	13.2	38.7	26.4	23.7	Manufacture of sugar														
-11.8	-13.1	-11.4	-14.7	-3.7	-14.1	-3.1	-0.4	1.1	-6.7	-9.4	-10.2	-10.4	-13.2	-12.1	-7.4	-13.7	-3.9	Manufacture of cocoa products														
																		Manufacture of chocolate and chocolate products														
64.1	41.9	34.1	30.9	22.5	37.2	37.4	43.1	31.9	73.8	74.8	20.2	6.3	22.5	11.1	18.0	24.0	6.9	Manufacture of sugar confectionery														
-22.6	-17.7	-19.5	-18.8	-21.4	-11.0	-9.8	1.2	2.5	23.3	37.4	28.4	15.2	-4.1	-0.01	13.5	23.1	28.3	Manufacture of sauces and condiments														
39.5	4.3	1.9	10.5	9.7	11.6	13.8	16.2	8.0	31.0	44.2	-1.7	-6.0	24.1	28.0	31.3	35.5	20.3	Manufacture of other food products n.e.c.														
2.0	5.8	12.6	3.0	6.5	-7.9	2.5	9.2	2.9	21.4	11.8	9.1	17.6	6.0	2.1	11.0	13.2	17.4	Other industry														
-17.9	-26.5	-29.3	-25.7	-29.9	-28.7	-30.6	-33.7	-32.4	-14.6	-1.5	28.3	30.1	44.7	42.9	42.9	44.2	47.7	Manufacture of prepared animal feeds														
-44.1	-28.7	-20.2	-15.0	-19.4	-22.3	-14.6	-9.4	-4.1	8.9	177.0	88.0	-16.2	-19.1	-7.4	4.8	24.3	17.2	Manufacture of beverages														
-43.9	-27.9	-25.2	-21.2	-25.1	-28.2	-20.3	-3.6	-2.6	10.1	85.1	49.6	26.7	24.9	45.9	12.4	41.1	32.1	Manufacture of soft drinks														
-24.3	-11.0	-1.2	10.8	1.8	-5.2	-2.5	-4.0	21.4	58.0	254.7	28.8	10.7	7.2	10.3	1.4	12.5	16.8	Production of natural mineral waters and other bottled waters														
-50.1	-35.0	-18.1	-12.6	-16.5	-17.8	-8.4	-17.8	-12.1	-2.3	897.4	263.4	-98.9	-98.9	-89.4	-4.6	5.6	-2.6	Other industry														
-54.7	-4.9	-5.9	3.1	2.6	3.0	0.7	1.7	1.2	5.4	4,736.7	641.2	-50.5	-75.2	-81.2	-59.9	17.4	7.6	Manufacture of tobacco products														
-12.5	-15.3	-13.5	-11.0	-6.7	-1.7	-2.4	-6.1	-5.5	7.4	191.9	70.8	38.7	7.7	-3.4	-3.2	-5.5	7.7	Spinning, weaving and finishing of textiles														
																		Preparation and spinning of textile fibres														
-19.1	-22.7	-21.8	-19.9	-14.3	1.3	-4.5	-10.4	-8.9	3.4	239.8	89.0	47.1	7.1	1.5	-8.4	-9.8	6.2	Weaving of textiles														
16.8	13.9	15.3	24.0	18.0	-8.1	6.6	10.8	9.6	22.8	89.9	18.4	17.5	10.2	-17.1	7.1	3.7	12.1	Dyeing, bleaching, printing and finishing of yarns and fabrics														
-49.8	-46.0	-21.1	-45.6	-25.9	-34.8	-31.8	-22.7	-46.9	-25.4	5,136.9	375.1	-4.0	-18.1	45.3	32.5	8.2	11.3	Other industry														
-10.6	-9.0	-6.4	-1.5	2.6	-0.1	6.9	10.9	4.6	28.4	181.1	31.3	23.3	34.0	28.5	31.4	28.5	35.2	Manufacture of other textiles														
-7.9	-7.9	-10.4	-1.5	0.2	-5.3	0.2	7.2	4.6	31.8	169.0	5.6	8.1	10.5	3.7	15.4	13.1	16.8	Manufacture of knitted and crocheted fabrics														
-14.0	-10.4	-1.0	-1.6	5.8	6.4	15.9	15.3	4.5	24.6	193.5	74.5	44.6	65.5	58.6	50.5	47.7	55.6	Other industry														
-12.0	-13.0	-13.0	0.1	-2.5	-14.3	1.6	-2.2	-1.3	-0.4	85.2	22.9	-9.2	-5.2	0.3	-6.7	-1.6	4.0	Manufacture of wearing apparel, except fur apparel														
-4.9	-6.6	-7.2	4.4	0.1	-13.5	2.0	-0.9	-1.2	-0.1	73.1	16.6	-10.3	-5.4	0.2	-5.7	-1.2	4.5	Manufacture of clothings														
-57.0	-57.5	-49.1	-23.8	-18.2	-19.4	-1.6	-10.3	-1.5	-2.2	299.8	99.8	6.3	-2.7	1.0	-14.5	-4.8	0.7	Other industry														
-15.3	11.6	-12.3	-6.9	-6.7	-10.8	10.0	24.0	13.9	35.4	173.9	30.4	-43.2	-40.6	-28.1	-22.0	-5.1	0.4	Manufacture of articles of fur, knitted and crocheted apparel														
																		Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur														
-6.7	-6.9	-10.9	-10.2	-5.3	-5.3	-0.1	0.8	1.6	0.9	232.6	12.5	-53.3	-53.8	-20.6	2.0	19.3	19.7															
-25.2	-30.6	-27.8	-21.9	-20.9	-17.9	1.2	2.0	-0.6	18.1	562.0	164.1	-30.3	-29.5	-20.5	-29.2	-10.8	-12.1	Manufacture of footwear														
																		Manufacture of leather footwear														
-35.0	-31.9	-25.4	-27.9	-25.6	-15.5	-7.1	0.9	-1.9	28.8	363.0	80.8	-36.0	-41.1	-30.6	-33.5	-13.4	-12.7	Manufacture of rubber footwear														
-4.1	-28.2	-31.6	-9.6	-11.3	-21.8	15.3	3.7	1.4	2.8	1,661.5	498.3	-22.1	-9.6	-3.0	-22.1	-6.4	-11.0	Other industry														
-11.3	-5.8	-7.1	-0.4	9.2	9.2	9.6	2.2	-0.5	16.4	1,274.9	443.3	-53.5	-44.9	-4.5	-15.2	-1.1	4.5	Sawmilling and planning of wood														

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh															
		2020	2020				2021			2020	2021					
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-25.4	2.6	-69.3	-18.7	-17.7	-10.7	83.2	-21.7	-26.3	1.3	3.0	8.8	-3.6	-94.0	-91.0
16211	Pembuatan kepingan venier dan papan lapis	-35.4	0.1	-78.4	-32.4	-32.4	-24.8	107.6	-21.7	-35.9	-3.6	3.0	2.7	-5.1	-99.8	-99.8
16212	Pembuatan papan partikel dan papan gentian	-11.9	12.5	-66.7	3.6	2.0	7.0	126.9	-14.7	-13.4	14.2	1.8	32.4	6.0	-99.4	-99.2
16221	Perfukangan kayu untuk jurubina	-18.2	7.1	-69.3	-15.1	3.0	13.7	100.6	-27.3	-20.4	7.5	5.0	24.0	-5.2	-93.3	-86.2
	Industri lain	-3.2	-8.3	-14.3	7.9	2.5	6.0	-12.1	-35.5	-4.1	-12.5	3.9	-13.3	-14.0	-40.7	-12.6
170	Pembuatan kertas dan produk kertas	-2.1	0.5	-13.3	1.7	2.8	10.7	29.4	10.0	-2.6	15.8	1.9	4.5	-4.2	-29.4	-16.3
17010	Pembuatan pulpa, kertas dan kertas tebal	-3.5	5.2	-41.1	9.3	12.3	17.5	118.0	24.3	-5.3	38.5	2.8	12.5	0.7	-71.8	-52.1
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	9.7	2.9	-0.2	16.6	18.8	21.0	22.2	0.9	9.0	12.0	8.3	2.3	-1.6	-20.3	-1.1
17091	Pembuatan sampul surat dan kad surat	-32.3	-17.7	-34.4	-42.3	-33.9	-26.0	-25.4	-4.5	-32.6	-17.0	-4.8	-17.6	-27.6	-50.0	-30.6
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-10.6	-2.6	-11.1	-11.4	-17.1	-2.7	12.9	11.8	-10.7	10.3	-8.0	1.9	-2.0	-17.3	-15.7
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergelung dan label dan kertas dinding	-19.2	-8.9	-20.0	-24.2	-23.4	-3.9	18.1	29.3	-18.8	16.0	-8.3	3.0	-19.0	-19.1	-22.2
	Industri lain	9.2	11.4	2.2	8.6	14.5	15.0	16.8	1.8	9.0	9.2	17.5	16.1	1.5	-20.6	8.8
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	-8.3	0.9	-39.1	1.6	2.7	3.8	42.7	-15.0	-9.5	4.3	4.3	5.2	-6.8	-62.7	-40.1
18110	Percetakan	-7.4	2.0	-38.5	3.1	3.2	-2.4	37.1	-10.9	-8.4	3.1	5.4	4.9	-4.1	-62.4	-41.1
18120	Aktiviti perkhidmatan berkaitan percetakan	-11.9	-3.9	-41.9	-4.3	0.7	30.8	68.2	-32.5	-13.7	9.7	-0.2	6.5	-17.9	-64.2	-35.9
	&															
18200	Penerbitan semula media rakaman															
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-14.0	7.8	-21.5	-20.9	-20.9	-17.6	59.8	66.8	-13.7	35.9	10.0	12.2	1.5	-13.9	-25.3
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	-14.2	0.1	-24.4	-20.4	-11.7	1.8	10.2	18.3	-15.4	10.3	0.7	3.5	-3.4	-24.7	-28.5
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-50.1	5.4	-64.6	-78.1	-59.9	-32.9	87.7	112.0	-52.7	15.7	2.8	5.4	8.0	-77.2	-64.5
20112	Pembuatan kimia organik asas	-14.7	0.4	-23.2	-22.2	-12.9	5.8	5.6	22.8	-15.9	10.7	5.6	4.0	-7.8	-19.1	-28.8
20113	Pembuatan sebatian bukan organik															
20121	Pembuatan baja	-22.8	-4.8	-28.7	-30.2	-28.1	-13.3	19.2	0.1	-23.4	8.8	-0.2	1.2	-14.4	-33.8	-34.2
20129	Pembuatan produk campuran nitrogen	-6.0	-0.4	-20.1	-4.0	1.9	3.7	7.1	6.1	-7.1	6.7	-7.1	4.0	2.6	-24.3	-21.6
20131	Pembuatan plastik dalam bentuk primer	-3.0	2.9	-9.2	-11.4	7.2	15.0	28.7	58.1	-4.0	32.4	1.7	-4.1	10.7	5.0	-15.9
	Industri lain															
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	-5.5	4.1	-25.7	-3.6	4.0	10.5	39.5	10.0	-6.7	19.4	3.3	16.3	-5.6	-43.7	-27.5
20210	Pembuatan racun perosak dan produk agrokimia lain	-6.6	-15.6	-22.8	-3.6	14.6	55.0	62.3	22.8	-9.7	42.6	7.7	-21.4	-31.8	-33.2	-23.9
20221	Pembuatan cat, varnis dan penyadur dan mastik	-16.4	16.6	-50.0	-19.1	-11.0	-5.4	119.4	31.1	-17.1	40.6	10.7	41.3	3.0	-73.0	-53.7
20222	Pembuatan dakwat cetak	-34.6	-1.2	-46.2	-47.3	-42.9	-33.2	26.3	17.6	-34.2	-2.2	-3.4	10.4	-8.7	-54.9	-45.2
20231	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	11.8	8.2	-7.7	19.6	27.0	26.1	17.1	2.4	9.9	12.9	-0.2	28.7	-0.3	-30.8	-9.4
20232	Pembuatan pewangi dan penyediaan dandanan diri															
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials															
20292	Pembuatan dakwat menulis dan melukis	-8.9	-4.8	-20.2	-9.3	-0.8	5.8	17.1	-2.8	-10.0	6.1	0.1	-3.7	-10.4	-28.6	-21.4
20299	Pembuatan produk kimia lain t.t.t.l.															
	Industri lain	-17.4	-5.1	-44.4	-8.3	-11.1	5.3	82.6	27.8	-17.9	25.9	7.5	-0.1	-22.2	-58.6	-48.7
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	16.2	8.8	21.2	22.1	12.6	19.8	12.7	13.9	16.3	16.5	4.5	11.5	10.5	18.0	13.9
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	14.3	10.6	21.3	15.0	10.7	19.9	19.8	23.2	14.3	21.4	5.0	16.2	10.9	24.1	15.3
	Industri lain	24.6	1.2	20.9	54.4	21.3	19.2	-16.5	-17.4	25.3	-3.4	2.3	-7.9	8.9	-5.4	8.3
221	Pembuatan produk getah	55.2	22.1	52.1	61.1	83.4	92.3	75.0	17.3	52.9	42.1	7.4	9.0	49.5	52.5	49.2
22111	Pembuatan tayar getah untuk kenderaan	3.0	-22.1	-7.2	18.7	25.1	33.8	-6.4	67.1	1.4	34.9	-12.4	-0.5	-50.9	-47.4	-3.3
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	40.9	-10.7	63.9	70.4	38.7	53.2	-26.7	-35.5	40.4	-8.4	-6.2	3.3	-27.9	-36.0	71.9
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	2.0	-1.8	1.6	1.9	5.6	22.5	-2.4	-28.6	1.3	-8.0	8.2	5.0	-18.2	-17.3	-4.3
22193	Pengilangan semula getah dan prosesan susu getah															
22192	Pembuatan sarung tangan getah	89.4	41.6	90.5	95.1	127.3	119.6	103.3	24.7	86.8	55.7	10.1	11.6	103.8	110.9	88.8
22199	Pembuatan produk getah lain yang t.t.t.l.	27.2	7.4	9.1	40.2	51.5	59.5	46.3	1.6	24.5	26.4	12.4	11.6	-1.1	-3.9	1.6
222	Pembuatan produk plastik	2.3	1.7	-3.2	5.7	5.1	18.7	31.5	18.0	1.9	21.4	2.2	8.2	-4.9	-12.3	-6.4
22201	Pembuatan produk plastik separa siap															
22202	Pembuatan produk plastik siap	12.5	4.2	14.5	16.6	14.4	26.7	27.6	18.5	12.1	22.0	0.5	10.2	2.6	4.8	14.3
22203	Pembuatan artikel plastik untuk pembungkusan	1.1	2.0	-7.7	-0.8	11.6	24.9	33.3	26.9	0.1	28.2	6.5	4.3	-5.1	-16.1	-12.9
22204	Pembuatan barangan plastik jurubina	1.2	5.8	-15.0	7.4	7.3	24.4	83.2	68.8	1.3	59.5	1.0	11.8	5.7	-17.1	-23.8
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	18.5	3.3	2.5	40.3	28.5	39.3	70.1	37.0	18.7	49.7	-1.0	18.6	-6.2	-20.1	-16.3
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-6.4	-1.0	-13.0	-2.6	-8.8	4.4	23.8	2.8	-6.6	7.9	1.0	7.5	-10.5	-20.5	-14.3
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-27.6	20.4	-63.6	-36.6	-28.5	-23.7	86.1	-32.0	-28.1	-10.6	13.8	17.9	29.5	-71.3	-61.8

2020																	Group Description/Period	
Jun	Jul	Ogo	Sep	Okt	Nov	Dis	Jan	Feb	Mac	Apr	Mei	Jun	Jul	Ogo	Sep	Okt		
-19.9	-21.5	-22.0	-12.5	-19.3	-18.5	-15.4	-14.7	-14.0	-3.1	1,164.8	431.5	-44.5	-49.5	-10.8	-6.1	8.8	16.0	Manufacture of products of wood, cork, straw and plaiting materials
-31.7	-34.9	-36.5	-25.6	-35.1	-32.5	-29.7	-30.9	-24.8	-18.1	31,138.4	17,447.2	-44.6	-53.0	-9.7	-3.7	16.1	19.9	Manufacture of veneer sheets and plywood
1.8	1.4	0.4	8.9	2.7	-0.7	4.0	12.7	-5.2	14.8	15,822.1	8,146.4	-40.2	-40.3	-7.6	2.1	9.9	22.5	Manufacture of particle board and fibreboard
-28.9	-20.9	-15.6	-8.7	2.3	2.2	4.6	3.9	10.4	29.2	1,245.5	337.2	-51.8	-52.8	-8.2	-21.6	1.2	4.3	Manufacture of builders' carpentry
11.7	7.0	8.8	8.1	-2.5	3.2	7.2	4.2	-0.7	15.6	69.2	-21.9	-49.4	-56.3	-25.9	-24.6	-14.1	-4.1	Other industry
7.1	1.8	1.2	2.1	2.2	1.9	4.4	8.4	4.9	18.6	62.2	28.2	7.2	4.9	11.9	13.2	13.6	15.9	Manufacture of paper and paper products
4.5	7.0	6.6	14.9	14.4	7.1	15.7	16.8	7.8	28.3	352.1	160.4	28.1	16.9	27.9	28.1	29.3	21.6	Manufacture of pulp, paper and paperboard
22.8	15.0	18.4	16.4	19.2	19.2	17.9	12.7	14.7	35.8	66.5	19.7	-7.2	-3.8	2.9	3.5	3.9	7.3	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-20.2	-51.0	-40.9	-32.5	-37.4	-34.9	-28.9	-30.1	-22.8	-24.6	-9.7	-27.6	-35.1	-7.2	-2.7	-3.5	-3.6	1.4	Manufacture of envelopes and letter-card
0.2	-6.5	-11.8	-15.3	-22.2	-19.2	-9.5	4.6	-5.5	-5.8	22.5	12.7	4.8	4.9	11.4	19.1	20.4	33.1	Manufacture of household and personal hygiene paper
-18.8	-26.1	-25.7	-20.5	-24.1	-22.6	-23.5	-8.3	-13.0	9.4	5.1	2.8	44.8	25.9	34.9	27.1	27.8	27.2	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
21.2	18.6	3.6	5.0	17.6	14.8	11.1	11.7	16.2	17.5	44.5	9.6	3.1	1.2	0.05	4.0	2.4	2.0	Other industry
-12.8	1.0	0.8	3.1	1.4	2.0	4.7	1.7	2.5	7.6	169.9	49.2	-20.1	-21.7	-13.3	-10.2	-9.7	9.8	Printing, service activities related to printing and reproduction of recorded media
-9.8	3.3	1.5	4.6	2.5	3.4	3.7	-4.5	-2.8	0.5	156.1	43.6	-21.0	-19.5	-8.2	-5.4	-6.3	9.9	Printing
-25.4	-8.4	-1.9	-2.9	-2.6	-3.7	8.8	28.0	24.1	42.8	233.3	71.3	-15.8	-31.6	-35.2	-30.6	-24.1	9.2	Service activities related to printing
																		Reproduction of recorded media
-25.0	-25.5	-18.5	-21.6	-25.5	-20.2	-17.4	-21.2	-16.8	-14.1	46.8	70.9	63.3	75.7	60.8	64.2	64.8	69.1	Manufacture of refined petroleum products
-20.0	-20.9	-21.5	-18.8	-19.7	-14.5	-0.7	-0.3	4.2	1.6	6.9	8.1	15.0	20.2	23.7	11.1	15.4	12.4	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-51.1	-77.9	-79.6	-76.6	-81.8	-75.8	-19.6	-23.7	-17.0	-54.4	167.2	72.9	59.6	215.5	116.8	5.5	36.4	20.1	Manufacture of liquefied or compressed inorganic industrial or medical gases
-21.1	-22.6	-22.3	-21.7	-21.3	-16.1	-1.4	0.01	6.24	11.61	-3.60	6.48	13.22	24.3	30.3	13.7	10.4	7.7	Manufacture of basic organic chemicals
-17.6	-30.6	-28.8	-31.1	-37.8	-29.2	-16.3	-19.8	-14.7	-5.0	32.9	26.6	1.4	-3.3	0.7	3.1	62.7	50.0	Manufacture of inorganic compounds
-14.3	-4.9	-7.0	0.1	-1.7	0.7	6.9	5.6	7.5	-1.0	6.4	-0.7	15.0	6.8	8.2	3.4	13.2	10.5	Manufacture of fertilizers
-14.4	-15.3	-12.3	-6.0	1.5	11.3	9.0	24.2	20.6	3.3	30.3	30.5	25.4	43.8	70.8	59.6	23.4	32.8	Manufacture of associated nitrogen products
-5.4	-6.7	-1.4	-2.7	-1.1	4.2	9.2	5.1	3.3	24.2	93.8	32.4	12.2	-4.1	7.4	26.6	25.3	22.6	Manufacture of other chemical products and man-made fibres
-10.8	-8.8	20.7	-20.6	-10.1	26.5	27.5	24.5	62.1	92.3	100.3	46.6	47.0	26.5	3.1	45.8	61.5	18.0	Manufacture of pesticides and other agrochemical products
-19.5	-18.8	-22.1	-16.4	-14.2	-10.1	-8.5	-14.8	-16.9	17.3	337.6	129.8	29.3	-14.4	34.1	72.9	78.1	67.1	Manufacture of paints, varnishes and similar coatings ink and
-37.9	-47.4	-48.7	-45.6	-48.6	-40.4	-39.2	-40.1	-33.2	-24.9	58.1	11.1	16.5	21.4	22.6	8.9	9.5	8.5	Manufacture of printing ink
16.0	12.4	22.2	24.9	21.7	26.1	34.1	28.2	15.1	35.6	66.1	2.7	1.8	-10.2	-0.2	17.8	5.8	10.6	Manufacture of soap and detergents, cleaning and polishing preparations
-10.4	-12.0	-7.7	-8.2	-3.2	-2.9	4.4	3.9	4.1	9.5	33.6	18.0	3.0	-1.1	-3.0	-4.3	4.9	6.3	Manufacture of perfumes and toilet preparations
-26.4	-3.7	-4.9	-16.4	-4.5	-17.4	-11.3	-10.4	-1.2	34.3	138.8	98.1	41.2	35.7	10.3	38.7	-1.0	5.3	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
31.5	20.7	22.6	22.9	12.7	10.0	15.3	16.7	20.5	21.9	16.2	7.8	13.9	10.4	12.3	19.0	21.7	22.1	Manufacture of pharmaceuticals, medicinal chemical and botanical products
24.6	12.6	16.4	15.9	9.4	8.2	15.0	18.8	18.2	22.5	17.8	14.0	26.9	22.8	18.5	28.6	23.9	22.5	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
61.4	57.8	51.4	54.0	28.2	18.7	16.7	6.8	32.8	19.2	8.2	-19.3	-29.4	-29.3	-9.9	-12.7	12.5	20.5	Other industry
54.7	57.4	55.4	70.7	86.2	84.3	79.7	95.6	87.4	93.4	86.3	73.0	66.0	49.2	5.6	-1.4	-11.3	-11.9	Manufacture of rubber products
28.4	11.8	17.8	27.3	24.2	28.7	22.6	8.3	12.0	118.0	104.3	-14.3	-44.7	191.8	10.5	1.5	63.2	12.3	Manufacture of rubber tyres for vehicles
155.8	119.0	29.3	57.6	22.0	50.1	46.5	60.2	23.4	85.7	124.8	-27.2	-64.5	-62.3	-10.7	-13.0	17.4	17.7	Manufacture of interchangeable tyre treads and retreading rubber tyres
26.9	17.2	-6.8	-4.2	3.0	4.8	9.3	5.3	13.9	55.7	22.0	-2.5	-18.5	-34.5	-27.3	-22.9	-21.5	-21.9	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
72.5	84.8	89.3	111.3	138.9	127.5	116.2	145.7	130.1	99.4	95.6	101.4	114.3	64.1	12.2	2.1	-18.6	-14.4	Rubber remilling and latex processing
29.0	32.5	41.0	47.6	38.6	57.6	59.9	55.0	50.6	73.6	78.8	46.2	22.9	2.7	2.2	0.1	10.1	2.3	Manufacture of rubber gloves
9.2	5.3	5.1	6.7	3.8	4.3	7.2	11.2	12.6	33.3	50.0	31.0	16.9	14.6	20.6	19.0	16.5	16.8	Manufacture of other rubber products n.e.c.
24.4	15.5	16.0	18.4	14.9	11.2	17.1	22.9	20.9	36.7	41.0	22.3	21.2	22.9	16.8	15.9	12.1	13.8	Manufacture of plastics products
5.1	-3.5	-2.7	4.1	9.7	11.9	13.2	14.2	22.5	40.2	58.4	37.3	11.6	26.6	32.7	21.3	25.4	30.5	Manufacture of semi-manufactures of plastic products
-4.1	0.8	-2.2	26.9	9.9	11.9	1.0	9.8	8.6	57.2	87.8	92.6	71.8	57.8	69.9	77.9	65.2	67.9	Manufacture of finished plastic products
44.7	67.5	38.0	14.7	30.6	40.4	16.2	44.1	14.1	62.6	119.6	95.7	27.0	-13.2	53.6	92.5	68.2	47.6	Manufacture of plastic articles for the packing of goods
-3.5	-4.2	-1.0	-2.5	-11.7	-10.1	-4.5	-4.8	-0.3	19.4	39.7	22.2	11.2	1.2	4.2	2.8	-0.5	-0.8	Manufacture of builders' plastics ware
-57.8	-37.3	-35.2	-37.2	-33.9	-29.3	-22.7	-18.7	-20.4	-30.9	172.6	94.1	22.4	-33.1	-40.6	-22.3	-27.1	-17.1	Manufacture of plastic tableware, kitchenware and toilet articles
																		Manufacture of diverse plastic products n.e.c.

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020					2021			2020	2021					
		2020	Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-16.7	-1.7	-50.1	-9.7	-5.0	7.6	64.1	-14.9	-18.1	9.8	3.8	4.2	-12.4	-78.2	-51.3
23911 &	Pembuatan mortar refraktori dan konkrit	-23.5	-6.7	-53.8	-21.7	-12.4	21.4	69.9	-40.0	-25.4	8.3	-0.02	4.0	-22.7	-66.7	-51.5
23921	Pembuatan seramik bukan refraktori	-23.9	-19.2	-42.2	-22.4	-10.9	27.1	66.8	25.3	-25.9	37.0	-11.0	0.8	-45.4	-54.3	-43.6
23930	Pembuatan produk porselin dan seramik lain	-12.4	-2.4	-49.8	0.2	0.9	15.7	80.0	-32.2	-13.8	5.9	-4.0	0.3	-3.2	-86.7	-53.1
23941	Pembuatan simen hidrolik	-34.1	-10.4	-67.4	-31.9	-25.3	-17.1	83.9	1.5	-35.3	11.4	-8.3	-8.1	-14.5	-91.4	-69.4
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-6.1	9.3	-39.7	0.2	6.2	8.1	46.8	-13.6	-7.4	6.0	22.3	17.9	-11.1	-71.1	-39.3
23952 &	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;															
23953 &	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan															
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	-20.2	-5.8	-49.2	-14.9	-9.4	27.7	78.1	12.5	-21.5	29.4	-6.3	0.2	-11.1	-69.1	-51.5
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	-16.3	-14.0	-42.1	1.5	-9.3	18.3	35.9	-20.9	-17.7	10.5	-3.6	-5.0	-33.2	-62.7	-51.0
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-12.2	5.5	-48.3	-8.5	-1.8	-4.2	56.4	-7.2	-13.2	8.4	8.6	1.5	6.6	-73.5	-64.4
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-11.8	2.7	-45.3	-10.3	3.1	6.8	47.0	-13.6	-13.0	7.0	-0.03	16.1	-6.7	-68.3	-56.4
243	Pengacuan logam	-11.5	-4.1	-41.1	4.4	-3.1	-20.5	44.5	-18.8	-12.0	-0.9	-8.9	3.3	-6.7	-68.6	-29.2
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	-18.0	3.9	-44.3	-22.0	-6.1	-0.6	41.6	-0.8	-19.6	10.6	6.9	8.1	-3.1	-66.3	-33.1
25113 &	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-19.6	3.5	-48.0	-22.8	-7.1	-0.7	40.7	0.5	-21.4	10.1	4.3	9.8	-2.9	-68.2	-37.5
25119	Pembuatan produk struktur logam lain	-12.0	7.3	-32.2	-19.5	-1.3	3.4	49.5	1.4	-13.1	17.4	17.6	7.5	-2.7	-59.1	-18.3
25120	Pembuatan tangki, takungan dan kontena daripada logam	-23.5	-6.9	-44.0	-24.3	-18.3	-23.6	4.7	-35.3	-24.2	-21.1	-0.6	-10.9	-9.0	-70.2	-32.7
	Industri lain															
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	-13.7	-1.3	-34.2	-11.7	-6.8	0.1	29.3	-15.4	-14.7	4.0	2.9	3.5	-9.8	-51.6	-30.5
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-27.1	7.7	-49.3	-36.3	-27.9	-14.6	57.6	20.4	-28.3	18.1	13.6	14.1	-4.4	-55.5	-51.0
25920	Rawatan dan penyalutan logam; menggunakan mesin	-12.6	-0.4	-29.6	-11.6	-9.3	32.4	58.5	6.8	-13.5	34.9	4.0	8.9	-13.7	-55.7	-12.4
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-16.5	-7.7	-24.8	-16.0	-17.6	-16.7	-8.5	-14.7	-16.5	-11.8	-3.4	-1.5	-17.2	-23.9	-31.7
25992 &	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	-12.7	-1.6	-42.1	-7.5	1.9	7.9	38.6	-31.4	-14.3	0.7	3.0	2.4	-9.6	-68.9	-35.2
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	-28.7	3.2	-52.7	-33.9	-29.1	13.2	156.2	43.5	-29.2	53.2	6.6	16.9	-13.4	-57.9	-52.3
25994	Pembuatan barangan rumah daripada logam	-2.1	1.7	-19.4	1.9	7.8	1.5	32.9	-14.4	-3.3	5.3	3.3	3.6	-1.6	-44.6	-9.2
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	-9.1	-12.8	-25.0	14.8	-6.2	17.5	37.1	18.8	-8.8	25.9	-8.4	-9.6	-20.7	-45.7	-18.5
	Industri lain															
261	Pembuatan komponen dan papan elektronik	2.2	4.7	-13.2	11.0	5.7	13.8	25.6	15.9	2.0	18.8	9.2	9.4	-4.0	-37.6	-13.8
26101 &	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	2.9	4.8	-12.5	13.6	5.9	10.5	22.4	12.3	2.9	16.2	11.7	7.0	-4.0	-34.7	-12.8
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro															
26103 &	Pembuatan kapasitor dan perintang elektrik	-0.8	4.6	-16.2	5.1	2.5	16.9	30.2	22.2	-1.0	22.6	5.1	13.6	-3.9	-42.9	-17.8
26104 &	Pembuatan papan litar bercetak															
26105	Pembuatan komponen paparan	32.3	4.2	18.9	48.7	53.8	45.2	31.0	4.8	30.1	21.9	16.3	2.1	-5.2	-25.2	22.0
26109	Pembuatan komponen lain untuk aplikasi elektronik															
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-4.6	-3.4	-20.1	-0.8	5.1	7.9	48.5	-27.3	-5.8	4.4	-1.8	3.5	-11.4	-32.3	-29.3
263/ 26300	Pembuatan peralatan komunikasi	-2.0	-0.7	-7.1	-4.7	5.2	1.1	-13.1	-34.6	-2.7	-15.3	-9.3	10.9	-0.5	-33.9	0.6
264/ 26400	Pembuatan peralatan elektronik pengguna	-10.4	-5.3	-37.1	1.6	-4.8	10.0	53.1	-20.8	-11.3	8.2	-7.0	1.4	-9.5	-63.1	-56.4
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	9.8	0.04	-3.9	23.7	18.4	14.7	-0.2	-6.5	8.7	5.7	22.8	-8.9	-12.2	-39.0	-2.5
26511 &	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	11.4	2.0	-1.3	25.9	18.2	12.8	-5.1	-8.3	10.6	2.4	28.8	-8.2	-12.0	-38.5	1.9
26512	Pembuatan kelengkapan kawalan proses perindustrian	-2.5	-13.1	-23.7	7.3	19.9	29.4	49.0	9.6	-4.8	33.7	-11.8	-14.1	-13.5	-42.9	-34.2
26520	Pembuatan jam tangan dan jam dan bahagiannya															
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-1.2	-7.0	-12.3	9.2	5.4	27.8	58.4	28.5	-2.3	31.6	-13.2	-7.0	-0.3	-31.0	-16.5

2020							2021											Group Description/Period				
Jun	Jul	Ogo	Sep	Okt	Nov	Dis	Jan	Feb	Mac	Apr	Mei	Jun	Jul	Ogo	Sep	Okt	Nov					
-20.1	-10.9	-10.5	-7.7	-7.1	-5.7	-2.3	3.7	2.5	17.7	324.7	72.5	-13.8	-22.4	-12.9	-9.5	1.5	8.4	Manufacture of non-metallic mineral products n.e.c.				
																		Manufacture of refractory mortars and concretes				
-43.0	-25.8	-23.4	-15.4	-15.3	-18.0	-4.2	15.9	10.8	41.1	163.3	79.7	5.4	-56.9	-37.4	-26.6	2.3	5.1	Manufacture of non-refractory ceramic				
-27.0	-32.1	-17.4	-17.3	-16.1	-15.7	-0.7	10.1	12.2	79.9	112.5	75.8	26.4	19.5	22.1	33.4	35.3	36.2	Manufacture of other porcelain and ceramic products				
-11.2	0.0	1.9	-1.3	1.6	-0.4	1.6	13.3	18.2	15.8	718.2	108.4	-26.0	-34.7	-31.2	-30.8	-8.9	2.1	Manufacture of hydraulic cement				
-39.4	-32.6	-31.4	-31.7	-32.4	-22.7	-21.0	-14.3	-21.1	-15.7	627.6	105.3	-11.2	-17.3	-0.2	22.4	29.9	27.9	Manufacture of ready-mix and dry-mix concrete and mortars				
																		Manufacture of precast concrete, cement or artificial stone articles for use in construction				
-8.8	-1.3	-3.0	5.0	4.9	6.2	7.4	-0.7	1.8	27.6	254.2	42.7	-15.6	-18.5	-9.4	-13.1	-7.3	-0.4	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone				
																		Manufacture of other articles of concrete, cement and plaster n.e.c.				
-24.9	-15.8	-19.5	-9.0	-8.8	-13.5	-6.0	36.7	14.0	33.5	206.8	83.7	16.3	11.7	16.7	9.4	8.9	19.4	Manufacture of other non-metallic mineral products n.e.c.				
-11.6	8.1	8.4	-11.9	-11.3	-15.5	-0.8	1.9	4.9	60.7	168.3	50.8	-30.7	-42.8	-22.4	7.4	16.3	33.3	Other industry				
-7.7	-9.8	-9.9	3.1	1.0	-4.8	-1.6	3.2	-8.2	-7.8	286.1	120.7	-32.5	-36.9	-2.6	14.4	12.9	16.8	Manufacture of basic iron and steel				
-12.3	-13.7	-10.0	0.8	4.5	4.0	0.7	-3.7	4.3	22.7	219.6	82.3	-29.9	-36.0	-8.2	0.9	3.3	4.4	Manufacture of basic precious and other non-ferrous metals				
-23.0	2.7	-0.2	11.0	2.6	-7.2	-4.8	-14.6	-29.7	-16.3	211.5	36.0	-22.8	-41.7	-8.9	-5.2	9.2	26.8	Casting of metals				
-32.8	-21.5	-21.6	-23.0	-11.7	-6.4	-0.7	-2.7	-1.1	2.1	159.3	25.9	-3.8	-16.8	-0.4	15.0	14.6	12.6	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition				
-37.4	-23.4	-22.5	-22.4	-11.8	-9.8	-0.01	-2.7	0.0	1.1	165.7	28.2	-13.3	-14.4	-3.2	19.4	12.2	10.0	Manufacture of metal doors, windows and their frames, shutters and gates				
-18.9	-14.7	-18.7	-24.6	-9.8	6.3	0.2	-0.3	1.8	9.2	148.1	25.1	23.5	-19.7	13.8	10.2	28.2	24.1	Manufacture of other structural metal products				
-29.2	-26.0	-22.9	-24.1	-21.3	-17.0	-16.6	-15.5	-36.3	-19.5	119.2	-6.9	-32.0	-39.0	-37.6	-29.2	-28.0	-19.2	Manufacture of tanks, reservoirs and containers of metal				
-19.5	-15.3	-11.7	-8.0	-9.3	-8.3	-2.9	-1.2	-2.8	4.7	103.8	30.0	-19.0	-25.9	-18.9	-1.9	8.2	11.2	Manufacture of other fabricated metal products; metal working service activities				
-40.7	-43.3	-33.7	-31.5	-35.2	-34.8	-14.6	-19.2	-20.8	-2.2	88.7	74.3	18.0	24.1	8.4	29.3	38.8	48.7	Forging, pressing, stamping and roll-forming of metal; powder metallurgy				
-18.7	-11.8	-11.6	-11.4	-14.1	-10.2	-3.7	16.6	25.4	60.2	190.4	30.6	11.8	-12.5	9.4	23.3	52.7	55.5	Treatment and coating of metals; machining				
-18.7	-19.4	-17.0	-11.2	-17.2	-18.8	-16.7	-14.5	-20.2	-15.4	-4.8	-4.1	-16.0	-25.7	-15.9	-2.8	-5.5	-1.5	Manufacture of tins and cans for food products, collapsible tubes and boxes				
																		Manufacture of metal cable, plaited bands and similar articles				
-20.0	-11.3	-7.6	-3.3	0.5	0.1	4.8	9.1	5.9	8.8	193.8	46.3	-34.5	-44.2	-34.7	-15.7	-0.9	1.9	Manufacture of bolts, screws, nuts and similar threaded products				
-47.9	-34.7	-35.2	-31.8	-34.2	-29.8	-23.0	-12.2	-17.7	84.2	265.7	206.5	24.3	59.4	39.1	33.5	38.7	52.2	Manufacture of metal household articles				
-3.3	0.2	1.1	4.4	2.5	10.6	10.4	0.6	3.9	-0.1	159.1	15.4	-25.8	-23.2	-19.7	-0.8	7.4	5.8	Manufacture of any other fabricated metal products n.e.c.				
-10.6	14.3	16.8	13.5	1.7	-7.6	-12.0	13.4	-6.7	49.7	117.2	26.8	-2.6	16.6	21.9	17.8	28.0	38.0	Other industry				
11.9	12.5	9.4	10.9	7.5	6.4	3.5	6.2	14.4	21.5	68.7	23.0	3.4	3.4	17.2	27.4	23.3	21.3	Manufacture of electronic components and boards				
10.1	15.6	12.5	12.6	9.3	6.1	2.7	5.0	10.1	17.1	57.3	17.6	5.1	5.9	14.5	16.6	24.3	20.7	Manufacture of diodes, transistors and similar semiconductor devices				
																		Manufacture of electronic integrated circuits micro assemblies				
																		Manufacture of electrical capacitors and resistors				
11.7	6.3	3.0	6.0	2.4	3.5	1.7	6.7	19.1	25.7	86.7	31.5	0.8	0.6	22.6	44.3	22.5	22.6	Manufacture of printed circuit boards				
62.3	48.7	47.0	50.5	46.7	58.7	56.4	30.0	44.9	62.9	90.4	26.6	5.4	-6.2	-1.2	21.4	15.1	16.7	Manufacture of display components				
																		Manufacture of other components for electronic applications				
-1.3	-0.1	-2.5	0.0	-0.9	7.6	9.9	4.7	1.3	18.4	100.6	59.5	9.2	-18.4	-14.7	-47.8	1.6	0.9	Manufacture of computers and peripheral equipment				
13.3	0.8	-8.7	-6.4	-5.3	18.8	5.3	2.1	3.1	-1.7	5.5	-20.3	-18.6	-44.9	-34.7	-23.4	-10.9	-7.0	Manufacture of communication equipment				
11.4	-1.8	3.1	3.6	-5.5	-8.3	-0.5	7.6	12.6	10.0	162.7	109.8	-9.6	-46.4	-9.1	-8.4	6.5	27.9	Manufacture of consumer electronics				
31.0	27.7	27.7	15.4	17.5	17.4	20.0	15.5	13.0	15.3	51.1	-5.5	-20.9	-25.0	-9.7	18.5	18.8	27.4	Manufacture of measuring, testing, navigating and control equipment; watches and clocks				
33.5	31.5	31.5	14.3	16.8	17.9	19.7	15.2	10.2	12.3	46.1	-10.9	-25.1	-28.3	-11.1	18.9	15.5	20.5	Manufacture of measuring, testing, navigating and control equipment				
9.8	0.05	-0.7	23.9	22.7	14.2	22.3	18.1	32.6	39.6	91.8	54.1	20.5	7.5	4.9	15.5	41.9	79.8	Manufacture of industrial process control equipment				
																		Manufacture of watches and clocks and parts				
13.0	3.2	6.6	18.9	-1.4	7.4	10.9	40.2	22.2	21.4	74.4	38.6	63.8	42.0	12.1	31.3	45.8	-34.2	Manufacture of irradiation, electromedical and electrotherapeutic equipment				

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2020				2021				2020		2021				
			Q1	Q2	Q3	Q4	Q1	Q2	Q3		(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	4.2	-11.9	-13.1	19.1	21.2	24.3	34.6	-12.6	2.6	16.5	-3.0	-2.9	-27.3	-51.3	-15.5	
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-1.1	3.9	-19.5	7.3	3.1	9.3	47.5	6.7	-1.4	19.6	6.9	8.8	-3.5	-45.6	-19.9	
	27101 Pembuatan motor elektrik, penjana dan transformer	12.3	4.6	-6.0	27.0	21.6	16.4	30.4	-1.6	12.3	11.6	6.1	9.8	-1.2	-37.8	-9.4	
	27102 Pembuatan perkakasan pengagihan dan pengawalan	-8.2	3.5	-26.8	-3.0	-6.4	5.6	59.5	12.3	-8.6	24.7	7.3	8.3	-4.8	-50.1	-25.6	
272/ 27200	Pembuatan bateri dan akumulator	14.9	-1.1	32.7	22.8	4.9	-6.2	-13.2	-2.1	17.2	-4.6	0.7	0.5	-5.1	1.3	31.2	
273	Pembuatan pendawaian dan peranti pendawaian	-16.9	-7.9	-38.1	-11.7	-11.8	8.5	79.1	15.4	-17.6	26.8	-10.8	1.1	-12.9	-60.2	-42.3	
	27310 Pembuatan kabel gentian optikal	-11.2	-12.8	-24.7	2.4	-8.8	6.4	31.6	40.2	-12.1	30.9	-5.9	-6.0	-24.6	-42.2	-36.6	
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	-17.8	-7.9	-38.4	-14.5	-12.3	7.9	77.3	12.5	-18.5	24.7	-11.9	0.8	-11.2	-59.8	-42.9	
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-2.8	-5.4	-38.7	67.9	-4.1	19.7	135.2	51.0	-3.2	58.9	6.8	9.6	-30.4	-74.1	-35.0	
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	47.5	4.9	48.9	86.0	44.4	30.5	-7.1	-29.0	48.9	-3.2	7.2	8.2	-0.5	-35.1	18.8	
275/ 27500	Pembuatan perkakasan domestik	-8.1	3.6	-35.5	1.8	-2.8	-5.2	49.7	-4.7	-8.6	8.4	4.6	5.4	0.8	-43.7	-53.5	
279/ 27900	Pembuatan kelengkapan elektrik lain	7.4	-0.7	0.9	11.3	15.9	20.5	34.1	3.5	6.0	16.6	0.1	1.6	-3.8	-45.9	5.6	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-0.3	0.8	-9.8	5.0	2.8	5.7	35.1	6.8	-0.7	16.0	3.9	5.3	-6.1	-36.8	-17.4	
	28120 Pembuatan alat-alat kuasa bendalir																
	& 28130 Pembuatan pam, pemampat, kepala paip dan injap lain	-20.4	4.1	-41.5	-28.4	-14.2	-10.8	87.7	19.8	-21.5	25.9	13.5	2.3	-3.4	-62.1	-41.8	
	28180 Pembuatan alatan tangan yang menggunakan kuasa																
	& dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	11.2	6.4	10.1	17.6	10.4	22.4	44.3	15.7	11.8	27.5	12.9	13.9	-6.5	-40.0	18.2	
	28220 Pembuatan jentera pembentukan logam dan alatan mesin																
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	19.4	1.0	11.5	43.5	22.9	24.8	30.4	0.04	19.9	17.6	0.4	4.8	-2.0	-18.4	-16.9	
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-10.1	2.5	-10.8	-16.8	-13.9	-30.1	-3.0	-7.6	-11.1	-11.2	-3.2	17.9	-5.1	-15.2	-27.7	
		-12.1	-5.8	-32.3	-6.9	-2.9	6.0	55.8	13.1	-13.2	21.5	2.2	-7.9	-10.6	-59.4	-30.6	
291 (29101 & 29102)	Pembuatan kenderaan bermotor	5.6	0.3	-42.1	27.4	26.4	18.0	74.3	-29.9	2.7	6.0	-4.5	9.5	-3.3	-97.9	-52.9	
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	51.9	12.4	58.1	85.8	51.0	50.8	29.3	-26.0	51.3	18.0	18.9	15.8	2.7	-36.1	46.3	
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2.5	-3.1	-13.3	9.8	14.1	24.0	31.4	-22.9	0.4	5.9	3.6	0.2	-13.3	-45.3	-5.9	
301 (30110 & 30120)	Pembinaan kapal dan bot	-20.5	-6.2	-74.8	-18.0	11.3	12.7	353.5	44.1	-22.9	54.6	5.6	-13.0	-10.5	-95.7	-94.8	
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.	-9.3	1.7	-21.1	-8.3	-10.2	-6.1	11.3	-25.1	-9.1	-6.8	1.2	15.2	-9.0	-56.2	-10.9	
	30910 Pembuatan motosikal	-32.1	18.4	-62.1	-47.4	-39.0	-41.4	76.1	-18.3	-32.2	-13.9	12.1	46.8	0.8	-87.5	-57.4	
	30920 Pembuatan basikal dan invalid carriages	26.1	-14.5	6.8	59.9	51.2	71.1	10.1	-28.4	25.2	4.0	-11.1	2.4	-33.8	-49.7	30.1	
	Industri lain	-6.2	-3.9	-3.5	-3.6	-13.0	-0.4	-5.3	-26.0	-5.4	-8.2	-2.1	-1.5	-7.5	-37.0	5.4	
310	Pembuatan perabot	-7.3	3.6	-42.2	4.7	2.2	5.1	33.7	-39.0	-8.2	-6.4	9.9	11.1	-8.1	-91.7	-46.6	
	31001 Pembuatan perabot kayu dan rotan	-7.8	11.1	-46.3	4.0	-1.6	-4.0	19.1	-54.3	-8.3	-21.8	15.9	18.3	1.2	-92.9	-57.4	
	Industri lain	-6.2	-10.7	-33.8	6.0	10.4	26.8	58.0	-9.9	-8.1	24.4	-1.5	-1.9	-27.3	-89.0	-25.8	
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-12.1	7.4	-51.6	-4.3	-0.4	1.8	132.8	-52.2	-13.0	2.6	8.8	14.9	-0.4	-88.3	-58.8	
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	3.5	5.2	-5.7	11.0	3.4	2.7	14.3	-2.0	3.9	6.3	7.8	10.4	-2.4	-33.5	4.0	
	32901 Pembuatan alat tulis	2.6	3.0	-6.1	18.6	-3.6	16.0	35.3	-4.2	3.3	12.8	6.0	4.9	-1.8	-45.7	-0.9	
	Industri lain	3.8	6.0	-5.6	8.9	5.8	-1.4	7.9	-1.3	4.0	4.3	8.3	12.2	-2.6	-29.6	5.6	
323/ 32300	Pembuatan barangan sukan	20.9	-8.6	24.3	49.3	22.6	2.4	-22.5	-51.8	22.8	-28.2	-15.7	0.4	-10.3	-8.6	23.8	
324/ 32400	Pembuatan permainan dan mainan	-31.3	-24.6	-52.5	-25.9	-22.2	-14.2	47.8	-17.8	-32.4	2.8	-9.4	-23.6	-37.8	-92.6	-45.1	
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-11.3	-1.3	-40.1	-2.7	-2.2	0.6	29.8	-24.8	-12.1	-1.2	1.2	0.1	-4.7	-67.5	-56.6	
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	4.1	-34.9	-13.8	47.4	20.1	68.0	13.0	-29.6	3.9	4.5	-44.4	-31.2	-30.3	-48.6	-34.8	
	Industri lain	-17.1	13.1	-49.4	-19.0	-10.9	-16.1	39.8	-22.0	-17.9	-3.9	19.4	13.6	7.0	-74.7	-63.9	
Jumlah Pembuatan		-2.1	2.2	-16.5	2.4	3.0	8.5	33.9	6.4	-2.8	15.4	2.4	7.6	-3.0	-33.0	-20.4	

2020				2021														Group Description/Period			
Jun	Jul	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul	Ogo.	Sep.	Okt.	Nov.				
31.9	15.3	18.9	23.5	17.1	24.9	22.0	22.3	21.5	29.9	128.3	18.5	7.3	-30.0	-15.3	7.6	39.4	28.1	Manufacture of optical instruments, photographic equipment, magnetic and optical media			
7.4	9.9	6.5	5.4	3.8	3.2	2.2	7.8	0.4	20.1	126.1	37.9	14.3	-8.1	10.6	17.8	20.4	25.5	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus			
33.5	30.8	24.3	26.1	28.0	25.2	12.5	16.4	9.9	22.7	96.5	21.5	1.9	-7.4	-1.2	4.3	4.1	8.2	Manufacture of electric motors, generators and transformers			
-5.5	-1.0	-3.2	-4.8	-8.0	-7.4	-3.7	3.3	-4.4	18.6	147.6	48.6	23.0	-8.6	18.9	26.5	31.4	36.8	Manufacture of electricity distribution and control apparatus			
68.4	25.2	28.6	14.5	14.7	8.7	-8.9	-3.1	-17.3	2.3	1.9	-25.2	-13.2	-12.1	1.7	4.9	1.2	13.9	Manufacture of batteries and accumulators			
-10.7	-5.1	-16.7	-12.6	-13.4	-12.6	-9.2	1.1	7.2	19.1	173.6	86.3	30.3	9.0	16.2	21.0	20.5	22.9	Manufacture of wiring and wiring devices			
8.5	-10.3	5.9	11.8	-11.8	-13.2	-0.4	14.8	-7.5	13.2	76.7	43.2	-3.3	56.4	29.0	37.9	51.2	52.3	Manufacture of fibre optic cables			
-11.7	-8.0	-19.6	-15.0	-14.0	-12.7	-9.9	0.6	8.0	16.6	167.9	86.7	28.4	4.9	13.6	19.2	17.5	20.3	Manufacture of other electronic and electric wires and cables			
-2.5	102.8	68.7	41.5	-2.4	-9.5	0.3	2.8	2.4	68.4	412.4	99.4	77.8	57.3	52.9	42.3	60.5	53.4	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material			
169.1	131.0	57.0	64.7	69.1	29.8	32.8	27.2	20.4	44.3	123.5	6.4	-46.5	-61.0	-8.0	1.3	20.5	22.4	Manufacture of electric lighting equipment			
-8.4	-0.8	2.8	3.5	-1.9	-3.3	-3.2	-6.3	-2.6	-6.7	75.0	97.8	8.5	-10.5	-2.9	-0.5	6.6	13.2	Manufacture of domestic appliances			
39.7	2.4	12.5	20.6	7.9	17.9	23.9	22.1	16.3	23.0	150.5	22.1	0.9	-9.0	4.0	15.4	10.2	15.5	Manufacture of other electrical equipment			
24.8	8.0	2.2	4.7	3.7	0.7	4.0	3.7	4.3	9.3	98.8	37.5	1.4	-13.2	16.7	18.9	19.0	20.7	Manufacture of general-purpose and special-purpose machinery			
-20.7	-29.3	-27.4	-28.5	-16.1	-17.6	-8.5	-45.1	1.9	15.2	214.8	88.3	27.1	-27.8	44.1	43.0	40.1	31.0	Manufacture of fluid power equipment			
51.8	31.1	7.5	14.2	14.1	12.6	4.8	18.9	21.2	27.7	173.9	25.1	8.8	7.4	20.2	21.2	32.5	25.6	Manufacture of other pumps, compressors, taps and valves			
76.4	62.2	40.8	28.6	27.7	27.2	14.0	33.5	18.7	22.4	75.3	55.0	-5.8	-41.2	23.5	24.1	22.1	18.2	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives			
8.1	-13.4	-14.7	-21.9	-19.4	-22.6	0.8	-29.2	-34.7	-25.9	4.6	2.6	-11.5	-13.3	-5.9	-3.2	-6.0	10.4	Manufacture of metal-forming machinery and machine tools			
-7.6	-17.9	-9.8	11.3	0.4	-9.0	0.5	1.5	8.3	8.0	173.9	50.2	9.2	4.4	14.4	20.4	15.3	22.3	Manufacture of air-conditioning machines, including for motor vehicles			
20.4	29.1	25.0	28.1	19.5	27.1	32.4	8.5	10.6	38.7	5,886.0	132.3	-43.4	-39.9	-38.1	-10.6	9.3	7.7	Manufacture of other special-purpose machinery n.e.c.			
161.9	107.4	84.5	64.7	47.1	47.8	58.3	38.7	28.1	88.9	313.6	38.2	-43.3	-45.0	-30.5	4.0	53.9	41.2	Other industry			
7.9	4.5	12.8	12.9	3.0	14.2	27.1	7.1	15.1	55.4	149.9	33.2	-22.0	-28.6	-23.4	-15.9	1.4	3.4	Manufacture of motor vehicles			
-34.2	-14.7	-18.9	-19.9	25.3	4.1	5.6	6.8	29.0	5.8	3,010.1	1,743.3	70.5	25.1	53.2	52.5	29.3	29.7	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers			
3.9	-5.3	-12.7	-6.4	-14.2	-6.0	-10.7	-9.7	-16.2	8.5	148.1	-8.8	-29.1	-32.3	-22.9	-20.3	-6.5	0.2	Manufacture of parts and accessories for motor vehicles			
-40.6	-47.3	-48.7	-45.9	-45.5	-40.0	-31.3	-42.6	-50.3	-28.8	530.0	63.0	-14.0	-21.4	-17.8	-15.5	-14.3	1.2	Building of ships and boats			
33.8	67.3	59.2	53.9	65.3	58.1	33.6	69.1	18.3	149.3	231.1	7.7	-57.8	-55.4	-17.9	-12.0	-11.3	-7.0	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c			
22.4	2.8	-11.0	-1.1	-19.7	-5.2	-14.6	-8.1	5.3	2.9	74.0	-34.1	-20.9	-23.9	-27.4	-26.4	-0.1	3.5	Manufacture of other transport equipment n.e.c			
11.4	7.4	3.2	3.6	2.2	1.9	2.6	4.3	2.0	8.9	956.3	54.5	-45.0	-60.8	-38.6	-17.8	-9.8	1.0	Manufacture of motorcycles			
13.6	7.0	3.1	2.2	-0.5	-1.6	-2.7	-4.8	-3.6	-3.6	883.6	63.7	-54.8	-67.0	-52.1	-43.9	-37.5	-22.2	Manufacture of bicycles and invalid carriages			
7.1	8.1	3.5	6.3	7.9	9.0	14.5	24.4	14.2	45.0	1,065.6	44.4	-24.6	-48.9	-12.9	31.5	44.2	44.1	Other industry			
-6.3	-9.4	-4.1	0.8	3.3	-2.2	-2.1	7.3	-3.3	1.1	1,088.1	212.0	-26.3	-70.1	-64.9	-23.4	-14.3	-1.2	Manufacture of furniture			
10.7	15.4	11.1	7.0	4.7	5.7	0.2	-6.9	0.8	16.4	79.5	7.4	-15.4	-8.1	-2.5	4.7	15.1	13.0	Manufacture of wooden and cane furniture			
27.5	33.5	22.1	2.1	-4.5	-1.5	-4.6	4.0	12.9	31.9	148.7	32.8	-10.2	-12.1	2.3	-2.6	4.9	5.3	Other industry			
5.8	10.4	7.9	8.4	7.9	8.2	1.7	-10.1	-2.9	11.0	62.4	-0.2	-17.2	-6.8	-4.0	6.6	18.3	15.4	Manufacture of sports goods			
61.9	52.5	42.2	53.4	40.6	29.0	-0.1	6.1	-9.7	12.0	15.7	-20.7	-48.3	-57.4	-53.4	-44.3	-42.4	-26.8	Manufacture of games and toys			
-19.3	-26.4	-28.3	-22.8	-25.9	-21.5	-18.8	-30.8	-25.8	17.9	1,148.4	53.5	-60.6	-22.9	-36.5	6.0	16.4	17.8	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment			
1.8	-2.4	-1.3	-4.4	-1.3	-3.1	-2.3	-1.4	-0.9	3.8	219.4	52.7	-36.5	-36.6	-29.3	-8.5	1.8	9.8	Repair and maintenance of transport equipment except motorcycles and bicycles			
41.6	85.3	40.3	22.9	33.7	20.8	6.5	113.1	39.4	61.4	153.6	25.7	-43.9	-52.1	-34.2	1.9	-2.5	6.7	Other industry			
-11.9	-27.4	-14.4	-14.6	-13.8	-12.3	-6.1	-22.8	-11.5	-13.4	270.1	69.1	-32.5	-25.3	-26.7	-14.1	4.2	11.4	Total Manufacturing			

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021				2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Jan.	Feb.	Mac	Apr.	Mei	Jun	
101	Pemprosesan dan pengawetan daging	-5.0	42.8	-4.3	-2.6	-1.7	0.6	9.6	2.4	-4.1	15.4	24.2	8.3	1.9	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.5	-17.7	25.8	-1.6	2.5	-3.9	-10.4	-0.3	-3.9	-4.9	-24.5	15.4	10.4	
	10201 Pengetinan ikan, krustasea dan moluska &														
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-1.0	-17.3	25.2	-0.9	1.9	-3.5	-11.0	-0.2	-3.9	-4.4	-24.3	15.7	9.7	
	Industri lain	-11.0	-25.6	37.5	-14.8	15.1	-12.7	2.4	-1.5	-3.4	-13.9	-27.9	9.1	26.3	
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	-0.9	2.0	24.0	-5.6	8.7	-12.0	-17.3	11.6	-2.5	-20.9	-23.1	52.0	45.0	
	10303 Pengetinan nanas &														
	10304 Pembuatan jem, marmalad dan sajian jeli	64.9	-31.6	-4.6	10.0	44.8	-27.4	-8.6	31.5	40.0	-12.2	-37.0	7.4	5.2	
	Industri lain	-14.4	15.3	30.7	-8.3	1.3	-7.4	-19.4	7.2	-14.1	-24.8	-15.9	69.3	54.8	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-21.8	47.2	1.2	-1.2	-23.6	47.8	0.1	-13.7	-3.8	-5.1	44.5	4.1	12.1	
	10404 Pembuatan minyak sayuran mentah dan bertapis &														
	10406 Pembuatan sebatian lemak masakan	-7.6	-6.9	11.6	10.2	-1.0	15.4	8.7	-1.6	-12.5	10.4	-15.5	10.0	3.7	
	10405 Pembuatan minyak kelapa	11.9	-19.9	22.3	16.6	-2.9	-29.2	-4.9	10.3	10.3	-3.2	-27.6	-4.4	39.1	
	Industri lain	-23.7	55.7	0.1	-2.4	-26.3	53.5	-0.8	-15.4	-2.7	-7.1	54.7	3.6	12.6	
105	Pembuatan produk tenusu	8.0	-4.2	10.4	-3.5	1.7	4.4	-0.4	9.6	0.1	2.8	-18.4	15.6	12.5	
	10502 Pembuatan susu pekat, tepung dan sejat	10.5	-3.8	10.1	-4.6	1.4	5.4	-0.003	9.8	1.1	3.7	-19.6	17.1	12.7	
	Industri lain	-16.6	-9.1	15.9	9.9	5.0	-6.0	-5.4	7.3	-12.0	-9.3	0.4	-3.2	10.4	
106	Pembuatan produk bijian, kanji dan produk berkanji	8.8	-5.6	-3.4	0.3	13.4	10.2	-4.2	4.1	-1.1	4.2	-0.6	-12.6	4.1	
	10611 Pengilangan beras	21.8	-1.0	-14.3	-4.2	10.2	33.2	-4.4	-3.6	19.1	11.9	3.4	-22.4	-2.6	
	10613 Pengilangan tepung	0.1	-9.6	7.5	3.7	16.2	-4.0	-4.3	10.1	-15.1	-3.1	-4.4	-1.9	11.2	
	Industri lain	0.3	-6.8	-4.8	1.9	7.0	-10.7	0.9	4.7	2.6	3.6	-7.1	-2.0	-4.4	
107	Pembuatan produk makanan lain	-1.0	8.5	1.9	0.7	9.6	-1.8	-1.8	0.5	4.5	-9.2	6.6	3.9	13.1	
	10711 Pembuatan biskut dan cookies	-15.5	-1.6	13.1	11.3	-7.3	-7.5	-10.8	-21.1	8.7	1.9	-12.8	4.8	15.1	
	10712 Pembuatan roti, kek dan produk bakeri lain	5.7	38.0	-0.9	-13.6	14.9	-0.4	-2.2	6.8	-0.02	-6.5	51.0	-13.1	14.9	
	10713 Pembuatan produk snek	-6.0	-0.6	-3.3	0.9	-0.6	-1.8	-8.6	-7.1	2.8	-8.9	1.8	0.2	8.8	
	10721 Pembuatan gula	3.1	-18.0	2.5	12.6	15.2	-6.1	2.5	-2.1	25.8	-21.2	-17.6	0.2	25.9	
	10731 Pembuatan produk koko	-6.9	-2.2	-3.6	5.8	-1.6	-10.3	-4.7	0.8	1.5	-6.6	5.7	-3.9	-3.0	
	10732 Pembuatan coklat dan produk coklat &														
	10733 Pembuatan konfeksi gula	-2.1	19.4	5.5	7.3	10.2	3.3	-4.1	1.7	0.2	-9.0	-1.0	31.2	17.5	
	10793 Pembuatan sos dan bahan perasa	-13.9	-16.8	14.6	4.3	8.4	-2.4	-6.6	-2.9	-5.4	-19.3	-7.9	6.0	8.3	
	10799 Pembuatan produk makanan lain t.t.t.l.	4.7	8.1	-7.5	6.6	10.6	-0.9	9.4	1.3	10.7	-10.9	-15.1	43.6	8.7	
	Industri lain	0.3	-5.7	6.3	-0.5	11.3	-4.1	0.1	3.2	2.8	-4.3	-3.5	-4.8	9.3	
108/ 10800	Pembuatan makanan haiwan tersedia	1.3	-15.4	-14.7	-3.9	5.3	35.7	4.4	0.8	-0.7	-0.4	-0.3	-21.9	-0.6	
110	Pembuatan minuman ringan	-3.8	-54.5	74.5	6.4	16.2	-22.7	-2.1	2.6	-5.4	-5.8	-62.4	20.5	36.5	
	11041 Pembuatan minuman ringan	-10.9	-43.1	40.6	5.8	19.2	-13.7	17.4	-9.2	-0.8	-8.0	-40.2	-6.0	15.9	
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-8.7	-30.1	65.4	-7.1	13.7	-7.3	8.5	5.4	-10.6	-16.8	-55.1	114.6	10.7	
	Industri lain	8.5	-74.5	176.4	12.2	12.7	-40.5	-48.0	21.2	-9.7	-0.1	-91.5	154.4	125.2	
120/ 12000	Pembuatan produk tembakau	-3.2	-80.5	407.7	6.7	-2.4	-38.9	-55.2	-10.7	-5.4	12.2	-98.2	444.8	356.2	
131	Pemintalan, penenunan dan penyiapan tekstil	-1.5	-43.0	47.1	16.7	0.6	4.7	-18.4	2.5	-1.7	-7.3	-63.2	66.8	35.4	
	13110 Penyediaan dan pemintalan gentian tekstil &														
	13120 Penenunan tekstil	2.6	-47.6	42.8	22.3	3.1	10.0	-27.9	5.0	-1.9	-8.3	-68.2	82.1	34.6	
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-12.8	-24.8	54.6	4.0	-5.4	-11.0	14.1	-4.6	-1.7	-2.9	-44.3	35.0	33.8	
	Industri lain	-23.0	-72.4	220.5	1.6	-24.8	-4.3	67.1	-19.8	9.2	-22.1	-98.6	993.0	405.2	
139	Pembuatan tekstil lain	-6.3	-25.7	36.9	8.2	3.7	1.1	15.7	-3.8	0.7	-9.0	-56.5	109.2	12.9	
	13910 Pembuatan fabrik dikait dan dikrusye	-13.3	-16.7	29.4	5.3	0.4	-3.0	7.1	-10.4	-2.0	-9.8	-57.2	158.5	5.4	
	Industri lain	2.7	-35.5	47.5	11.8	7.6	5.6	24.2	5.2	3.8	-8.1	-55.8	58.4	25.7	
141	Pembuatan pakaian, kecuali pakaian berbulu	-8.2	-31.6	33.2	13.3	-4.3	-14.3	3.4	-1.6	-3.9	-5.3	-49.2	40.8	30.4	
	14102 Pembuatan pakaian	-7.6	-26.6	30.3	8.7	-4.5	-12.4	5.9	-3.1	-2.7	-5.0	-45.0	37.3	31.8	
	Industri lain	-12.1	-64.9	74.3	60.4	-3.2	-27.1	-17.9	8.6	-11.4	-7.5	-78.2	102.7	13.1	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-22.5	-8.5	35.1	1.2	-1.0	-7.5	-25.3	-16.1	9.2	-17.3	-44.6	112.6	10.3	
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-0.4	-33.2	33.3	8.7	4.5	-28.0	-8.7	2.8	-5.2	6.6	-74.1	180.9	33.5	
152	Pembuatan kasut	-11.3	-57.7	90.9	21.9	7.5	-31.7	-17.9	-0.9	-4.7	-15.7	-85.5	117.4	215.6	
	15201 Pembuatan kasut kulit &														
	15203 Pembuatan kasut getah	-16.9	-53.1	81.1	18.5	7.3	-36.8	-19.2	-4.9	-6.0	-16.6	-79.2	105.4	133.1	
	Industri lain	-1.5	-64.5	110.1	27.5	7.9	-23.7	-16.2	5.9	-2.7	-14.3	-94.6	183.2	546.5	
161/ 16100	Pengilangan dan pengetaman kayu	4.6	-61.4	143.3	11.2	1.3	-35.9	8.9	1.9	-4.3	-1.5	-93.2	87.7	680.5	

2021																	Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
-7.7	-0.8	0.7	-4.2	8.0	-11.0	9.4	-7.5	-0.8	-0.9	6.4	1.8	-2.3	14.0	-1.7	-2.8	7.7	Processing and preserving of meat
11.4	1.4	0.9	-2.6	-3.4	7.0	2.3	-7.0	5.0	-1.9	-7.2	6.3	-12.3	2.0	-2.0	7.0	1.4	Processing and preserving of fish, crustaceans and molluscs
																	Canning of fish, crustaceans and molluscs
11.2	1.5	1.0	-2.4	-2.8	7.0	1.6	-7.3	5.3	-1.4	-7.5	6.5	-12.9	2.0	-2.3	6.5	1.8	Processing, curing and preserving of fish, crustacean and molluscs
15.9	-0.4	-0.7	-6.4	-15.6	7.0	19.1	-2.7	-0.7	-10.9	-1.0	0.1	-0.3	3.0	3.0	16.9	-5.0	Other industry
-8.9	-5.4	2.7	-1.4	-6.6	0.7	12.7	-3.7	2.3	-1.7	-14.6	-3.3	-8.9	-3.5	1.5	6.5	6.4	Processing and preserving of fruits and vegetable
																	Pineapple canning
-8.5	0.7	-5.5	1.5	3.9	28.2	6.8	31.4	-15.1	-3.6	-30.0	-12.4	5.3	15.1	-2.3	-0.2	10.3	Manufacture of jams, marmalades and table jellies
-8.9	-6.5	4.2	-1.9	-8.4	-4.6	14.2	-12.2	8.6	-1.2	-10.4	-1.3	-11.6	-7.8	2.6	8.3	5.5	Other industry
-12.4	0.9	15.5	0.2	-14.5	-2.9	-15.6	-2.5	-2.4	44.8	0.6	12.6	-12.9	-0.2	18.9	-3.3	-2.5	Manufacture of vegetable and animal oils and fats
																	Manufacture of crude and refined vegetable oil
4.6	1.0	1.0	12.6	-4.9	0.3	-0.9	-1.6	7.6	10.3	0.3	0.03	1.8	-0.4	21.0	-20.7	-2.7	Manufacture of compound cooking fats
0.5	0.2	0.2	12.1	3.5	4.2	-2.3	-5.7	-1.6	-21.6	9.6	-36.3	21.7	8.3	-3.7	34.6	5.0	Manufacture of coconut oil
-13.9	0.9	17.1	-1.0	-15.6	-3.4	-17.4	-2.6	-3.8	51.0	0.6	14.4	-14.5	-0.3	18.8	-1.5	-2.5	Other industry
0.3	0.6	-8.7	7.8	-5.3	-4.8	7.3	-1.5	2.5	3.4	-2.7	5.3	-9.5	11.1	-0.5	2.5	1.7	Manufacture of dairy products
-0.02	0.6	-10.0	8.2	-5.9	-4.9	7.5	-1.9	2.7	4.0	-2.6	5.8	-9.6	11.8	-1.1	2.7	2.0	Manufacture of condensed, powdered and evaporated milk
5.6	0.6	10.4	2.4	2.6	-3.9	5.2	2.5	-0.1	-4.1	-3.6	-1.1	-7.6	2.4	8.3	0.1	-2.3	Other industry
-2.4	0.7	1.5	3.4	-6.5	0.4	11.2	2.2	7.4	6.9	-7.0	7.5	-9.8	0.5	10.4	5.4	-5.4	Manufacture of grain mill products, starches and starch products
-5.6	0.6	2.7	2.3	-9.2	-6.5	13.7	6.2	2.5	29.3	-3.5	5.5	-12.6	1.0	18.3	5.6	-13.7	Rice milling
0.3	0.8	0.2	4.7	-5.0	6.1	10.0	-1.0	12.2	-7.1	-10.0	9.4	-7.1	-0.8	3.3	5.7	2.1	Flour milling
-3.3	0.5	5.4	-1.2	1.8	-5.3	6.1	10.2	-7.8	-3.9	-10.9	8.0	-10.6	12.3	8.8	-0.4	10.4	Other industry
-6.7	2.1	-5.1	2.9	0.2	1.2	4.9	5.4	-0.2	-0.8	-7.4	7.6	-5.2	-0.2	4.1	4.7	-2.8	Manufacture of other food products
0.7	0.8	1.2	0.9	10.3	6.5	-13.8	-4.7	9.8	18.4	-37.4	-1.9	5.3	1.2	6.6	22.4	17.6	Manufacture of biscuits and cookies
-0.8	1.2	-15.5	-0.4	-4.2	-1.2	7.9	28.1	-22.9	3.4	4.1	10.4	-8.7	2.7	-7.8	-0.4	-5.6	Manufacture of bread, cakes and other bakery products
-8.8	0.6	-0.4	1.6	-1.3	0.7	-1.0	-2.7	6.4	4.7	-13.3	-0.7	-14.4	8.4	19.8	7.6	0.3	Manufacture of snack products
-12.1	0.7	0.1	10.3	0.2	5.0	2.1	13.8	-0.1	-3.2	-17.9	18.1	-4.1	-6.8	22.7	0.4	-2.0	Manufacture of sugar
0.8	1.0	-5.1	15.6	-8.9	1.1	3.6	3.0	-13.8	2.6	-4.8	-3.1	-2.4	2.2	-0.03	7.8	1.4	Manufacture of cocoa products
																	Manufacture of chocolate and chocolate products
-15.1	7.2	-3.6	2.5	6.5	1.2	6.0	-7.7	19.9	-0.4	-9.8	3.9	-2.2	-2.8	2.4	7.7	-8.1	Manufacture of sugar confectionery
7.8	-0.2	-2.3	4.3	0.1	5.0	8.9	-4.1	-3.0	2.6	-1.0	-2.8	-10.2	4.0	10.9	13.1	4.3	Manufacture of sauces and condiments
-21.9	0.8	1.5	0.1	8.1	-0.6	3.5	2.8	8.0	-6.6	-2.1	3.9	3.2	4.0	4.2	3.3	-4.1	Manufacture of other food products n.e.c.
1.1	0.1	1.8	0.8	-4.1	0.9	10.0	-3.2	13.0	-11.2	-7.1	17.9	-8.8	-3.5	10.6	2.7	-0.5	Other industry
-6.0	-0.3	-0.4	-3.2	-0.4	-0.1	-3.7	1.3	25.9	14.9	1.8	0.8	4.5	-1.6	-0.4	-2.3	2.0	Manufacture of prepared animal feeds
19.8	19.5	1.6	-1.0	-3.1	8.2	8.8	0.1	7.0	-4.3	-18.2	-39.2	15.7	36.8	14.9	17.5	-8.7	Manufacture of beverages
17.6	15.9	0.7	-1.4	-3.2	12.7	9.8	0.2	4.0	0.6	-24.0	-1.9	15.9	35.5	-22.5	23.8	-9.4	Manufacture of soft drinks
18.4	12.1	0.5	-7.8	-4.4	-0.8	3.8	13.1	8.2	0.8	-22.1	-4.8	14.6	15.4	-7.6	2.3	-0.7	Production of natural mineral waters and other bottled waters
24.2	28.0	3.3	2.0	-2.6	4.9	8.8	-3.5	11.0	-12.8	-7.3	-99.3	24.1	1,086.7	830.9	13.0	-10.1	Other industry
113.2	-8.3	18.1	-0.6	-8.5	15.7	-9.9	-5.8	16.9	-19.2	-16.5	-69.5	6.8	-30.5	151.9	191.0	-16.1	Manufacture of tobacco products
3.8	4.6	0.1	14.8	-0.7	1.7	-1.4	-1.1	5.3	-0.1	-2.4	10.0	-19.4	-6.3	0.3	12.1	13.1	Spinning, weaving and finishing of textiles
																	Preparation and spinning of textile fibres
0.6	2.6	0.2	14.0	9.0	0.7	-1.4	-0.2	4.1	4.6	1.3	4.8	-26.8	-2.7	-9.6	12.2	28.3	Weaving of textiles
12.1	8.6	0.2	16.8	-22.1	4.8	-0.8	-2.8	8.9	-13.9	-15.8	32.8	5.0	-18.3	29.5	13.1	-15.8	Dyeing, bleaching, printing and finishing of yarns and fabrics
16.2	23.4	-9.3	8.7	-10.1	0.2	-9.1	-25.0	9.6	-0.2	-0.8	2.0	-0.9	119.1	-17.3	-11.2	-7.6	Other industry
1.1	6.7	-0.8	7.6	-5.5	8.5	-0.1	-5.1	11.7	-4.8	-2.3	6.0	9.9	2.3	1.5	5.2	-0.6	Manufacture of other textiles
-1.0	2.3	-1.9	9.8	-10.5	11.1	-4.2	-4.4	13.7	-12.7	1.5	7.9	1.2	-4.0	9.2	7.7	-7.6	Manufacture of knitted and crocheted fabrics
4.1	12.6	0.5	4.9	0.7	5.5	4.6	-5.9	9.6	4.1	-5.8	4.1	19.1	7.9	-4.7	3.0	6.1	Other industry
1.2	-2.2	8.8	8.2	-5.0	9.9	-5.3	-3.0	-4.4	-5.5	-6.5	-3.7	5.6	3.5	1.2	14.1	0.4	Manufacture of wearing apparel, except fur apparel
1.7	-4.2	4.5	8.0	-6.4	11.2	-5.9	-3.1	-3.9	-4.8	-7.5	1.5	7.2	1.5	-1.7	13.1	-1.0	Manufacture of clothings
-5.8	27.9	57.4	9.9	5.1	1.0	-1.0	-2.7	-8.2	-10.8	1.3	-39.8	-13.8	32.8	33.3	22.3	11.1	Other industry
19.5	-22.3	10.6	1.1	-0.4	7.7	-5.3	0.3	-1.6	12.1	1.3	-52.0	24.9	-5.8	19.9	23.1	5.4	Manufacture of articles of fur, knitted and crocheted apparel
																	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
-2.5	-14.0	4.2	6.5	7.5	-0.8	3.7	-4.5	5.9	-14.7	-5.0	-44.6	-3.6	47.8	33.9	24.5	7.9	
-9.9	-1.4	12.8	3.9	3.8	18.5	-0.1	-7.1	0.1	-18.9	-13.3	-16.7	-8.9	11.3	0.4	30.8	2.3	Manufacture of footwear
																	Manufacture of leather footwear
-3.5	-1.4	10.2	6.0	3.6	8.8	3.3	-8.6	9.4	-25.3	-19.8	-17.4	-11.2	16.2	5.6	38.1	4.4	Manufacture of rubber footwear
-19.1	-1.4	17.3	0.5	4.1	34.9	-4.7	-4.8	-13.0	-7.5	-3.8	-15.9	-6.1	5.9	-5.9	20.8	-1.0	Other industry
-5.0	-0.3	6.9	2.5	1.3	9.2	-5.0	-6.9	15.3	-19.9	-25.9	-33.1	12.5	72.8	-5.1	19.6	7.0	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021				2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Jan.	Feb.	Mac	Apr.	Mei	Jun	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-2.3	-71.1	168.1	8.8	5.9	-40.7	14.6	1.4	-5.1	-3.0	-94.1	53.7	723.7	
16211	Pembuatan kepingan venier dan papan lapis	-2.7	-79.3	210.5	7.9	8.3	-42.8	17.2	2.2	-11.6	3.5	-99.8	10.9	29,671.2	
16212	Pembuatan papan partikel dan papan gentian	-1.5	-69.3	224.4	4.0	3.4	-35.0	21.9	-4.7	10.0	-9.9	-99.4	29.4	11,955.5	
16221	Pertukangan kayu untuk jurubina	-3.9	-70.6	195.4	23.3	6.0	-48.0	7.0	3.6	-5.1	-12.3	-92.7	93.2	444.2	
	Industri lain	-0.8	-25.5	24.6	11.2	2.6	-38.2	-8.5	10.2	0.3	-11.9	-43.1	50.3	18.6	
170	Pembuatan kertas dan produk kertas	-2.3	-11.6	19.3	-0.2	5.2	3.3	1.4	-0.8	4.3	2.1	-28.4	18.4	19.9	
17010	Pembuatan pulpa, kertas dan kertas tebal	0.8	-43.1	81.6	7.9	5.4	5.5	3.5	-1.0	8.2	-4.0	-72.2	72.2	98.3	
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-2.5	-1.6	23.2	0.5	-0.7	-0.6	1.7	7.5	-2.1	-0.2	-18.6	25.5	11.8	
17091	Pembuatan sampul surat dan kad surat	-11.7	-4.6	-21.8	0.2	-1.1	-3.9	0.2	-3.8	-12.5	15.6	-25.3	29.3	4.5	
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-4.5	-8.9	1.4	-6.1	12.1	5.8	0.4	-14.4	15.6	13.7	-23.6	-0.9	17.2	
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-4.5	-6.1	-7.0	-8.2	19.8	15.4	1.8	-9.2	12.1	-2.3	-9.3	-0.9	6.0	
	Industri lain	5.4	-3.9	11.0	1.9	5.8	-2.4	-3.3	17.5	-8.0	-1.7	-17.6	31.6	1.0	
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	-1.3	-40.7	69.4	3.6	-0.3	-18.5	0.9	5.5	-4.7	-7.2	-60.2	59.1	37.4	
18110	Percetakan	-0.03	-40.3	68.1	2.9	-5.4	-16.2	9.2	5.9	-5.9	-3.8	-60.6	54.4	43.8	
18120	Aktiviti perkhidmatan berkaitan percetakan														
&															
18200	Penerbitan semula media rakaman	-6.7	-42.5	75.2	7.0	21.3	-26.0	-29.7	3.7	0.4	-20.8	-58.1	80.7	12.4	
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	2.7	-31.9	4.2	8.5	7.1	32.0	8.7	8.7	-15.1	2.0	-23.5	-11.8	3.0	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	0.2	-21.4	4.3	7.6	15.5	-15.0	12.0	2.6	-5.5	6.9	-26.6	1.2	10.4	
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	4.2	-65.1	-34.8	69.2	74.4	-2.4	-26.4	9.5	-11.3	21.3	-79.0	57.9	26.6	
20112	Pembuatan kimia organik asas														
&															
20113	Pembuatan sebatian bukan organik	-5.6	-19.7	3.9	10.7	14.6	-19.9	20.9	-1.1	-6.7	-1.2	-19.5	-0.9	10.6	
20121	Pembuatan baja														
&															
20129	Pembuatan produk campuran nitrogen	1.5	-28.2	3.5	-4.7	22.5	-1.3	-13.0	6.3	1.6	-5.2	-28.9	-4.3	21.7	
20131	Pembuatan plastik dalam bentuk primer	8.4	-15.7	8.4	2.8	10.3	-13.0	7.5	7.5	-5.2	19.5	-27.2	3.8	7.2	
	Industri lain	13.6	-10.7	0.8	4.9	21.8	-0.1	23.8	1.7	5.2	21.6	-20.3	-7.3	7.1	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	-0.03	-24.3	35.2	1.6	6.3	-4.5	6.6	7.6	-0.7	-6.4	-40.7	37.6	19.2	
20210	Pembuatan racun perosak dan produk agrokimia lain	-16.0	-10.7	38.2	10.5	13.7	-6.5	4.6	5.7	-26.1	-8.1	-7.7	16.4	10.4	
20221	Pembuatan cat, varnis dan penyadur dan mastik	8.5	-54.5	68.8	6.8	15.3	5.5	0.9	12.3	1.0	-7.9	-73.3	76.0	49.3	
20222	Pembuatan dakwat cetak	-8.0	-45.5	0.7	13.2	7.6	3.1	-6.2	6.5	-12.5	-6.0	-49.5	25.5	2.1	
20231	Pembuatan sabun dan bahan pencuci, penyediaan														
&	membersih dan mengilat	3.7	-6.0	35.4	-3.7	2.8	-12.7	18.5	8.2	6.6	-6.3	-32.9	54.1	14.3	
20232	Pembuatan pewangi dan penyediaan dandanan diri														
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials														
&															
20292	Pembuatan dakwat menulis dan melukis	-6.1	-11.5	16.4	2.5	0.1	-2.0	-3.3	2.4	-0.2	-3.2	-19.3	11.1	12.6	
&															
20299	Pembuatan produk kimia lain t.t.t.l.														
	Industri lain	-5.3	-40.1	63.0	-3.9	12.1	3.9	14.1	7.5	-6.0	-20.0	-47.0	23.2	47.6	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	1.6	13.5	5.2	-7.2	8.1	6.8	6.4	4.3	2.7	6.8	0.2	3.7	14.8	
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	1.8	10.4	0.9	-2.4	10.2	10.3	3.9	4.8	5.1	3.8	2.2	1.1	8.7	
	Industri lain	0.6	28.1	22.6	-23.3	-1.1	-10.3	21.3	2.3	-8.7	22.3	-9.1	16.8	41.6	
221	Pembuatan produk getah	14.5	29.8	10.0	12.2	20.1	18.1	-26.3	1.1	-3.5	42.9	4.0	-0.8	4.3	
22111	Pembuatan tayar getah untuk kenderaan	-14.3	23.4	22.6	-3.5	-8.4	-13.7	118.9	-1.7	3.2	-44.8	4.0	94.0	28.0	
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	-4.4	86.5	4.5	-25.6	5.7	-10.7	-8.0	-1.7	18.6	-26.5	-16.7	188.9	37.0	
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	-15.4	17.0	7.8	-1.1	-1.8	-6.8	-21.2	-3.1	-9.2	-16.9	12.6	15.8	30.1	
&															
22193	Pengilangan semula getah dan prosesan susu getah														
22192	Pembuatan sarung tangan getah	32.2	35.6	7.1	18.5	27.7	25.5	-34.3	1.5	-3.8	85.6	3.6	-9.9	-6.2	
22199	Pembuatan produk getah lain yang t.t.t.l.	3.4	8.8	29.9	3.7	8.9	-0.2	-9.8	10.8	0.7	-5.8	-3.0	10.3	26.2	
222	Pembuatan produk plastik	-5.5	-1.1	9.9	2.3	6.7	9.5	-1.3	-0.4	-3.9	-5.4	-5.9	8.6	13.5	
22201	Pembuatan produk plastik separa siap														
&		-0.1	11.7	2.7	-0.1	10.6	12.4	-4.6	2.8	-1.7	-2.0	3.9	11.3	5.4	
22202	Pembuatan produk plastik siap														
22203	Pembuatan artikel plastik untuk pembungkusan barangan	-3.4	-0.8	13.7	2.4	8.1	5.9	8.2	8.0	-12.2	-4.6	-6.8	9.6	23.8	
22204	Pembuatan barangan plastik jurubina	1.2	-14.1	23.9	-0.3	17.2	26.6	14.1	0.8	-8.6	-3.2	-12.2	-7.0	25.2	
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	1.8	-2.2	32.7	-2.7	10.4	19.4	6.9	-7.1	9.2	-10.7	-19.1	3.5	70.8	
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-11.8	-10.3	9.2	5.6	0.9	6.4	-9.4	-7.1	-0.8	-7.9	-10.7	7.0	5.2	
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-0.01	-68.7	81.1	26.2	6.8	-23.8	-33.9	-5.1	-4.2	16.9	-77.6	31.6	15.5	

2021																	Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
4.7	-2.5	12.6	-2.6	4.6	3.1	2.3	-4.4	9.3	-22.6	-35.4	-14.0	-4.6	72.3	18.6	12.9	11.5	Manufacture of products of wood, cork, straw and plaiting materials
2.0	-3.6	14.2	-7.7	10.4	4.3	0.5	-3.9	12.7	-27.2	-37.7	-6.1	-13.4	85.1	21.7	11.3	14.0	Manufacture of veneer sheets and plywood
6.6	-2.4	13.7	-3.6	-2.4	4.8	3.2	-7.5	9.1	-16.2	-33.0	-12.5	6.4	51.1	25.7	3.8	8.8	Manufacture of particle board and fibreboard
21.2	-0.3	12.3	13.4	0.3	2.1	2.9	0.9	2.7	-23.8	-37.2	-40.0	18.8	93.8	-4.1	46.4	3.4	Manufacture of builders' carpentry
-1.3	-0.1	3.9	7.2	4.6	-5.2	7.1	-4.5	2.5	-16.8	-30.6	-23.2	-14.8	69.5	5.6	22.2	16.8	Other industry
0.5	0.4	0.6	2.0	-2.0	-4.0	2.9	0.9	15.4	-2.1	-6.4	0.2	-1.7	7.1	1.7	2.3	0.01	Manufacture of paper and paper products
9.0	0.1	-0.9	10.5	-4.2	3.4	-0.1	-0.1	14.3	-1.9	-0.8	-2.4	-0.5	9.6	-0.8	11.5	-9.9	Manufacture of pulp, paper and paperboard
6.4	0.5	0.9	5.4	-2.6	-11.3	2.8	-0.4	18.3	-0.2	-9.8	-13.3	10.3	7.5	1.5	5.8	0.6	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-31.3	-0.6	8.1	-1.8	-8.2	8.7	-5.5	-3.3	12.9	-10.5	3.7	-6.3	-1.8	4.2	7.3	-2.0	-3.5	Manufacture of envelopes and letter-card
-8.8	0.6	0.6	-9.0	-0.3	8.5	-1.2	4.5	13.3	-0.7	-8.8	9.0	-8.7	6.8	7.5	-8.0	10.2	Manufacture of household and personal hygiene paper
-10.4	0.4	-0.4	-7.6	0.8	-3.3	8.8	6.3	22.9	-12.9	-3.1	49.3	-22.1	7.5	-6.1	-7.1	0.4	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
0.7	0.2	2.2	3.6	1.1	-11.5	18.1	-4.3	-0.6	1.3	-0.2	-5.1	-1.2	-1.0	6.2	1.9	0.7	Other industry
19.0	5.5	0.2	0.7	1.2	0.6	2.4	-3.9	-2.5	-0.2	-12.0	-26.4	16.6	16.7	3.8	1.2	23.1	Printing, service activities related to printing and reproduction of recorded media
16.9	4.3	0.1	0.5	1.8	-0.9	-2.5	-4.3	-0.5	0.4	-13.4	-20.8	19.1	18.9	3.2	-0.5	19.4	Printing
29.4	10.9	0.6	1.5	-1.0	7.0	22.1	-2.7	-8.9	-2.3	-7.1	-44.7	5.1	5.0	7.8	11.0	42.3	Service activities related to printing
																	Reproduction of recorded media
4.0	6.8	-5.4	0.4	9.5	9.4	3.7	-10.4	5.3	30.9	2.6	-1.6	11.9	-2.3	-3.3	0.8	12.4	Manufacture of refined petroleum products
-2.6	0.1	-0.4	-2.1	7.6	14.1	3.0	-1.2	4.2	-22.8	2.4	17.4	1.8	3.1	-10.6	1.7	4.7	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-50.0	-2.8	4.6	-20.5	22.8	227.8	3.8	-3.4	-33.5	23.2	2.2	16.9	-1.2	-33.2	-49.1	2.8	8.1	Manufacture of liquefied or compressed inorganic industrial or medical gases
-3.3	2.7	-2.6	-0.6	9.3	16.5	0.3	-0.9	3.8	-30.5	9.5	17.6	6.2	7.6	-15.0	-3.4	6.6	Manufacture of basic organic chemicals
-6.8	-0.6	-1.1	-11.8	5.1	16.2	1.8	8.0	5.6	-0.5	-8.8	-2.6	-11.1	3.5	1.3	39.1	-3.1	Manufacture of inorganic compounds
3.7	-3.4	2.8	-2.1	5.2	2.0	6.2	-3.5	10.0	-21.7	-3.1	24.1	-3.7	-2.1	-1.7	7.3	2.7	Manufacture of fertilizers
-1.5	0.6	-0.2	1.3	4.5	1.2	15.8	2.1	4.2	0.5	-7.2	2.9	12.9	19.5	-6.7	-21.7	12.5	Manufacture of associated nitrogen products
9.2	3.2	-3.1	1.0	3.3	-1.3	3.5	-2.4	12.6	-7.46	-6.0	1.0	-6.7	15.6	14.2	-0.1	1.1	Manufacture of other chemical products and man-made fibres
15.0	28.6	-26.8	-0.9	42.4	-1.7	3.2	-3.8	9.0	-3.9	-14.8	10.7	-1.1	4.8	3.5	9.7	4.1	Manufacture of pesticides and other agrochemical products
14.8	-0.4	2.3	2.6	4.2	-0.2	4.6	-1.5	30.1	-0.4	-7.6	-16.0	-24.0	56.0	32.0	5.7	-2.2	Manufacture of paints, varnishes and similar coatings ink and
-6.3	-2.2	1.2	5.7	11.5	-2.1	5.0	-2.4	5.7	6.4	-11.9	7.1	-2.4	-1.2	-10.1	6.3	10.5	Manufacture of printing ink
9.1	2.6	-2.2	-1.0	-3.2	0.1	3.5	-4.4	10.4	-17.8	-4.7	13.3	-3.8	14.1	15.4	-11.1	1.2	Manufacture of soap and detergents, cleaning and polishing preparations
3.7	0.6	0.4	1.9	2.9	-5.0	2.0	0.02	1.8	-1.4	-1.8	-1.8	-0.3	-1.3	-1.0	11.6	4.2	Manufacture of perfumes and toilet preparations
27.7	-2.0	-12.1	14.6	-13.5	4.5	8.7	3.5	8.8	-5.8	2.2	5.2	22.7	-20.3	10.5	-18.2	-8.0	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-6.3	2.7	-1.0	-4.6	-1.8	-5.3	5.6	6.1	8.0	-4.5	-3.8	21.3	-9.2	4.4	5.0	-2.5	-1.4	Manufacture of pharmaceuticals, medicinal chemical and botanical products
-7.0	5.0	-2.6	-0.3	-0.4	-5.2	8.3	4.6	7.6	-1.7	-2.1	20.9	-10.0	1.4	5.7	-4.0	-1.5	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
-3.8	-4.9	4.8	-18.8	-7.8	-5.4	-6.3	13.5	9.8	-17.5	-12.9	24.0	-3.8	21.3	1.5	4.6	-1.2	Other industry
4.2	1.0	6.5	9.7	-3.9	1.3	10.1	-7.6	47.5	0.2	-7.9	0.1	-6.4	-28.5	-0.5	-1.4	-4.5	Manufacture of rubber products
-11.8	1.0	1.7	-2.9	-2.5	-1.0	-13.2	6.8	7.3	-2.6	-18.6	-17.5	365.6	-61.8	-6.5	56.1	-32.9	Manufacture of rubber tyres for vehicles
-3.0	-45.4	8.0	-13.6	7.0	-2.1	7.5	-8.7	10.7	0.9	-6.5	-33.3	3.3	29.2	5.2	16.6	7.2	Manufacture of interchangeable tyre treads and retreading rubber tyres
-1.5	-16.4	-1.0	6.6	-2.7	4.1	-6.6	-1.8	13.7	-11.8	-7.5	8.8	-20.9	-7.1	4.9	8.7	-3.2	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
7.8	6.7	8.8	13.2	-5.2	1.4	15.3	-9.9	60.9	1.6	-7.3	-0.2	-17.5	-27.1	-0.9	-9.8	-0.3	Rubber remilling and latex processing
6.7	0.9	3.8	-1.0	3.7	-1.8	7.4	-2.2	8.6	-0.1	-9.8	6.1	-10.9	0.4	1.7	8.9	-3.6	Manufacture of rubber gloves
-0.6	-0.5	-1.3	2.4	0.6	1.4	3.4	-2.6	11.9	5.9	-5.2	1.3	-2.5	4.7	-2.6	0.3	0.9	Manufacture of other rubber products n.e.c.
-4.9	1.0	0.5	0.1	-3.0	3.5	7.8	-3.3	10.8	7.2	-3.4	4.4	-3.6	-4.0	-0.2	-3.2	-1.6	Manufacture of plastics products
-4.1	1.1	-0.4	2.3	-0.1	0.3	9.1	-5.8	9.1	5.3	-5.1	0.7	8.7	6.0	-8.9	5.7	3.9	Manufacture of semi-manufactures of plastic products
7.0	1.0	5.8	-4.3	-1.0	2.3	9.6	-9.6	40.3	4.9	-4.6	11.7	-1.8	8.7	10.8	-11.2	0.6	Manufacture of finished plastic products
16.1	-21.2	-14.9	19.4	2.2	-5.6	15.2	-13.5	27.3	9.2	-7.8	10.9	-20.7	39.5	6.6	4.3	-10.3	Manufacture of plastic articles for the packing of goods
2.5	2.0	-1.5	2.4	4.2	1.9	-7.4	3.9	10.3	4.5	-6.4	-4.2	-6.7	5.0	-2.8	-1.0	3.9	Manufacture of builders' plastics ware
																	Manufacture of plastic tableware, kitchenware and toilet articles
																	Manufacture of diverse plastic products n.e.c.
49.1	3.8	-0.9	13.1	9.4	12.6	-0.2	-6.3	1.5	-11.6	-6.3	-27.2	-18.5	-7.9	29.8	6.0	24.5	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021				2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Jan.	Feb.	Mac	Apr.	Mei	Jun	
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-6.5	-47.6	79.4	8.0	5.9	-20.0	-7.0	-2.7	-4.8	-8.6	-75.2	126.3	58.5	
23911	Pembuatan mortar refraktori dan konkrit	-13.1	-50.4	70.5	19.4	20.3	-30.6	-39.8	-10.3	-2.9	-17.0	-58.3	43.3	16.3	
23921	Pembuatan seramik bukan refraktori	-18.0	-26.2	29.1	14.1	16.9	-3.2	-3.0	-3.6	-1.6	-38.9	-11.8	20.2	15.9	
23930	Pembuatan produk porselin dan seramik lain	-11.8	-47.9	108.3	5.3	1.2	-18.9	-21.6	-11.3	-6.5	6.1	-86.6	253.9	96.9	
23941	Pembuatan simen hidrolik	-5.3	-63.0	92.0	10.9	5.1	-17.9	5.9	-9.2	1.7	-0.4	-89.8	236.8	92.3	
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering														
23952	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;														
23953	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	0.7	-41.9	68.4	7.8	2.5	-21.2	-0.9	11.7	-10.3	-17.1	-67.9	125.2	41.2	
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.														
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-15.3	-40.3	64.4	8.9	19.4	-16.6	3.9	-18.5	10.0	-6.4	-62.6	62.3	37.4	
	Industri lain	-6.3	-35.5	62.7	-7.7	22.1	-25.9	-5.3	7.0	-3.4	-28.3	-46.0	30.7	74.6	
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-1.5	-51.5	94.9	5.4	-4.0	-20.7	15.6	-0.2	-2.3	2.1	-76.1	42.9	153.1	
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-3.3	-44.7	74.2	10.6	0.2	-23.8	2.4	2.8	-5.6	-14.9	-64.2	40.2	105.9	
243	Pengacuan logam	20.8	-43.4	60.3	-11.6	-0.9	3.0	-9.9	17.6	12.3	-9.5	-67.3	113.4	3.6	
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	-0.8	-38.9	34.5	15.1	5.1	-13.0	-5.7	5.0	-13.3	0.3	-60.4	93.6	-0.7	
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-0.4	-41.7	38.8	15.3	6.4	-17.4	-0.8	6.4	-15.8	2.5	-61.9	92.5	-2.9	
25119	Pembuatan produk struktur logam lain														
25120	Pembuatan tangki, takungan dan kontena daripada logam	-0.7	-30.8	23.3	16.5	3.9	0.1	-16.3	2.7	-6.9	-6.1	-54.8	92.3	3.6	
	Industri lain	-7.1	-38.0	36.6	3.8	-13.2	-15.0	-15.5	-5.6	-5.0	2.1	-67.1	125.9	6.8	
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	-0.2	-31.6	27.6	7.0	7.2	-11.6	-16.6	1.5	-3.6	-6.0	-45.1	39.1	12.3	
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-0.03	-48.2	16.6	19.5	18.3	-4.4	-11.0	4.4	-8.4	-10.5	-47.9	8.0	14.5	
25920	Rawatan dan penyalutan logam; menggunakan mesin	-4.1	-29.7	30.7	2.9	40.1	-15.9	-11.9	1.9	-2.3	-16.7	-47.1	80.1	-2.7	
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	-4.9	-18.9	3.9	2.8	-3.9	-10.9	-3.1	-3.6	-2.2	-6.4	-12.2	-11.1	16.1	
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam														
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	2.2	-39.7	54.4	6.9	8.3	-22.5	-23.6	2.2	-1.4	-5.1	-64.8	101.7	15.7	
25994	Pembuatan barangan rumah daripada logam	-3.0	-50.8	47.2	1.0	54.9	11.3	-17.6	0.8	8.6	-23.7	-49.0	12.9	11.7	
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	3.4	-19.4	20.5	7.3	-2.7	5.6	-22.4	5.2	-6.4	1.6	-42.3	55.4	8.3	
	Industri lain	-10.9	-4.5	7.6	2.5	11.6	11.4	-6.8	-8.4	-7.5	-11.3	-23.3	55.5	3.5	
261	Pembuatan komponen dan papan elektronik	-2.9	-16.6	30.8	-0.3	4.5	-7.9	20.8	-3.0	-6.6	-3.2	-36.4	33.1	34.4	
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	-3.4	-16.1	26.8	3.0	0.8	-7.1	16.4	-3.3	-9.7	-2.1	-33.0	28.5	29.6	
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro														
26103	Pembuatan kapasitor dan perintang elektrik														
26104	Pembuatan papan litar bercetak	-2.0	-19.2	36.6	-5.2	11.7	-10.0	28.2	-3.2	-1.3	-4.9	-42.4	39.0	42.7	
26105	Pembuatan komponen paparan														
26109	Pembuatan komponen lain untuk aplikasi elektronik	-4.6	15.1	38.5	1.1	-9.9	3.8	10.8	5.9	-11.2	-1.7	-21.9	60.8	27.3	
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	-4.6	-18.3	43.7	-6.1	-2.0	12.4	-29.7	-3.1	12.3	-9.1	-29.1	-4.2	66.2	
263/ 26300	Pembuatan peralatan komunikasi	0.4	-6.8	26.3	-11.0	-3.5	-19.8	-4.9	-1.6	-11.4	10.9	-31.4	25.5	36.4	
264/ 26400	Pembuatan peralatan elektronik pengguna	-17.0	-35.3	98.3	-10.6	-4.1	-9.9	2.5	-9.8	-4.8	2.6	-61.3	19.3	136.8	
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-3.7	-0.2	33.2	-7.5	-6.7	-13.1	24.8	0.3	-26.7	10.8	-32.2	53.6	34.9	
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	-3.4	2.0	31.7	-8.9	-7.8	-14.2	27.3	0.3	-28.0	12.4	-32.1	58.1	33.9	
26512	Pembuatan kelengkapan kawalan proses perindustrian														
26520	Pembuatan jam tangan dan jam dan bahagiannya	-5.7	-17.7	47.5	4.7	1.8	-5.2	8.5	1.1	-15.4	-0.4	-32.4	16.8	46.7	
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-2.4	-11.3	26.2	-3.5	18.4	9.9	2.3	-4.8	-3.6	10.1	-31.4	20.6	23.0	

2021																	Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
13.4	0.6	1.1	1.1	6.1	4.8	3.2	-6.0	5.0	-10.4	-8.1	-20.7	2.1	12.8	5.0	13.5	13.3	Manufacture of non-metallic mineral products n.e.c.
																	Manufacture of refractory mortars and concretes
35.6	3.0	3.2	1.1	12.5	16.4	8.5	-7.2	5.7	-22.2	-2.2	-31.8	-44.5	49.4	21.1	40.9	15.6	Manufacture of non-refractory ceramic
-0.4	16.9	0.5	2.0	1.6	14.8	6.8	0.3	-2.1	4.2	-0.5	-16.6	-5.8	19.5	9.8	3.4	2.3	Manufacture of other porcelain and ceramic products
14.1	0.2	1.1	0.8	4.7	1.7	-1.1	-2.4	4.0	-5.5	-9.9	-30.0	0.6	5.6	1.6	32.7	17.3	Manufacture of hydraulic cement
8.0	0.04	-2.5	-0.1	15.5	6.8	-1.5	-6.3	6.3	-11.8	-4.9	-16.9	0.6	20.7	19.6	6.0	13.7	Manufacture of ready-mix and dry-mix concrete and mortars
																	Manufacture of precast concrete, cement or artificial stone articles for use in construction
12.6	-0.1	2.8	0.5	7.0	2.0	3.3	-8.0	4.0	-11.0	-9.3	-16.5	8.7	11.1	-1.4	7.2	14.9	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
																	Manufacture of other articles of concrete, cement and plaster n.e.c.
16.3	0.0	7.6	6.6	-8.6	10.1	18.5	-8.3	9.6	-14.0	-2.8	-12.9	11.7	4.5	0.8	6.1	0.2	Manufacture of other non-metallic mineral products n.e.c.
15.0	1.7	-18.4	3.2	-3.7	14.8	9.9	-0.6	9.8	-9.8	-26.5	-19.8	-5.2	38.0	12.9	11.8	10.4	Other industry
2.4	2.9	11.9	-0.3	-5.0	2.2	4.6	-13.0	2.6	0.2	-18.3	-22.6	-4.2	58.8	31.4	-1.6	-1.7	Manufacture of basic iron and steel
-0.7	6.1	8.8	1.7	1.5	-0.2	-1.8	2.3	0.03	-6.8	-20.0	-20.8	-9.4	52.1	19.6	4.2	2.5	Manufacture of basic precious and other non-ferrous metals
32.2	-6.9	7.7	-7.8	-9.7	-0.1	5.4	-7.5	7.7	21.8	-6.9	-41.2	-0.1	45.5	12.0	6.2	4.8	Casting of metals
13.0	1.7	-2.6	8.1	5.1	12.5	2.8	-11.9	3.5	0.5	-6.0	-24.1	-2.2	21.7	12.5	7.8	3.1	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
18.3	1.7	-2.6	7.9	3.6	16.7	3.4	-13.4	3.6	0.2	-7.2	-34.3	16.7	15.1	20.1	1.4	1.5	Manufacture of metal doors, windows and their frames, shutters and gates
																	Manufacture of other structural metal products
1.6	1.2	-2.8	10.1	9.4	3.1	2.1	-4.9	0.7	2.6	-3.1	2.3	-34.0	43.4	-5.8	28.1	5.9	Manufacture of tanks, reservoirs and containers of metal
4.9	3.8	-1.5	0.1	3.7	3.1	-4.4	-28.4	29.1	-10.3	-4.0	-22.0	-5.9	6.1	11.7	1.8	16.3	Other industry
4.8	3.9	0.4	1.1	1.1	10.3	3.3	-5.2	1.3	6.8	-11.3	-30.1	-4.0	13.6	21.5	11.5	4.0	Manufacture of other fabricated metal products; metal working service activities
-5.0	15.4	-1.6	0.8	1.2	40.5	-1.1	-10.3	10.6	0.5	-0.2	-22.5	-0.1	0.8	17.4	8.2	8.4	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
12.7	-0.2	1.9	-2.9	1.8	10.5	23.4	5.1	6.4	-4.0	-19.0	-16.7	-11.9	24.9	14.8	20.1	3.7	Treatment and coating of metals; machining
-3.5	1.6	1.6	-0.8	0.7	4.8	-1.0	-8.7	-0.9	-1.1	-10.5	1.8	-14.7	15.0	17.3	-3.6	5.0	Manufacture of tins and cans for food products, collapsible tubes and boxes
																	Manufacture of metal cable, plaited bands and similar articles
15.6	3.3	-0.3	2.8	0.3	8.7	6.3	-4.3	-2.5	-4.8	0.4	-48.2	-1.5	20.8	28.7	20.9	3.1	Manufacture of bolts, screws, nuts and similar threaded products
23.3	9.0	2.6	-5.1	-4.3	14.5	14.9	1.8	71.0	1.2	-5.4	-54.7	58.2	-4.9	-1.5	-1.4	5.0	Manufacture of metal household articles
-1.8	4.0	1.0	1.0	3.7	5.1	-4.1	-3.3	-2.3	49.8	-30.8	-30.4	1.7	8.8	24.7	9.4	2.1	Manufacture of any other fabricated metal products n.e.c.
-7.8	1.0	0.1	4.2	-3.9	1.5	18.1	-23.9	42.4	11.3	-9.2	-20.5	10.4	5.6	-3.3	13.3	3.7	Other industry
2.8	-5.1	3.4	-1.9	-1.3	6.2	-0.4	0.6	2.8	-11.8	-2.9	12.9	2.9	7.5	12.5	-5.1	-2.9	Manufacture of electronic components and boards
2.6	-6.4	6.4	-1.2	0.2	6.4	-1.0	-5.4	4.2	-10.0	-3.9	15.8	3.4	1.2	8.4	5.3	-2.6	Manufacture of diodes, transistors and similar semiconductor devices
																	Manufacture of electronic integrated circuits micro assemblies
																	Manufacture of electrical capacitors and resistors
3.3	-4.0	-0.4	-3.2	-3.7	6.5	1.5	10.2	0.4	-14.4	-2.1	9.4	3.1	16.9	17.2	-17.8	-3.6	Manufacture of printed circuit boards
1.0	6.5	-1.2	0.03	0.2	-0.7	-12.0	-1.0	10.5	-8.6	6.9	6.0	-10.2	12.2	21.4	-5.2	1.6	Manufacture of display components
																	Manufacture of other components for electronic applications
11.4	-11.1	11.1	-1.6	-13.2	4.9	-7.7	8.6	6.2	20.1	-23.9	13.7	-16.7	-7.1	-32.0	91.6	-13.8	Manufacture of computers and peripheral equipment
3.6	-11.5	6.2	-12.4	-3.3	12.3	-4.5	-10.6	5.8	-26.4	-5.1	39.3	-29.9	5.0	24.6	1.9	0.9	Manufacture of communication equipment
13.1	1.4	8.5	-8.0	-15.3	6.6	-2.4	-0.4	0.3	-7.6	-4.7	2.1	-32.9	71.8	9.3	7.0	1.7	Manufacture of consumer electronics
2.9	1.0	-14.0	-1.7	-7.4	28.6	-3.4	-28.3	13.1	-11.1	-3.9	12.8	-2.4	21.6	12.8	-1.5	-0.6	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
2.5	1.1	-16.9	-1.8	-6.5	29.9	-3.5	-31.1	14.4	-11.7	-3.5	12.5	-1.9	25.3	11.2	-4.7	-2.4	Manufacture of measuring, testing, navigating and control equipment
6.3	-0.2	14.6	-0.3	-13.7	18.3	-2.4	-5.0	4.9	-7.1	-6.1	14.7	-5.1	-2.7	26.2	22.5	9.5	Manufacture of industrial process control equipment
																	Manufacture of watches and clocks and parts
3.7	0.6	1.4	-4.0	-8.2	15.8	20.3	-16.0	9.4	-1.5	-4.2	45.3	-10.1	-20.6	18.8	6.6	-58.5	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021				2020					
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Jan.	Feb.	Mac	Apr.	Mei	Jun	
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-12.2	-4.5	49.1	-3.1	-10.0	3.5	-3.2	-3.0	-4.7	-10.7	-38.5	68.2	44.5	
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	-9.7	-18.0	43.8	-3.2	-4.2	10.6	4.0	-4.1	-4.3	-2.9	-42.2	46.5	32.3	
	27101 Pembuatan motor elektrik, penjana dan transformer	-7.4	-3.4	42.5	-4.6	-11.4	8.2	7.6	-9.5	-5.6	3.1	-32.3	37.9	37.7	
	27102 Pembuatan perkakasan pengagihan dan pengawalan	-10.8	-25.8	44.6	-2.2	0.6	12.1	1.9	-1.0	-3.6	-5.9	-47.8	52.8	28.7	
272/ 27200	Pembuatan bateri dan akumulator	-12.7	35.3	7.1	-17.1	-21.9	25.2	20.8	-0.8	-13.8	-12.0	22.9	27.1	20.7	
273	Pembuatan pendawaian dan peranti pendawaian	-21.0	-34.8	60.8	6.5	-2.9	7.7	3.6	-9.5	-11.3	-8.1	-52.7	42.6	50.4	
	27310 Pembuatan kabel gentian optikal	-11.4	-19.3	27.7	-0.2	3.4	-0.1	36.1	-4.1	7.7	-11.7	-30.5	5.7	55.1	
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	-22.0	-35.1	62.4	6.7	-4.1	6.7	3.1	-10.5	-12.1	-6.6	-52.7	39.9	51.4	
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-7.6	-36.7	54.5	6.1	15.3	24.4	-0.8	6.8	-6.7	-27.3	-63.9	145.2	34.7	
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-2.8	50.2	36.1	-27.3	-12.2	6.9	4.0	-0.4	-8.2	-1.3	-30.9	83.5	114.7	
275/ 27500	Pembuatan perkakasan domestik	-5.1	-36.0	64.7	-2.8	-7.5	1.1	4.9	0.6	-7.0	1.4	-42.4	-18.3	91.6	
279/ 27900	Pembuatan kelengkapan elektrik lain	-13.1	3.4	35.3	-4.6	-9.7	15.0	4.4	3.3	-9.0	0.6	-44.7	98.4	40.6	
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-4.3	-6.3	19.4	-4.0	-1.6	19.7	-5.6	-3.4	-0.03	-0.9	-34.0	31.1	50.8	
	28120 Pembuatan alat-alat kuasa bendalir														
	& 28130 Pembuatan pam, pemampat, kepala paip dan injap lain	-5.4	-41.9	42.0	10.0	-1.7	22.2	-9.3	7.0	-11.4	-0.4	-60.4	48.8	42.1	
	28180 Pembuatan alatan tangan yang menggunakan kuasa														
	& dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	1.1	5.2	11.7	-7.1	12.1	24.1	-10.5	4.5	-5.2	-8.7	-38.9	107.4	21.9	
	28220 Pembuatan jentera pembentukan logam dan alatan mesin														
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	0.3	8.9	22.0	-7.8	1.8	13.8	-6.4	-1.8	1.4	0.4	-16.5	-2.3	95.2	
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-7.2	-2.4	-2.9	-2.1	-24.6	35.4	-7.6	-10.5	12.7	-4.0	-11.1	-16.2	69.5	
		-10.0	-22.8	41.4	-1.2	-1.8	13.5	2.7	-8.8	-2.1	7.2	-56.2	76.0	32.1	
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-21.7	-44.0	162.0	10.1	-26.9	-17.3	5.4	-14.6	-6.5	-15.2	-97.7	2,098.8	173.8	
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	7.9	32.7	27.4	-17.2	7.7	13.8	-27.1	16.9	-7.1	-6.3	-43.4	133.9	79.6	
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-9.9	-15.2	50.6	-0.8	-2.1	-10.2	-11.6	8.8	-7.1	-13.3	-42.4	71.8	33.0	
301 (30110 & 30120)	Pembinaan kapal dan bot	-4.2	-76.5	239.6	45.4	-3.0	-5.3	7.9	0.1	-19.9	32.8	-96.3	16.1	1,199.8	
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.	-3.6	-28.2	23.0	5.4	0.8	-14.8	-17.3	2.2	-7.6	-4.5	-58.0	110.1	11.1	
	30910 Pembuatan motosikal	16.7	-70.2	51.9	15.5	12.1	-10.4	-29.5	23.3	4.5	-20.3	-88.4	236.8	34.9	
	30920 Pembuatan basikal dan invalid carriages	-21.4	23.9	44.0	7.9	-11.1	-20.3	-6.3	-20.8	-1.5	-30.0	-29.9	170.2	16.9	
	Industri lain	-10.2	-9.7	7.0	0.3	2.9	-14.2	-16.3	-2.1	-18.9	20.8	-43.9	76.9	2.6	
310	Pembuatan perabot	-6.9	-46.0	95.3	4.2	-4.3	-31.3	-11.0	-1.5	-7.3	0.9	-92.2	567.4	102.2	
	31001 Pembuatan perabot kayu dan rotan	-3.5	-52.1	104.7	4.0	-5.9	-40.5	-21.5	-1.6	-8.1	9.4	-93.7	484.1	160.6	
	Industri lain	-14.1	-31.5	79.4	4.5	-1.3	-14.6	2.3	-1.5	-5.5	-17.5	-87.9	692.5	37.5	
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	2.8	-54.4	107.7	2.3	5.0	4.3	-57.3	5.6	-6.5	0.0	-88.5	244.4	124.1	
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	3.0	-11.0	19.8	-5.8	2.4	-1.0	2.7	7.0	-9.8	-7.8	-33.8	59.3	14.4	
	32901 Pembuatan alat tulis	-1.8	-13.0	19.6	-5.7	18.1	1.5	-15.3	2.8	-8.7	1.3	-49.1	86.1	28.1	
	Industri lain	4.7	-10.4	19.9	-5.9	-2.5	-1.9	9.7	8.3	-10.2	-10.6	-28.5	52.7	10.3	
323/ 32300	Pembuatan barangan sukan	-0.8	38.8	0.6	-11.5	-17.1	5.0	-37.4	-13.2	18.8	-6.0	2.8	41.7	11.3	
324/ 32400	Pembuatan permainan dan mainan	-20.5	-38.1	57.8	0.1	-12.3	6.7	-12.2	-9.2	-9.2	-7.2	-89.5	676.9	36.0	
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-5.4	-38.8	79.6	-6.0	-2.7	-21.0	4.1	1.1	-7.5	17.0	-70.6	42.8	135.1	
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-32.9	15.6	77.7	-12.9	-6.1	-22.2	10.7	-47.4	21.6	30.2	-44.4	24.0	122.1	
	Industri lain	5.3	-52.3	80.8	-2.0	-0.9	-20.4	0.9	22.1	-13.0	13.6	-78.4	57.3	143.0	
Jumlah Pembuatan		-4.6	-16.9	27.2	2.1	0.5	2.6	1.1	-1.0	-5.7	-1.0	-31.2	18.1	30.5	

2021																	Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
4.5	0.3	-0.2	0.5	-4.7	-1.3	-2.8	-5.3	-4.5	8.2	-12.7	30.8	-31.9	21.4	26.8	30.2	-12.4	Manufacture of optical instruments, photographic equipment, magnetic and optical media
9.6	0.6	-3.1	2.5	-4.7	-2.0	1.2	-10.8	16.1	8.9	-10.7	9.6	-11.9	21.1	3.2	4.8	-0.7	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
8.9	1.2	-7.6	5.0	-6.6	-0.6	-6.3	-10.9	15.1	8.5	-14.8	15.5	-1.0	7.9	-2.4	4.8	-2.9	Manufacture of electric motors, generators and transformers
10.0	0.3	0.1	0.9	-3.4	-3.0	6.2	-10.8	16.8	9.1	-8.3	6.5	-18.2	30.4	6.4	4.8	0.5	Manufacture of electricity distribution and control apparatus
-7.8	1.1	-14.0	5.8	-16.2	-9.6	5.4	-26.4	8.7	22.4	-6.7	40.1	-6.6	16.9	-11.3	2.1	-5.7	Manufacture of batteries and accumulators
14.6	-0.7	0.4	8.0	-2.7	1.0	0.7	-6.0	2.1	8.7	-2.9	5.3	-4.1	5.8	4.6	7.6	-0.8	Manufacture of wiring and wiring devices
-14.9	17.8	2.2	0.6	-14.1	8.2	10.6	-13.2	8.0	8.5	-14.3	4.7	37.7	-2.9	9.2	10.3	-13.5	Manufacture of fibre optic cables
16.0	-0.9	0.4	8.7	-3.2	0.9	-0.1	-5.7	0.8	8.6	-2.5	4.1	-5.2	7.3	5.4	7.1	-0.9	Manufacture of other electronic and electric wires and cables
9.1	-4.8	-0.6	0.4	11.7	0.5	9.4	-7.0	19.5	9.8	-4.6	20.1	-3.5	-7.5	-7.5	13.2	6.8	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
4.4	-38.4	1.7	5.5	-31.8	14.7	-4.5	-13.1	18.4	7.0	-12.6	7.9	-23.8	45.2	12.1	25.5	-30.7	Manufacture of electric lighting equipment
19.7	0.3	-3.4	1.9	-3.2	-1.2	-2.6	-3.3	-2.8	8.0	-7.6	5.1	-1.3	8.9	-1.0	9.1	2.9	Manufacture of domestic appliances
-6.8	0.6	-0.7	0.8	-5.7	-3.8	1.8	-13.4	6.4	12.6	-3.3	16.1	-15.9	14.9	10.1	-3.8	-1.2	Manufacture of other electrical equipment
-8.3	-8.0	-1.8	0.5	-1.4	1.6	-3.7	0.5	3.9	19.9	-9.3	11.2	-21.5	23.8	0.02	0.6	-0.1	Manufacture of general-purpose and special-purpose machinery
2.6	0.3	0.5	9.5	-2.2	4.5	-35.8	64.4	12.5	8.2	-11.0	-4.1	-41.7	100.4	-0.3	7.3	-8.5	Manufacture of fluid power equipment
-7.3	-16.3	-0.5	0.5	-0.4	-2.9	18.5	-3.3	-3.8	31.0	-5.3	5.9	-8.4	-6.4	0.3	9.8	-5.5	Manufacture of other pumps, compressors, taps and valves
-9.2	-10.0	-7.0	0.9	5.5	-11.5	15.0	-9.9	3.6	19.6	-13.6	18.6	-43.3	89.0	-6.5	-0.7	2.2	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-21.4	-9.0	1.4	1.4	-15.7	33.1	-37.2	3.9	8.9	25.5	-17.8	46.1	-22.9	-1.2	4.3	-1.5	-1.0	Manufacture of metal-forming machinery and machine tools
1.6	1.9	0.3	-2.5	-0.2	2.0	-7.9	4.4	7.0	11.0	-3.5	-3.9	-2.8	11.7	5.6	-6.7	5.9	Manufacture of air-conditioning machines, including for motor vehicles
24.6	-2.5	-4.7	5.7	10.9	3.5	-30.1	-4.7	6.4	-0.1	-14.7	-33.3	32.5	0.5	37.5	29.2	9.2	Manufacture of other special-purpose machinery n.e.c.
-12.6	-15.0	-10.0	-11.6	9.5	1.0	2.4	-14.1	38.1	24.0	-21.8	-26.4	-15.1	7.4	34.7	30.8	0.5	Other industry
14.3	0.3	-12.0	5.7	3.4	0.1	-8.3	-0.1	17.0	-7.4	-8.4	-22.1	4.6	7.6	-3.4	27.4	5.4	Manufacture of parts and accessories for motor vehicles
22.6	0.1	16.6	40.5	-8.1	-3.1	1.2	-3.2	8.9	8.0	-31.2	20.2	-10.1	22.5	16.1	19.1	-7.8	Manufacture of motor vehicles
-5.9	2.5	-0.6	-1.6	13.1	-5.3	3.4	-14.2	23.6	-3.9	-22.8	-13.6	-10.2	16.9	2.6	15.4	21.2	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
2.1	-2.4	-3.5	6.9	10.7	11.9	3.0	-9.6	14.3	2.2	-12.8	-28.8	-6.7	2.1	-0.9	8.5	30.7	Manufacture of parts and accessories for motor vehicles
3.7	1.2	-0.8	10.4	-2.7	-1.1	0.2	-31.1	47.6	-7.0	-12.1	-54.2	9.6	86.5	6.2	11.3	2.1	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
-13.1	5.2	0.6	-11.0	24.4	-14.1	5.4	-7.1	18.0	-5.1	-33.0	23.2	-16.4	0.3	2.0	20.8	28.9	Manufacture of motorcycles
1.7	0.6	-0.1	5.2	-1.6	0.1	0.04	-9.3	7.8	-24.3	-2.4	-28.1	-27.4	57.5	33.7	15.4	10.2	Manufacture of bicycles and invalid carriages
-1.4	0.7	-0.5	6.2	-3.3	0.9	-3.7	-7.0	9.4	-35.5	-2.8	-28.0	-28.1	46.3	16.6	18.2	20.3	Other industry
8.2	0.5	0.6	3.2	1.7	-1.4	7.1	-13.3	4.7	-2.9	-1.8	-28.2	-26.6	71.3	51.8	13.2	1.6	Manufacture of furniture
2.6	8.6	1.5	-0.8	-1.1	0.6	15.6	-15.7	4.5	35.3	-9.6	-47.0	-58.3	27.2	121.9	10.9	13.9	Manufacture of wooden and cane furniture
-4.7	2.7	-0.9	-7.7	1.0	3.1	-0.5	-2.4	6.5	2.1	-4.6	-9.8	3.5	9.0	6.4	1.5	-0.8	Manufacture of jewellery, bijouterie and related articles
-8.6	1.0	-13.9	3.4	1.6	-1.0	12.1	-0.8	18.3	-4.1	-0.7	-13.3	-10.6	17.6	-18.0	11.3	2.0	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-3.3	3.2	3.3	-10.7	0.8	4.4	-4.3	-2.9	2.3	4.7	-6.1	-8.5	8.8	6.3	14.8	-0.9	-1.6	Manufacture of stationery
-11.8	-5.1	-0.8	-2.3	-0.3	-21.5	-7.7	1.0	16.7	6.2	-2.9	-27.4	-27.3	3.7	18.7	1.0	26.7	Other industry
-3.4	-0.8	0.4	1.2	-1.9	0.5	-22.6	-2.6	47.4	10.7	-4.5	-65.1	89.1	-18.3	67.5	11.1	-0.7	Manufacture of sports goods
3.7	-1.1	0.7	-4.7	3.6	-11.3	2.0	-7.1	22.6	-9.5	-31.7	-2.3	3.6	10.3	30.3	6.1	11.7	Manufacture of games and toys
22.8	-20.4	4.0	-3.3	0.4	-15.4	5.3	-20.4	50.7	-12.7	-38.5	-0.9	4.9	9.2	61.1	-7.5	9.9	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-6.9	13.0	-1.0	-5.4	5.3	-9.2	0.4	-0.2	11.1	-7.7	-28.1	-3.0	3.0	10.9	16.0	14.8	12.6	Repair and maintenance of transport equipment except motorcycles and bicycles
2.0	-0.6	2.3	0.6	-1.7	3.9	-1.4	-3.6	7.2	2.9	-6.1	1.3	-3.6	5.5	6.9	3.9	1.2	Other industry
Total Manufacturing																	

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2020				2021			2020
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)
101	Pemprosesan dan pengawetan daging	13,393	12,814	13,127	12,857	13,232	12,814	13,037	13,006	13,491	12,830
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	17,165	15,575	16,475	15,905	15,933	15,575	16,315	15,839	15,917	15,600
	10201 Pengetinan ikan, krustasea dan moluska										
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	14,421	13,406	13,950	13,692	13,671	13,406	13,913	13,579	13,478	13,401
	Industri lain	2,744	2,169	2,525	2,213	2,261	2,169	2,402	2,260	2,439	2,198
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10,622	11,201	11,631	12,237	11,266	11,201	11,339	11,265	10,290	11,167
	10303 Pengetinan nanas	1,015	1,115	1,045	1,038	1,115	1,115	1,129	1,109	546	1,107
	10304 Pembuatan jem, marmalad dan sajian jeli										
	Industri lain	9,606	10,085	10,586	11,200	10,151	10,085	10,210	10,156	9,744	10,060
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	78,304	77,283	78,905	80,319	79,604	77,283	77,416	77,731	79,380	77,481
	10404 Pembuatan minyak sayuran mentah dan bertapis										
	10406 Pembuatan sebatian lemak masakan	3,698	3,633	3,780	3,533	3,659	3,633	3,686	3,657	3,657	3,635
	10405 Pembuatan minyak kelapa	2,401	2,356	2,336	2,344	2,354	2,356	2,388	2,363	2,362	2,359
	Industri lain	72,205	71,293	72,788	74,442	73,591	71,293	71,342	71,711	73,361	71,487
105	Pembuatan produk tenusu	13,506	12,943	13,124	13,309	13,439	12,943	13,757	13,848	13,864	13,000
	10502 Pembuatan susu pekat, tepung dan sejat	10,279	9,487	9,689	9,768	9,851	9,487	10,152	10,194	10,245	9,536
	Industri lain	3,227	3,456	3,356	3,620	3,588	3,456	3,604	3,654	3,619	3,464
106	Pembuatan produk bijian, kanji dan produk berkanji	10,186	10,286	10,627	10,306	10,329	10,286	10,535	10,530	10,852	10,288
	10611 Pengilangan beras	4,608	4,638	4,838	4,715	4,762	4,638	4,881	4,832	5,157	4,649
	10613 Pengilangan tepung	4,564	4,630	4,693	4,613	4,611	4,630	4,640	4,710	4,729	4,597
	Industri lain	1,014	1,017	1,097	978	956	1,017	1,014	988	966	1,042
107	Pembuatan produk makanan lain	113,405	115,937	115,858	116,324	116,925	115,937	121,149	121,787	122,231	115,404
	10711 Pembuatan biskut dan cookies	11,534	12,112	11,802	12,110	12,289	12,112	11,993	11,983	11,983	12,190
	10712 Pembuatan roti, kek dan produk bakeri lain	29,591	28,158	29,805	28,496	28,624	28,158	28,682	30,085	30,498	28,089
	10713 Pembuatan produk snek	9,007	8,757	9,020	8,910	8,743	8,757	8,860	8,815	8,428	8,763
	10721 Pembuatan gula	2,061	1,823	2,041	2,047	1,818	1,823	1,818	1,799	1,822	1,819
	10731 Pembuatan produk koko	2,762	2,714	2,808	2,954	2,965	2,714	2,679	2,634	2,603	2,712
	10732 Pembuatan coklat dan produk coklat										
	10733 & Pembuatan konfeksi gula	9,899	8,727	9,448	9,010	8,989	8,727	8,676	8,561	8,433	8,772
	10793 Pembuatan sos dan bahan perasa	8,220	8,441	8,110	8,368	8,456	8,441	9,512	9,316	9,413	8,444
	10799 Pembuatan produk makanan lain t.t.t.l.	11,662	12,699	11,563	12,032	12,179	12,699	14,596	14,380	14,432	12,162
	Industri lain	28,669	32,506	31,262	32,398	32,862	32,506	34,333	34,213	34,619	32,453
108/ 10800	Pembuatan makanan haiwan tersedia	18,775	17,920	19,028	18,858	19,003	17,920	17,733	17,700	15,829	17,878
110	Pembuatan minuman ringan	17,552	15,681	18,029	15,968	15,917	15,681	16,115	15,637	16,029	15,468
	11041 Pembuatan minuman ringan	11,346	10,302	11,857	10,480	10,399	10,302	10,327	10,195	10,108	10,153
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	4,687	4,144	4,626	4,228	4,238	4,144	4,227	3,960	4,063	4,174
	Industri lain	1,519	1,234	1,547	1,260	1,280	1,234	1,560	1,482	1,859	1,141
120/ 12000	Pembuatan produk tembakau	1,598	1,160	1,618	979	1,076	1,160	1,412	1,151	1,196	1,185
131	Pemintalan, penenunan dan penyiapan tekstil	14,420	13,348	14,524	14,020	13,556	13,348	13,445	13,081	13,173	13,505
	13110 Penyediaan dan pemintalan gentian tekstil										
	13120 Penenunan tekstil	10,050	9,775	10,137	10,008	9,904	9,775	9,712	9,494	9,252	9,852
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	3,465	2,880	3,578	3,280	2,906	2,880	3,054	3,055	3,373	2,906
	Industri lain	904	693	809	732	746	693	679	532	548	746
139	Pembuatan tekstil lain	13,928	13,350	14,178	13,754	13,629	13,350	13,939	13,946	14,120	13,386
	13910 Pembuatan fabrik dikait dan dikrusye	5,639	5,321	5,639	5,405	5,428	5,321	5,448	5,592	5,721	5,340
	Industri lain	8,289	8,030	8,539	8,349	8,201	8,030	8,492	8,354	8,400	8,046
141	Pembuatan pakaian, kecuali pakaian berbulu	51,872	40,706	53,364	48,369	42,449	40,706	40,980	39,166	38,661	40,770
	14102 Pembuatan pakaian	39,551	29,245	40,554	36,534	30,868	29,245	29,357	28,689	28,387	29,340
	Industri lain	12,321	11,461	12,811	11,835	11,581	11,461	11,623	10,477	10,273	11,430
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,591	1,213	1,677	1,311	1,204	1,213	1,161	1,152	963	1,193
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,673	5,675	5,699	5,407	5,512	5,675	5,720	5,553	5,918	5,587
152	Pembuatan kasut	6,486	6,159	6,628	6,428	6,125	6,159	6,295	6,073	6,067	6,187
	15201 Pembuatan kasut kulit										
	15203 Pembuatan kasut getah	3,717	3,469	3,773	3,521	3,378	3,469	3,486	3,312	3,238	3,449
	Industri lain	2,769	2,690	2,854	2,907	2,746	2,690	2,809	2,760	2,829	2,737
161/ 16100	Pengilangan dan pengetaman kayu	26,241	24,555	26,509	24,284	24,685	24,555	24,769	22,858	25,401	24,643

2021		2020								Group Description/Period
(Jan. - Nov.)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	
13,068	12,989	13,157	13,127	13,061	12,970	12,857	12,821	12,819	13,232	Processing and preserving of meat
15,681	16,307	16,625	16,475	15,281	15,397	15,905	15,927	15,914	15,933	Processing and preserving of fish, crustaceans and molluscs
										Canning of fish, crustaceans and molluscs
13,152	13,602	13,976	13,950	13,201	13,280	13,692	13,643	13,636	13,671	Processing, curing and preserving of fish, crustacean and molluscs
2,529	2,705	2,650	2,525	2,080	2,118	2,213	2,284	2,278	2,261	Other industry
9,990	12,202	12,028	11,631	13,343	12,246	12,237	11,477	11,576	11,266	Processing and preserving of fruits and vegetable
										Pineapple canning
537	1,084	1,060	1,045	1,021	1,037	1,038	1,139	1,090	1,115	Manufacture of jams, marmalades and table jellies
9,453	11,119	10,968	10,586	12,322	11,210	11,200	10,338	10,486	10,151	Other industry
79,039	80,738	80,608	78,905	79,788	79,481	80,319	79,724	79,840	79,604	Manufacture of vegetable and animal oils and fats
										Manufacture of crude and refined vegetable oil
3,826	3,914	3,735	3,780	3,461	3,339	3,533	3,630	3,623	3,659	Manufacture of compound cooking fats
2,428	2,425	2,334	2,336	2,339	2,336	2,344	2,341	2,354	2,354	Manufacture of coconut oil
72,785	74,399	74,539	72,788	73,988	73,806	74,442	73,753	73,863	73,591	Other industry
13,176	13,873	13,708	13,124	13,200	13,317	13,309	13,323	13,422	13,439	Manufacture of dairy products
9,765	10,381	10,334	9,768	9,627	9,728	9,689	9,732	9,829	9,851	Manufacture of condensed, powdered and evaporated milk
3,411	3,492	3,374	3,356	3,573	3,588	3,620	3,591	3,593	3,588	Other industry
10,725	10,629	10,560	10,627	10,614	10,471	10,306	10,305	10,253	10,329	Manufacture of grain mill products, starches and starch products
4,882	4,862	4,829	4,838	4,856	4,753	4,715	4,728	4,706	4,762	Rice milling
4,808	4,685	4,644	4,693	4,625	4,616	4,613	4,620	4,584	4,611	Flour milling
1,035	1,082	1,088	1,097	1,133	1,103	978	957	963	956	Other industry
123,360	116,570	115,752	115,858	114,628	114,723	116,324	116,743	116,339	116,925	Manufacture of other food products
14,468	12,014	11,845	11,802	12,108	12,015	12,110	12,394	12,357	12,289	Manufacture of biscuits and cookies
30,196	30,367	29,842	29,805	28,787	28,220	28,496	28,657	28,313	28,624	Manufacture of bread, cakes and other bakery products
8,389	9,210	9,083	9,020	9,033	9,022	8,910	9,019	9,004	8,743	Manufacture of snack products
1,735	2,068	2,049	2,041	2,036	2,044	2,047	1,804	1,810	1,818	Manufacture of sugar
2,555	2,841	2,788	2,808	2,780	2,789	2,954	2,957	2,954	2,965	Manufacture of cocoa products
										Manufacture of chocolate and chocolate products
8,030	9,442	9,617	9,448	9,274	8,985	9,010	8,930	8,927	8,989	Manufacture of sugar confectionery
9,868	8,004	8,097	8,110	8,144	8,186	8,368	8,373	8,360	8,456	Manufacture of sauces and condiments
13,720	11,599	11,591	11,563	11,318	11,406	12,032	12,130	12,167	12,179	Manufacture of other food products n.e.c.
34,399	31,024	30,840	31,262	31,147	32,056	32,398	32,480	32,447	32,862	Other industry
15,071	19,346	19,321	19,028	18,345	18,513	18,858	18,937	18,946	19,003	Manufacture of prepared animal feeds
15,759	18,066	18,142	18,029	16,375	16,087	15,968	16,198	16,161	15,917	Manufacture of beverages
10,143	11,845	11,954	11,857	10,564	10,607	10,480	10,582	10,584	10,399	Manufacture of soft drinks
3,986	4,645	4,646	4,626	4,299	4,239	4,228	4,311	4,283	4,238	Production of natural mineral waters and other bottled waters
1,629	1,576	1,542	1,547	1,512	1,240	1,260	1,305	1,295	1,280	Other industry
1,199	1,602	1,614	1,618	965	980	979	971	961	1,076	Manufacture of tobacco products
13,064	14,879	14,753	14,524	13,639	13,783	14,020	13,664	13,686	13,556	Spinning, weaving and finishing of textiles
										Preparation and spinning of textile fibres
9,216	10,473	10,317	10,137	9,917	10,014	10,008	9,917	9,934	9,904	Weaving of textiles
3,415	3,581	3,612	3,578	3,547	3,352	3,280	3,015	3,006	2,906	Dyeing, bleaching, printing and finishing of yarns and fabrics
433	825	824	809	174	417	732	732	746	746	Other industry
14,464	14,646	14,753	14,178	13,484	13,832	13,754	13,622	13,767	13,629	Manufacture of other textiles
5,863	5,578	5,637	5,639	5,391	5,503	5,405	5,391	5,474	5,428	Manufacture of knitted and crocheted fabrics
8,601	9,067	9,116	8,539	8,094	8,330	8,349	8,231	8,293	8,201	Other industry
41,287	53,565	53,506	53,364	48,772	49,466	48,369	45,261	41,887	42,449	Manufacture of wearing apparel, except fur apparel
30,074	40,679	40,570	40,554	37,395	37,903	36,534	33,840	30,465	30,868	Manufacture of clothings
11,214	12,886	12,936	12,811	11,377	11,563	11,835	11,421	11,423	11,581	Other industry
965	1,615	1,671	1,677	1,342	1,324	1,311	1,208	1,208	1,204	Manufacture of articles of fur, knitted and crocheted apparel
										Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
6,122	5,705	5,736	5,699	5,498	5,425	5,407	5,438	5,451	5,512	
6,186	6,641	6,854	6,628	6,298	6,430	6,428	6,206	6,094	6,125	Manufacture of footwear
										Manufacture of leather footwear
3,396	3,748	4,000	3,773	3,393	3,549	3,521	3,439	3,374	3,378	Manufacture of rubber footwear
2,790	2,893	2,854	2,854	2,905	2,881	2,907	2,767	2,719	2,746	Other industry
25,505	27,635	27,550	26,509	22,207	23,956	24,284	24,707	24,592	24,685	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				
		Okt.	Nov.	Dis.	Jan.	Feb.
101	Pemprosesan dan pengawetan daging	12,798	12,830	12,814	13,270	13,165
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	15,800	15,600	15,575	16,365	16,388
10201 & 10202	Pengetinan ikan, krustasea dan moluska					
	Pemprosesan dan pengawetan ikan, krustasea dan moluska	13,567	13,401	13,406	13,871	13,942
	Industri lain	2,233	2,198	2,169	2,494	2,447
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	11,216	11,167	11,201	11,652	11,497
10303 & 10304	Pengetinan nanas					
	Pembuatan jem, marmalad dan sajian jeli	1,110	1,107	1,115	1,151	1,140
	Industri lain	10,106	10,060	10,085	10,501	10,357
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	77,558	77,481	77,283	77,593	77,611
10404 & 10406	Pembuatan minyak sayuran mentah dan bertapis					
	Pembuatan sebatian lemak masakan	3,653	3,635	3,633	3,591	3,594
10405	Pembuatan minyak kelapa	2,362	2,359	2,356	2,366	2,385
	Industri lain	71,543	71,487	71,293	71,636	71,631
105	Pembuatan produk tenusu	13,008	13,000	12,943	13,531	13,646
10502	Pembuatan susu pekat, tepung dan sejat	9,529	9,536	9,487	10,077	10,117
	Industri lain	3,479	3,464	3,456	3,454	3,529
106	Pembuatan produk bijian, kanji dan produk berkanji	10,241	10,288	10,286	10,592	10,528
10611	Pengilangan beras	4,676	4,649	4,638	4,935	4,890
10613	Pengilangan tepung	4,604	4,597	4,630	4,613	4,608
	Industri lain	961	1,042	1,017	1,044	1,030
107	Pembuatan produk makanan lain	115,195	115,404	115,937	120,777	121,010
10711	Pembuatan biskut dan cookies	12,219	12,190	12,112	12,108	12,052
10712	Pembuatan roti, kek dan produk bakeri lain	28,061	28,089	28,158	28,656	28,679
10713	Pembuatan produk snek	8,729	8,763	8,757	9,045	8,952
10721	Pembuatan gula	1,819	1,819	1,823	1,814	1,816
10731	Pembuatan produk koko	2,771	2,712	2,714	2,712	2,695
10732 & 10733	Pembuatan coklat dan produk coklat					
	Pembuatan konfeksi gula	8,715	8,772	8,727	8,793	8,742
10793	Pembuatan sos dan bahan perasa	8,484	8,444	8,441	9,656	9,581
10799	Pembuatan produk makanan lain t.t.t.l.	11,917	12,162	12,699	14,006	14,504
	Industri lain	32,481	32,453	32,506	33,987	33,989
108/ 10800	Pembuatan makanan haiwan tersedia	17,859	17,878	17,920	17,699	17,728
110	Pembuatan minuman ringan	15,505	15,468	15,681	15,982	16,067
11041	Pembuatan minuman ringan	10,153	10,153	10,302	10,257	10,293
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	4,115	4,174	4,144	4,204	4,216
	Industri lain	1,237	1,141	1,234	1,521	1,558
120/ 12000	Pembuatan produk tembakau	1,114	1,185	1,160	1,243	1,429
131	Pemintalan, penenunan dan penyiapan tekstil	13,607	13,505	13,348	13,250	13,410
13110 & 13120	Penyediaan dan pemintalan gentian tekstil					
	Penenunan tekstil	9,933	9,852	9,775	9,672	9,757
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	2,923	2,906	2,880	2,852	2,951
	Industri lain	751	746	693	727	702
139	Pembuatan tekstil lain	13,426	13,386	13,350	13,997	13,856
13910	Pembuatan fabrik dikait dan dikrusye	5,360	5,340	5,321	5,484	5,470
	Industri lain	8,065	8,046	8,030	8,513	8,385
141	Pembuatan pakaian, kecuali pakaian berbulu	41,484	40,770	40,706	40,744	40,988
14102	Pembuatan pakaian	30,028	29,340	29,245	29,105	29,335
	Industri lain	11,456	11,430	11,461	11,639	11,654
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1,206	1,193	1,213	1,162	1,183
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	5,540	5,587	5,675	5,684	5,762
152	Pembuatan kasut	6,120	6,187	6,159	6,339	6,441
15201 & 15203	Pembuatan kasut kulit					
	Pembuatan kasut getah	3,404	3,449	3,469	3,553	3,595
	Industri lain	2,716	2,737	2,690	2,786	2,846
161/ 16100	Pengilangan dan pengetaman kayu	24,626	24,643	24,555	24,817	24,852

2021									Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
13,037	13,035	13,041	13,006	12,996	12,918	13,491	13,120	13,068	Processing and preserving of meat
16,315	16,127	15,947	15,839	15,858	15,745	15,917	15,785	15,681	Processing and preserving of fish, crustaceans and molluscs
									Canning of fish, crustaceans and molluscs
13,913	13,758	13,609	13,579	13,495	13,399	13,478	13,344	13,152	Processing, curing and preserving of fish, crustacean and molluscs
2,402	2,370	2,338	2,260	2,363	2,346	2,439	2,441	2,529	Other industry
11,339	11,403	11,272	11,265	11,362	10,436	10,290	10,063	9,990	Processing and preserving of fruits and vegetable
									Pineapple canning
1,129	1,114	1,112	1,109	1,103	550	546	545	537	Manufacture of jams, marmalades and table jellies
10,210	10,289	10,160	10,156	10,259	9,886	9,744	9,518	9,453	Other industry
77,416	77,445	77,719	77,731	78,412	78,352	79,380	77,830	79,039	Manufacture of vegetable and animal oils and fats
									Manufacture of crude and refined vegetable oil
3,686	3,656	3,685	3,657	3,657	3,663	3,657	3,657	3,826	Manufacture of compound cooking fats
2,388	2,372	2,363	2,363	2,340	2,359	2,362	2,362	2,428	Manufacture of coconut oil
71,342	71,417	71,671	71,711	72,415	72,329	73,361	71,811	72,785	Other industry
13,757	13,896	13,855	13,848	13,799	13,853	13,864	13,236	13,176	Manufacture of dairy products
10,152	10,222	10,191	10,194	10,174	10,252	10,245	9,767	9,765	Manufacture of condensed, powdered and evaporated milk
3,604	3,674	3,664	3,654	3,625	3,601	3,619	3,468	3,411	Other industry
10,535	10,501	10,548	10,530	10,517	10,620	10,852	10,806	10,725	Manufacture of grain mill products, starches and starch products
4,881	4,836	4,854	4,832	4,821	4,991	5,157	5,116	4,882	Rice milling
4,640	4,652	4,703	4,710	4,715	4,687	4,729	4,708	4,808	Flour milling
1,014	1,013	991	988	981	942	966	982	1,035	Other industry
121,149	121,472	120,666	121,787	122,035	121,830	122,231	121,961	123,360	Manufacture of other food products
11,993	12,107	11,940	11,983	11,870	11,854	11,983	12,308	14,468	Manufacture of biscuits and cookies
28,682	29,196	29,021	30,085	30,156	30,285	30,498	30,053	30,196	Manufacture of bread, cakes and other bakery products
8,860	8,804	8,769	8,815	8,760	8,731	8,428	8,362	8,389	Manufacture of snack products
1,818	1,806	1,801	1,799	1,793	1,815	1,822	1,770	1,735	Manufacture of sugar
2,679	2,655	2,622	2,634	2,641	2,610	2,603	2,519	2,555	Manufacture of cocoa products
									Manufacture of chocolate and chocolate products
8,676	8,661	8,625	8,561	8,493	8,484	8,433	8,490	8,030	Manufacture of sugar confectionery
9,512	9,470	9,401	9,316	9,274	9,316	9,413	9,463	9,868	Manufacture of sauces and condiments
14,596	14,383	14,317	14,380	14,471	14,164	14,432	14,300	13,720	Manufacture of other food products n.e.c.
34,333	34,391	34,171	34,213	34,578	34,573	34,619	34,697	34,399	Other industry
17,733	17,794	17,766	17,700	18,037	15,819	15,829	15,484	15,071	Manufacture of prepared animal feeds
16,115	15,961	15,845	15,637	15,622	15,995	16,029	15,759	15,759	Manufacture of beverages
10,327	10,252	10,185	10,195	10,065	10,070	10,108	10,113	10,143	Manufacture of soft drinks
4,227	4,165	4,124	3,960	4,091	4,064	4,063	3,901	3,986	Production of natural mineral waters and other bottled waters
1,560	1,544	1,536	1,482	1,466	1,861	1,859	1,746	1,629	Other industry
1,412	1,153	1,157	1,151	1,113	1,061	1,196	1,198	1,199	Manufacture of tobacco products
13,445	13,427	13,458	13,081	12,925	13,160	13,173	13,295	13,064	Spinning, weaving and finishing of textiles
									Preparation and spinning of textile fibres
9,712	9,686	9,671	9,494	9,371	9,276	9,252	9,215	9,216	Weaving of textiles
3,054	3,070	3,070	3,055	3,122	3,244	3,373	3,548	3,415	Dyeing, bleaching, printing and finishing of yarns and fabrics
679	671	717	532	432	640	548	532	433	Other industry
13,939	13,967	14,243	13,946	13,938	13,942	14,120	14,090	14,464	Manufacture of other textiles
5,448	5,496	5,613	5,592	5,595	5,576	5,721	5,751	5,863	Manufacture of knitted and crocheted fabrics
8,492	8,471	8,630	8,354	8,343	8,366	8,400	8,339	8,601	Other industry
40,980	40,804	41,302	39,166	38,873	39,261	38,661	38,498	41,287	Manufacture of wearing apparel, except fur apparel
29,357	29,329	29,885	28,689	28,505	28,850	28,387	28,141	30,074	Manufacture of clothings
11,623	11,475	11,417	10,477	10,368	10,410	10,273	10,357	11,214	Other industry
1,161	1,157	1,152	1,152	1,149	961	963	930	965	Manufacture of articles of fur, knitted and crocheted apparel
									Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur
5,720	5,718	5,754	5,553	5,443	5,692	5,918	6,090	6,122	
6,295	6,324	6,327	6,073	5,985	5,940	6,067	6,145	6,186	Manufacture of footwear
									Manufacture of leather footwear
3,486	3,529	3,543	3,312	3,293	3,261	3,238	3,335	3,396	Manufacture of rubber footwear
2,809	2,795	2,784	2,760	2,692	2,678	2,829	2,810	2,790	Other industry
24,769	24,984	24,965	22,858	24,440	24,881	25,401	25,365	25,505	Sawmilling and planning of wood

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2020				2021			2020 (Jan. - Nov.)
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	72,689	66,572	71,607	67,758	67,975	66,572	65,389	65,967	67,726	66,757
16211	Pembuatan kepingan venier dan papan lapis	43,122	37,402	42,709	38,814	38,768	37,402	36,056	36,327	38,302	37,818
16212	Pembuatan papan partikel dan papan gentian	7,959	6,938	7,637	7,046	6,974	6,938	6,979	6,513	6,360	6,939
16221	Perfukangan kayu untuk jurubina	10,718	11,223	10,638	11,107	11,324	11,223	11,560	11,892	11,920	11,197
	Industri lain	10,891	11,010	10,623	10,791	10,909	11,010	10,794	11,235	11,144	10,804
170	Pembuatan kertas dan produk kertas	57,044	54,294	57,106	52,828	53,264	54,294	55,320	54,235	54,814	53,997
17010	Pembuatan pulpa, kertas dan kertas tebal	7,960	8,193	8,089	7,920	8,036	8,193	8,308	8,058	8,132	8,120
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	23,404	21,987	23,073	20,996	21,518	21,987	22,190	22,041	22,055	21,842
17091	Pembuatan sampul surat dan kad surat	1,994	1,804	1,981	1,764	1,786	1,804	1,858	1,811	1,787	1,814
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,970	10,360	11,260	10,248	10,213	10,360	10,459	10,350	10,366	10,344
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	7,331	6,705	7,314	6,674	6,503	6,705	7,194	6,800	7,256	6,649
	Industri lain	5,385	5,245	5,389	5,227	5,209	5,245	5,312	5,174	5,217	5,228
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	66,042	65,015	66,434	63,311	63,738	65,015	65,618	63,077	62,499	65,244
18110	Percetakan	53,891	52,308	53,924	50,676	50,974	52,308	52,886	50,851	50,324	52,508
18120	Aktiviti perkhidmatan berkaitan percetakan	12,150	12,707	12,511	12,636	12,764	12,707	12,733	12,226	12,175	12,736
	&										
18200	Penerbitan semula media rakaman										
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	17,918	16,623	18,013	15,901	16,311	16,623	17,207	16,812	17,148	16,416
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	54,647	50,632	55,301	48,601	49,921	50,632	49,516	47,941	48,207	50,326
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	7,250	6,726	7,456	6,394	6,540	6,726	7,226	7,174	7,312	6,712
20112	Pembuatan kimia organik asas										
&											
20113	Pembuatan sebatian bukan organik	16,926	16,622	17,091	15,957	16,248	16,622	16,731	16,380	16,537	16,465
20121	Pembuatan baja										
&											
20129	Pembuatan produk campuran nitrogen	11,600	11,002	11,537	10,507	10,762	11,002	11,372	10,368	10,481	10,844
20131	Pembuatan plastik dalam bentuk primer	16,454	13,911	16,930	13,427	14,003	13,911	11,713	11,622	11,441	13,907
	Industri lain	2,417	2,372	2,289	2,315	2,368	2,372	2,474	2,397	2,436	2,397
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	53,511	50,796	54,136	50,638	51,320	50,796	55,458	53,701	53,091	51,273
20210	Pembuatan racun perosak dan produk agrokimia lain	3,450	3,426	3,407	3,416	3,456	3,426	3,912	3,852	3,826	3,412
20221	Pembuatan cat, varnis dan penyadur dan mastik	11,835	10,113	11,685	10,278	10,087	10,113	12,081	10,065	9,795	10,129
20222	Pembuatan dakwat cetak	4,075	3,946	4,018	4,006	4,023	3,946	4,856	4,893	4,893	3,961
20231	Pembuatan sabun dan bahan pencuci, penyediaan										
&	membersih dan mengilat	20,839	20,518	20,756	19,982	20,800	20,518	20,838	21,010	20,643	20,749
20232	Pembuatan pewangi dan penyediaan dandanan diri										
20291	Pembuatan plat fotografi, filem, sensitized paper dan										
&	other sensitized unexposed materials										
20292	Pembuatan dakwat menulis dan melukis	12,825	12,280	13,759	12,455	12,458	12,280	13,272	13,379	13,436	12,508
&											
20299	Pembuatan produk kimia lain t.t.t.l.										
	Industri lain	486	514	510	501	496	514	499	502	497	514
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	21,320	23,344	20,994	23,540	23,751	23,344	23,420	26,265	26,547	23,414
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	15,082	16,629	14,985	16,766	16,948	16,629	16,716	18,571	18,614	16,647
	Industri lain	6,238	6,714	6,009	6,773	6,803	6,714	6,704	7,694	7,932	6,767
221	Pembuatan produk getah	117,846	121,606	118,149	119,860	121,348	121,606	122,761	127,350	125,645	121,780
22111	Pembuatan tayar getah untuk kenderaan	8,142	7,319	8,190	7,792	7,657	7,319	7,227	7,869	6,885	7,549
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,038	2,147	2,140	2,297	2,185	2,147	2,066	1,945	2,046	2,174
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	17,360	18,011	17,557	18,064	18,262	18,011	17,964	17,930	17,343	18,222
&											
22193	Pengilangan semula getah dan prosesan susu getah										
22192	Pembuatan sarung tangan getah	61,514	63,169	61,631	62,547	62,555	63,169	63,932	67,375	67,256	62,814
22199	Pembuatan produk getah lain yang t.t.t.l.	28,792	30,960	28,631	29,160	30,689	30,960	31,573	32,231	32,114	31,021
222	Pembuatan produk plastik	148,903	154,318	149,699	153,332	154,603	154,318	155,602	155,262	152,014	154,143
22201	Pembuatan produk plastik separa siap										
&		34,647	35,653	33,520	34,296	35,645	35,653	35,213	35,656	34,467	35,553
22202	Pembuatan produk plastik siap										
22203	Pembuatan artikel plastik untuk pembungkusan	44,007	46,609	44,498	46,483	46,888	46,609	46,979	47,228	46,712	46,614
22204	Pembuatan barangan plastik jurubina	3,595	3,338	3,569	3,351	3,332	3,338	3,463	3,327	3,332	3,352
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	11,920	12,867	12,027	12,638	12,871	12,867	13,249	13,124	12,920	12,820
22209	Pembuatan pelbagai produk plastik t.t.t.l.	54,734	55,851	56,085	56,564	55,867	55,851	56,698	55,927	54,582	55,804
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	18,672	17,853	18,226	17,758	17,755	17,853	18,144	17,782	17,490	17,803

2021		2020								Group Description/Period
(Jan. - Nov.)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	
68,602	73,984	73,526	71,607	66,576	67,586	67,758	67,502	67,144	67,975	Manufacture of products of wood, cork, straw and plaiting materials
38,045	43,331	43,579	42,709	38,521	38,672	38,814	38,344	38,046	38,768	Manufacture of veneer sheets and plywood
6,696	7,947	7,692	7,637	7,474	7,281	7,046	7,008	6,960	6,974	Manufacture of particle board and fibreboard
11,401	11,728	11,316	10,638	10,677	10,936	11,107	11,331	11,292	11,324	Manufacture of builders' carpentry
12,460	10,978	10,939	10,623	9,905	10,697	10,791	10,819	10,846	10,909	Other industry
56,618	57,734	57,653	57,106	52,322	52,428	52,828	52,806	52,754	53,264	Manufacture of paper and paper products
8,785	8,274	8,593	8,089	7,665	7,923	7,920	7,989	7,944	8,036	Manufacture of pulp, paper and paperboard
22,432	22,682	23,045	23,073	20,888	20,751	20,996	21,188	21,198	21,518	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,711	1,967	1,957	1,981	1,762	1,797	1,764	1,693	1,709	1,786	Manufacture of envelopes and letter-card
11,223	11,901	11,281	11,260	10,359	10,186	10,248	10,180	10,213	10,213	Manufacture of household and personal hygiene paper
7,195	7,367	7,323	7,314	6,570	6,605	6,674	6,591	6,528	6,503	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,272	5,544	5,455	5,389	5,078	5,166	5,227	5,165	5,163	5,209	Other industry
67,089	68,267	67,872	66,434	61,297	61,722	63,311	64,118	64,003	63,738	Printing, service activities related to printing and reproduction of recorded media
54,398	55,399	55,230	53,924	48,877	49,239	50,676	51,387	51,268	50,974	Printing
12,691	12,867	12,642	12,511	12,420	12,483	12,636	12,732	12,735	12,764	Service activities related to printing
										Reproduction of recorded media
16,982	18,106	18,070	18,013	16,307	15,944	15,901	16,311	16,283	16,311	Manufacture of refined petroleum products
46,707	56,909	55,677	55,301	48,626	48,785	48,601	49,802	49,875	49,921	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
5,504	7,485	7,483	7,456	6,335	6,380	6,394	6,380	6,467	6,540	Manufacture of liquefied or compressed inorganic industrial or medical gases
17,993	17,477	17,292	17,091	15,768	16,105	15,957	16,281	16,230	16,248	Manufacture of basic organic chemicals
										Manufacture of inorganic compounds
9,222	12,273	11,535	11,537	10,796	10,523	10,507	10,725	10,776	10,762	Manufacture of fertilizers
11,307	17,189	17,024	16,930	13,442	13,475	13,427	14,066	14,033	14,003	Manufacture of associated nitrogen products
2,680	2,486	2,343	2,289	2,285	2,303	2,315	2,350	2,369	2,368	Manufacture of plastics in primary forms
										Other industry
55,293	54,265	54,693	54,136	49,976	50,245	50,638	51,039	51,294	51,320	Manufacture of other chemical products and man-made fibres
4,005	3,505	3,491	3,407	3,397	3,365	3,416	3,444	3,447	3,456	Manufacture of pesticides and other agrochemical products
9,603	11,914	11,762	11,685	10,383	10,251	10,278	10,212	10,214	10,087	Manufacture of paints, varnishes and similar coatings ink and mastics
4,914	4,065	4,018	4,018	4,012	4,006	4,006	4,006	4,014	4,023	Manufacture of printing ink
20,680	20,831	21,154	20,756	19,264	19,730	19,982	20,396	20,689	20,800	Manufacture of soap and detergents, cleaning and polishing preparations
										Manufacture of perfumes and toilet preparations
										Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
15,635	13,437	13,758	13,759	12,422	12,407	12,455	12,473	12,423	12,458	Manufacture of writing and drawing ink
										Manufacture of other chemical products n.e.c.
457	513	511	510	498	486	501	507	507	496	Other industry
25,048	21,264	21,209	20,994	23,338	23,413	23,540	23,540	23,713	23,751	Manufacture of pharmaceuticals, medicinal chemical and botanical products
18,112	15,060	14,987	14,985	16,618	16,727	16,766	16,737	16,905	16,948	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
6,937	6,204	6,222	6,009	6,720	6,687	6,773	6,803	6,809	6,803	Other industry
122,967	119,366	118,186	118,149	118,989	119,671	119,860	120,406	120,519	121,348	Manufacture of rubber products
6,925	8,034	8,212	8,190	8,145	7,933	7,792	7,681	7,669	7,657	Manufacture of rubber tyres for vehicles
2,235	2,084	2,132	2,140	2,254	2,250	2,297	2,212	2,208	2,185	Manufacture of interchangeable tyre treads and retreading rubber tyres
16,836	18,057	17,681	17,557	18,226	18,122	18,064	18,193	18,253	18,262	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
63,588	62,034	61,572	61,631	61,658	62,324	62,547	62,880	62,904	62,555	Rubber remilling and latex processing
33,384	29,157	28,589	28,631	28,706	29,042	29,160	29,440	29,485	30,689	Manufacture of rubber gloves
										Manufacture of other rubber products n.e.c.
153,703	150,059	150,275	149,699	151,147	152,817	153,332	154,034	155,306	154,603	Manufacture of plastics products
33,870	34,784	33,535	33,520	33,764	33,997	34,296	34,382	35,834	35,645	Manufacture of semi-manufactures of plastic products
										Manufacture of finished plastic products
48,154	44,682	44,620	44,498	45,968	46,272	46,483	46,815	46,836	46,888	Manufacture of plastic articles for the packing of goods
3,332	3,773	3,583	3,569	3,260	3,587	3,351	3,303	3,314	3,332	Manufacture of builders' plastics ware
13,012	12,079	12,082	12,027	12,139	12,401	12,638	12,927	12,846	12,871	Manufacture of plastic tableware, kitchenware and toilet articles
55,334	54,741	56,454	56,085	56,016	56,560	56,564	56,607	56,476	55,867	Manufacture of diverse plastic products n.e.c.
17,921	18,859	18,577	18,226	17,833	17,762	17,758	17,691	17,693	17,755	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				
		Okt.	Nov.	Dis.	Jan.	Feb.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	66,193	66,757	66,572	67,192	66,363
16211	Pembuatan kepingan venier dan papan lapis	37,651	37,818	37,402	37,144	36,608
16212	Pembuatan papan partikel dan papan gentian	6,725	6,939	6,938	6,957	6,968
16221	Pertukangan kayu untuk jurubina	11,362	11,197	11,223	11,803	11,691
	Industri lain	10,455	10,804	11,010	11,289	11,097
170	Pembuatan kertas dan produk kertas	54,038	53,997	54,294	55,040	55,359
17010	Pembuatan pulpa, kertas dan kertas tebal	8,113	8,120	8,193	8,234	8,271
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	21,840	21,842	21,987	22,014	22,128
17091	Pembuatan sampul surat dan kad surat	1,800	1,814	1,804	1,888	1,873
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	10,332	10,344	10,360	10,546	10,506
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	6,666	6,649	6,705	6,861	7,183
	Industri lain	5,288	5,228	5,245	5,497	5,398
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	64,457	65,244	65,015	65,218	65,262
18110	Percetakan	51,676	52,508	52,308	52,551	52,566
18120	Aktiviti perkhidmatan berkaitan percetakan &	12,781	12,736	12,707	12,667	12,696
18200	Penerbitan semula media rakaman					
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	16,433	16,416	16,623	16,790	16,792
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	49,769	50,326	50,632	49,507	49,469
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	6,525	6,712	6,726	7,293	7,260
20112	Pembuatan kimia organik asas	16,252	16,465	16,622	16,822	16,776
20113	Pembuatan sebatian bukan organik					
20121	Pembuatan baja	10,770	10,844	11,002	11,337	11,304
20129	Pembuatan produk campuran nitrogen	13,833	13,907	13,911	11,616	11,665
20131	Pembuatan plastik dalam bentuk primer	2,388	2,397	2,372	2,438	2,465
	Industri lain					
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	51,006	51,273	50,796	52,650	52,560
20210	Pembuatan racun perosak dan produk agrokimia lain	3,428	3,412	3,426	4,134	4,022
20221	Pembuatan cat, varnis dan penyadur dan mastik	10,080	10,129	10,113	10,471	10,150
20222	Pembuatan dakwat cetak	3,967	3,961	3,946	3,946	3,949
20231	Pembuatan sabun dan bahan pencuci, penyediaan membersih dan mengilat	20,603	20,749	20,518	20,672	20,755
20232	Pembuatan pewangi dan penyediaan dandanan diri					
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	12,432	12,508	12,280	12,918	13,181
20292	Pembuatan dakwat menulis dan melukis					
20299	Pembuatan produk kimia lain t.t.t.l.	496	514	514	509	504
	Industri lain					
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	23,531	23,414	23,344	23,328	23,477
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan	16,748	16,647	16,629	16,602	16,762
	Industri lain	6,782	6,767	6,714	6,726	6,715
221	Pembuatan produk getah	121,586	121,780	121,606	122,565	121,922
22111	Pembuatan tayar getah untuk kenderaan	7,665	7,549	7,319	7,433	7,330
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	2,200	2,174	2,147	2,145	2,104
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	18,199	18,222	18,011	18,074	17,851
22193	Pengilangan semula getah dan prosesan susu getah					
22192	Pembuatan sarung tangan getah	62,736	62,814	63,169	63,233	63,109
22199	Pembuatan produk getah lain yang t.t.t.l.	30,786	31,021	30,960	31,679	31,528
222	Pembuatan produk plastik	154,642	154,143	154,318	156,350	155,614
22201	Pembuatan produk plastik separa siap	35,567	35,553	35,653	35,674	35,337
22202	Pembuatan produk plastik siap					
22203	Pembuatan artikel plastik untuk pembungkusan	47,059	46,614	46,609	47,579	47,144
22204	Pembuatan barangan plastik jurubina	3,328	3,352	3,338	3,434	3,455
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	12,818	12,820	12,867	13,118	13,143
22209	Pembuatan pelbagai produk plastik t.t.t.l.	55,869	55,804	55,851	56,545	56,535
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	17,767	17,803	17,853	18,034	18,088

2021									Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
65,389	65,106	67,657	65,967	66,545	66,584	67,726	67,613	68,602	Manufacture of products of wood, cork, straw and plaiting materials
36,056	35,781	37,475	36,327	36,914	37,159	38,302	37,726	38,045	Manufacture of veneer sheets and plywood
6,979	6,938	6,940	6,513	6,490	6,440	6,360	6,450	6,696	Manufacture of particle board and fibreboard
11,560	11,694	11,913	11,892	11,847	11,837	11,920	12,021	11,401	Manufacture of builders' carpentry
10,794	10,693	11,329	11,235	11,293	11,148	11,144	11,416	12,460	Other industry
55,320	54,957	54,800	54,235	53,891	53,894	54,814	55,655	56,618	Manufacture of paper and paper products
8,308	8,218	8,182	8,058	8,055	7,984	8,132	8,720	8,785	Manufacture of pulp, paper and paperboard
22,190	22,026	22,029	22,041	21,294	21,579	22,055	22,407	22,432	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
1,858	1,819	1,814	1,811	1,804	1,794	1,787	1,773	1,711	Manufacture of envelopes and letter-card
10,459	10,430	10,368	10,350	10,298	10,254	10,366	10,337	11,223	Manufacture of household and personal hygiene paper
7,194	7,133	7,117	6,800	7,231	7,187	7,256	7,192	7,195	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
5,312	5,332	5,291	5,174	5,209	5,096	5,217	5,226	5,272	Other industry
65,618	63,679	63,844	63,077	62,788	62,872	62,499	65,050	67,089	Printing, service activities related to printing and reproduction of recorded media
52,886	51,263	51,435	50,851	50,608	50,627	50,324	52,451	54,398	Printing
12,733	12,416	12,410	12,226	12,181	12,244	12,175	12,600	12,691	Service activities related to printing
									Reproduction of recorded media
17,207	16,752	16,759	16,812	17,135	17,138	17,148	17,060	16,982	Manufacture of refined petroleum products
49,516	48,366	48,155	47,941	48,372	48,356	48,207	47,951	46,707	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
7,226	7,226	7,136	7,174	7,260	7,264	7,312	7,243	5,504	Manufacture of liquefied or compressed inorganic industrial or medical gases
16,731	16,637	16,612	16,380	16,632	16,613	16,537	16,634	17,993	Manufacture of basic organic chemicals
11,372	10,394	10,377	10,368	10,545	10,554	10,481	10,370	9,222	Manufacture of inorganic compounds
11,713	11,706	11,615	11,622	11,549	11,515	11,441	11,274	11,307	Manufacture of fertilizers
2,474	2,403	2,414	2,397	2,386	2,410	2,436	2,430	2,680	Manufacture of associated nitrogen products
									Manufacture of plastics in primary forms
55,458	53,088	53,548	53,701	53,114	52,958	53,091	54,577	55,293	Manufacture of other chemical products and man-made fibres
3,912	3,902	3,854	3,852	3,846	3,822	3,826	3,848	4,005	Manufacture of pesticides and other agrochemical products
12,081	10,108	10,074	10,065	10,073	9,989	9,795	9,821	9,603	Manufacture of paints, varnishes and similar coatings ink and mastics
4,856	4,790	4,802	4,893	4,902	4,890	4,893	4,796	4,914	Manufacture of printing ink
20,838	20,552	21,060	21,010	20,604	20,545	20,643	20,604	20,680	Manufacture of soap and detergents, cleaning and polishing preparations
									Manufacture of perfumes and toilet preparations
									Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
13,272	13,239	13,261	13,379	13,189	13,211	13,436	15,011	15,635	Manufacture of writing and drawing ink
499	497	496	502	500	500	497	497	457	Manufacture of other chemical products n.e.c.
									Other industry
23,420	26,421	26,220	26,265	26,471	26,721	26,547	26,387	25,048	Manufacture of pharmaceuticals, medicinal chemical and botanical products
16,716	18,728	18,593	18,571	18,706	18,849	18,614	18,662	18,112	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
6,704	7,694	7,628	7,694	7,765	7,872	7,932	7,725	6,937	Other industry
122,761	127,930	127,583	127,350	126,402	125,912	125,645	125,212	122,967	Manufacture of rubber products
7,227	7,868	7,887	7,869	6,925	6,910	6,885	6,839	6,925	Manufacture of rubber tyres for vehicles
2,066	2,134	2,056	1,945	1,955	2,013	2,046	2,085	2,235	Manufacture of interchangeable tyre treads and retreading rubber tyres
17,964	18,257	18,010	17,930	18,092	17,962	17,343	17,133	16,836	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
63,932	66,952	67,031	67,375	67,244	67,042	67,256	66,857	63,588	Rubber remilling and latex processing
31,573	32,720	32,599	32,231	32,186	31,986	32,114	32,299	33,384	Manufacture of rubber gloves
155,602	157,585	157,137	155,262	154,029	153,404	152,014	152,499	153,703	Manufacture of other rubber products n.e.c.
									Manufacture of plastics products
35,213	36,530	36,348	35,656	34,894	34,573	34,467	34,547	33,870	Manufacture of semi-manufactures of plastic products
46,979	47,556	47,488	47,228	46,731	46,636	46,712	47,132	48,154	Manufacture of finished plastic products
3,463	3,452	3,417	3,327	3,338	3,349	3,332	3,374	3,332	Manufacture of plastic articles for the packing of goods
13,249	13,295	13,298	13,124	12,855	12,925	12,920	12,999	13,012	Manufacture of builders' plastics ware
56,698	56,753	56,585	55,927	56,211	55,920	54,582	54,447	55,334	Manufacture of plastic tableware, kitchenware and toilet articles
									Manufacture of diverse plastic products n.e.c.
18,144	18,253	18,032	17,782	17,691	17,714	17,490	18,012	17,921	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2020				2021			2020 (Jan. - Nov.)
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	88,345	85,533	88,110	86,965	86,012	85,533	86,053	84,988	86,338	86,192
23911 & 23921	Pembuatan mortar refraktori dan konkrit	11,268	11,012	11,941	11,594	11,201	11,012	11,682	11,585	11,268	11,119
23930	Pembuatan produk porselin dan seramik lain	4,983	5,438	5,071	5,328	5,460	5,438	5,171	5,271	5,025	5,438
23941	Pembuatan simen hidrolik	7,545	7,223	7,550	7,601	7,192	7,223	7,393	7,392	7,368	7,185
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	17,677	15,696	17,306	16,300	16,210	15,696	14,953	15,129	16,178	15,737
23952 & 23953 & 23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan; Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	29,864	29,327	28,749	29,165	28,939	29,327	29,886	28,821	29,458	29,760
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.										
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	8,389 8,619	8,190 8,647	8,798 8,696	8,282 8,695	8,319 8,692	8,190 8,647	8,351 8,618	8,199 8,591	8,417 8,624	8,307 8,646
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	50,591	53,365	51,025	49,504	49,416	53,365	52,662	51,756	50,739	50,043
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	45,246	42,793	45,770	42,855	42,862	42,793	43,467	41,629	41,662	42,885
243	Pengacuan logam	15,823	14,524	15,172	14,312	14,564	14,524	15,603	14,511	14,507	14,464
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	55,152	60,344	54,737	58,265	59,964	60,344	61,301	57,540	59,885	60,063
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	38,292	41,143	37,538	40,089	41,064	41,143	42,112	39,080	41,148	41,187
25120	Pembuatan produk struktur logam lain										
25120	Pembuatan tangki, takungan dan kontena daripada logam	9,403	10,782	9,494	9,767	10,503	10,782	10,747	10,497	10,807	10,619
	Industri lain	7,458	8,419	7,705	8,409	8,397	8,419	8,443	7,963	7,930	8,257
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	94,074	94,309	94,510	93,929	94,080	94,309	96,655	94,320	94,729	93,987
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	20,156	21,355	20,008	20,832	21,115	21,355	21,586	21,444	21,559	21,150
25920	Rawatan dan penyalutan logam; menggunakan	11,151	11,576	11,104	11,143	11,026	11,576	12,771	11,930	11,648	11,580
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,808	7,766	7,810	7,620	7,653	7,766	7,681	7,596	7,470	7,721
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	19,141	19,267	19,576	19,573	19,455	19,267	18,955	18,562	19,134	19,198
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya										
25994	Pembuatan barangan rumah daripada logam	3,694	3,451	3,599	3,547	3,526	3,451	3,528	3,141	3,064	3,449
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	21,071	20,712	21,327	21,080	20,969	20,712	21,812	21,518	21,619	20,714
	Industri lain	11,054	10,183	11,086	10,133	10,335	10,183	10,322	10,127	10,236	10,175
261	Pembuatan komponen dan papan elektronik	212,010	200,705	207,383	196,237	196,263	200,705	204,576	209,068	211,084	200,518
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	121,653	111,358	117,659	110,928	110,178	111,358	113,322	116,030	118,140	111,944
26103 & 26104 & 26105	Pembuatan kapasitor dan perintang elektrik										
26104	Pembuatan papan litar bercetak	75,038	75,518	74,825	71,499	72,597	75,518	77,520	78,999	79,110	74,863
26105	Pembuatan komponen paparan										
26109	Pembuatan komponen lain untuk aplikasi elektronik	15,320	13,829	14,899	13,809	13,488	13,829	13,734	14,039	13,835	13,711
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	58,883	60,287	64,908	58,939	59,368	60,287	61,218	61,865	63,876	60,171
263/ 26300	Pembuatan peralatan komunikasi	22,041	23,686	23,102	22,636	23,315	23,686	23,250	24,201	24,171	23,579
264/ 26400	Pembuatan peralatan elektronik pengguna	33,867	33,999	34,097	34,060	34,672	33,999	33,624	33,516	34,256	34,046
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	29,359	27,479	30,141	27,862	27,589	27,479	28,566	28,467	28,652	27,485
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	22,102	21,067	22,964	21,329	21,117	21,067	22,007	22,100	22,424	21,134
26520	Pembuatan kelengkapan kawalan proses										
26520	Pembuatan jam tangan dan jam dan bahagiannya	7,256	6,412	7,176	6,533	6,472	6,412	6,558	6,367	6,228	6,351
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	13,359	12,909	13,999	12,811	12,822	12,909	12,881	13,088	13,384	12,827

2021		2020								Group Description/Period
(Jan. - Nov.)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	
86,536	90,104	88,893	88,110	86,071	86,074	86,965	86,113	86,065	86,012	Manufacture of non-metallic mineral products n.e.c.
										Manufacture of refractory mortars and concretes
11,338	12,033	12,065	11,941	11,538	11,638	11,594	11,183	11,174	11,201	Manufacture of non-refractory ceramic
5,087	5,012	5,046	5,071	5,303	5,287	5,328	5,365	5,389	5,460	Manufacture of other porcelain and ceramic products
7,642	7,563	7,507	7,550	7,507	7,559	7,601	7,218	7,220	7,192	Manufacture of hydraulic cement
15,973	17,778	17,723	17,306	15,887	16,316	16,300	16,263	16,284	16,210	Manufacture of ready-mix and dry-mix concrete and mortars
										Manufacture of precast concrete, cement or artificial stone articles for use in construction
30,169	29,952	29,088	28,749	28,719	28,511	29,165	29,005	28,843	28,939	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
8,624	8,871	8,771	8,798	8,481	8,226	8,282	8,348	8,354	8,319	Manufacture of other articles of concrete, cement and plaster n.e.c.
7,703	8,896	8,694	8,696	8,636	8,537	8,695	8,732	8,800	8,692	Manufacture of other non-metallic mineral products n.e.c.
										Other industry
51,801	51,376	51,940	51,025	49,071	49,690	49,504	48,802	49,187	49,416	Manufacture of basic iron and steel
41,967	45,415	45,869	45,770	43,450	43,106	42,855	42,756	42,827	42,862	Manufacture of basic precious and other non-ferrous metals
14,750	16,002	15,281	15,172	14,605	14,426	14,312	14,489	14,565	14,564	Casting of metals
59,486	54,993	55,653	54,737	52,809	55,143	58,265	59,712	59,497	59,964	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
										Manufacture of metal doors, windows and their frames, shutters and gates
40,222	37,824	38,349	37,538	35,227	36,944	40,089	40,743	40,618	41,064	Manufacture of other structural metal products
10,959	9,269	9,570	9,494	9,570	9,791	9,767	10,511	10,448	10,503	Manufacture of tanks, reservoirs and containers of metal
8,305	7,900	7,734	7,705	8,012	8,408	8,409	8,458	8,431	8,397	Other industry
96,059	94,990	95,152	94,510	94,615	94,127	93,929	94,880	94,630	94,080	Manufacture of other fabricated metal products; metal working service activities
21,806	20,291	20,310	20,008	20,975	20,846	20,832	21,148	21,134	21,115	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
12,055	11,091	11,141	11,104	10,885	11,190	11,143	11,483	11,187	11,026	Treatment and coating of metals; machining
7,685	7,816	7,806	7,810	7,654	7,629	7,620	7,607	7,704	7,653	Manufacture of tins and cans for food products, collapsible tubes and boxes
										Manufacture of metal cable, plaited bands and similar articles
19,260	19,411	19,723	19,576	19,131	19,539	19,573	19,566	19,538	19,455	Manufacture of bolts, screws, nuts and similar threaded products
3,210	3,873	3,602	3,599	3,576	3,553	3,547	3,524	3,519	3,526	Manufacture of metal household articles
21,563	21,338	21,512	21,327	21,022	21,063	21,080	21,228	21,214	20,969	Manufacture of any other fabricated metal products n.e.c.
10,480	11,170	11,058	11,086	11,372	10,308	10,133	10,325	10,335	10,335	Other industry
216,965	212,699	210,895	207,383	196,628	196,239	196,237	196,753	196,635	196,263	Manufacture of electronic components and boards
										Manufacture of diodes, transistors and similar semiconductor devices
119,077	121,662	119,534	117,659	112,190	111,475	110,928	110,382	110,090	110,178	Manufacture of electronic integrated circuits micro assemblies
										Manufacture of electrical capacitors and resistors
83,795	76,493	76,442	74,825	70,451	70,924	71,499	72,693	72,932	72,597	Manufacture of printed circuit boards
										Manufacture of display components
14,092	14,544	14,918	14,899	13,987	13,840	13,809	13,678	13,614	13,488	Manufacture of other components for electronic applications
65,743	61,542	61,776	64,908	59,334	59,098	58,939	59,018	59,438	59,368	Manufacture of computers and peripheral equipment
24,497	22,781	23,030	23,102	21,857	21,994	22,636	22,979	22,996	23,315	Manufacture of communication equipment
34,181	33,925	33,929	34,097	32,739	32,792	34,060	34,645	34,607	34,672	Manufacture of consumer electronics
29,282	29,985	30,197	30,141	28,140	27,986	27,862	27,771	27,449	27,589	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
22,516	22,793	22,938	22,964	21,452	21,444	21,329	21,289	21,006	21,117	Manufacture of measuring, testing, navigating and control equipment
6,766	7,192	7,260	7,176	6,687	6,542	6,533	6,482	6,443	6,472	Manufacture of industrial process control equipment
										Manufacture of watches and clocks and parts
12,968	13,323	13,960	13,999	12,707	12,756	12,811	12,845	12,841	12,822	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				
		Okt.	Nov.	Dis.	Jan.	Feb.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	85,473	86,192	85,533	87,300	85,584
23911 &	Pembuatan mortar refraktori dan konkrit	10,894	11,119	11,012	11,381	11,074
23921	Pembuatan seramik bukan refraktori					
23930	Pembuatan produk porselin dan seramik lain	5,426	5,438	5,438	5,501	5,195
23941	Pembuatan simen hidrolik	7,185	7,185	7,223	7,393	7,387
23951	Pembuatan konkrit dan mortar siap bancuh dan bancuhan kering	15,616	15,737	15,696	16,036	15,022
23952 &	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;					
23953 &	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	29,398	29,760	29,327	29,660	29,743
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.					
23990	Pembuatan produk mineral bukan logam lain t.t.t.l. Industri lain	8,322 8,632	8,307 8,646	8,190 8,647	8,366 8,963	8,383 8,780
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	50,393	50,043	53,365	54,315	52,823
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	42,831	42,885	42,793	42,928	43,551
243	Pengacuan logam	14,476	14,464	14,524	14,616	15,068
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	59,560	60,063	60,344	60,676	60,608
25113 &	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	41,048	41,187	41,143	41,406	41,402
25119	Pembuatan produk struktur logam lain					
25120	Pembuatan tangki, takungan dan kontena daripada logam	10,481	10,619	10,782	10,786	10,770
	Industri lain	8,031	8,257	8,419	8,484	8,436
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	94,025	93,987	94,309	94,941	95,656
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	21,178	21,150	21,355	21,776	21,738
25920	Rawatan dan penyalutan logam; menggunakan	11,422	11,580	11,576	11,649	12,221
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	7,670	7,721	7,766	7,878	7,784
25992 &	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	19,362	19,198	19,267	19,311	19,074
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya					
25994	Pembuatan barangan rumah daripada logam	3,470	3,449	3,451	3,457	3,492
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	20,669	20,714	20,712	20,731	21,221
	Industri lain	10,255	10,175	10,183	10,139	10,126
261	Pembuatan komponen dan papan elektronik	199,080	200,518	200,705	200,915	203,356
26101 &	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	110,749	111,944	111,358	111,476	112,907
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro					
26103 &	Pembuatan kapasitor dan perintang elektrik					
26104 &	Pembuatan papan litar bercetak	74,779	74,863	75,518	75,637	76,630
26105	Pembuatan komponen paparan					
26109	Pembuatan komponen lain untuk aplikasi elektronik	13,553	13,711	13,829	13,802	13,819
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	59,630	60,171	60,287	61,091	61,454
263/ 26300	Pembuatan peralatan komunikasi	23,532	23,579	23,686	23,459	23,418
264/ 26400	Pembuatan peralatan elektronik pengguna	34,047	34,046	33,999	33,722	33,673
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	27,490	27,485	27,479	28,433	28,471
26511 &	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	21,152	21,134	21,067	22,074	22,013
26512	Pembuatan kelengkapan kawalan proses					
26520	Pembuatan jam tangan dan jam dan bahagiannya	6,338	6,351	6,412	6,359	6,458
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	12,858	12,827	12,909	12,863	12,872

2021									Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
86,053	86,732	86,745	84,988	85,553	85,627	86,338	85,832	86,536	Manufacture of non-metallic mineral products n.e.c.
									Manufacture of refractory mortars and concretes
11,682	11,683	11,683	11,585	11,313	11,252	11,268	10,991	11,338	Manufacture of non-refractory ceramic
5,171	5,178	5,359	5,271	5,227	5,206	5,025	5,115	5,087	Manufacture of other porcelain and ceramic products
7,393	7,470	7,418	7,392	7,379	7,357	7,368	7,370	7,642	Manufacture of hydraulic cement
14,953	15,292	15,337	15,129	15,389	15,811	16,178	15,710	15,973	Manufacture of ready-mix and dry-mix concrete and mortars
									Manufacture of precast concrete, cement or artificial stone articles for use in construction
29,886	29,888	29,741	28,821	29,373	29,177	29,458	29,408	30,169	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
									Manufacture of other articles of concrete, cement and plaster n.e.c.
8,351	8,419	8,478	8,199	8,285	8,250	8,417	8,605	8,624	Manufacture of other non-metallic mineral products n.e.c.
8,618	8,804	8,730	8,591	8,588	8,574	8,624	8,633	7,703	Other industry
52,662	51,560	51,505	51,756	50,837	50,710	50,739	51,914	51,801	Manufacture of basic iron and steel
43,467	43,113	42,833	41,629	41,339	41,298	41,662	41,874	41,967	Manufacture of basic precious and other non-ferrous metals
15,603	14,822	14,582	14,511	14,100	14,448	14,507	14,504	14,750	Casting of metals
61,301	60,278	60,224	57,540	58,258	58,340	59,885	60,091	59,486	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition
									Manufacture of metal doors, windows and their frames, shutters and gates
42,112	41,377	41,579	39,080	39,772	39,969	41,148	41,208	40,222	Manufacture of other structural metal products
10,747	10,728	10,668	10,497	10,584	10,459	10,807	10,869	10,959	Manufacture of tanks, reservoirs and containers of metal
8,443	8,172	7,977	7,963	7,901	7,913	7,930	8,015	8,305	Other industry
96,655	95,985	95,505	94,320	93,610	93,585	94,729	95,369	96,059	Manufacture of other fabricated metal products; metal working service activities
21,586	21,509	21,524	21,444	21,160	21,160	21,559	21,716	21,806	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
12,771	12,300	12,218	11,930	11,984	11,726	11,648	11,872	12,055	Treatment and coating of metals; machining
7,681	7,725	7,647	7,596	7,512	7,461	7,470	7,600	7,685	Manufacture of tins and cans for food products, collapsible tubes and boxes
									Manufacture of metal cable, plaited bands and similar articles
18,955	18,816	18,669	18,562	18,380	18,487	19,134	19,015	19,260	Manufacture of bolts, screws, nuts and similar threaded products
3,528	3,485	3,507	3,141	3,018	3,035	3,064	3,057	3,210	Manufacture of metal household articles
21,812	21,878	21,717	21,518	21,359	21,468	21,619	21,710	21,563	Manufacture of any other fabricated metal products n.e.c.
10,322	10,271	10,223	10,127	10,195	10,248	10,236	10,399	10,480	Other industry
204,576	206,925	207,783	209,068	209,535	211,189	211,084	215,201	216,965	Manufacture of electronic components and boards
									Manufacture of diodes, transistors and similar semiconductor devices
113,322	115,375	115,969	116,030	116,405	118,017	118,140	118,487	119,077	Manufacture of electronic integrated circuits micro assemblies
									Manufacture of electrical capacitors and resistors
77,520	77,705	77,823	78,999	79,154	79,289	79,110	82,840	83,795	Manufacture of printed circuit boards
									Manufacture of display components
13,734	13,845	13,991	14,039	13,975	13,883	13,835	13,874	14,092	Manufacture of other components for electronic applications
61,218	61,137	61,768	61,865	62,743	63,212	63,876	63,930	65,743	Manufacture of computers and peripheral equipment
23,250	23,603	23,855	24,201	24,107	24,231	24,171	24,286	24,497	Manufacture of communication equipment
33,624	33,359	33,670	33,516	31,842	33,292	34,256	34,864	34,181	Manufacture of consumer electronics
28,566	28,611	28,664	28,467	28,465	28,644	28,652	28,749	29,282	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
									Manufacture of measuring, testing, navigating and control equipment
22,007	22,090	22,176	22,100	22,219	22,384	22,424	22,567	22,516	Manufacture of industrial process control equipment
6,558	6,521	6,488	6,367	6,246	6,261	6,228	6,181	6,766	Manufacture of watches and clocks and parts
12,881	12,828	12,905	13,088	13,284	13,448	13,384	13,324	12,968	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2020				2021			2020 (Jan. - Nov.)
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	6,642	6,472	7,108	6,674	6,586	6,472	6,353	6,352	6,261	6,513
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	38,420	40,572	39,219	39,273	40,234	40,572	41,568	40,743	42,472	40,516
	27101 Pembuatan motor elektrik, penjana dan transformer	16,945	17,997	17,602	17,318	17,753	17,997	19,015	18,385	18,891	17,956
	27102 Pembuatan perkakasan pengagihan dan	21,475	22,575	21,617	21,955	22,480	22,575	22,552	22,358	23,582	22,560
272/ 27200	Pembuatan bateri dan akumulator	8,040	8,792	8,062	8,576	8,796	8,792	8,964	8,620	8,604	8,892
273	Pembuatan pendawaian dan peranti pendawaian	22,035	22,421	22,010	20,297	21,059	22,421	21,783	22,241	23,044	22,540
	27310 Pembuatan kabel gentian optikal	1,005	890	1,005	912	906	890	887	874	946	880
	27320 Pembuatan wayar dan kabel elektronik dan elektrik	19,617	20,112	19,542	17,949	18,724	20,112	19,449	19,631	20,353	20,232
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,413	1,419	1,464	1,436	1,428	1,419	1,447	1,736	1,745	1,428
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	5,146	4,551	4,976	4,514	4,511	4,551	4,415	4,321	4,105	4,485
275/ 27500	Pembuatan perkakasan domestik	15,441	14,831	15,471	15,262	15,195	14,831	15,462	15,009	14,755	14,866
279/ 27900	Pembuatan kelengkapan elektrik lain	6,373	7,545	6,435	6,602	7,402	7,545	7,466	7,335	7,381	7,599
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	91,161	91,983	89,689	90,785	91,320	91,983	92,497	93,644	91,587	91,818
	28120 & Pembuatan alat-alat kuasa bendalir										
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	6,692	6,219	6,712	6,161	6,032	6,219	6,250	6,121	6,262	6,213
	28180 & Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	23,539	23,763	22,543	22,916	23,505	23,763	23,726	23,781	23,311	23,813
	28220 Pembuatan jentera pembentukan logam dan alatan mesin										
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	9,864	9,507	10,224	9,325	9,400	9,507	9,240	9,077	8,696	9,433
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	10,814 40,252	9,915 42,579	10,454 39,755	10,493 41,890	10,092 42,292	9,915 42,579	9,890 43,391	9,850 44,816	9,395 43,922	9,961 42,398
291 (29101 & 29102)	Pembuatan kenderaan bermotor	26,330	23,829	26,119	23,551	23,416	23,829	23,975	23,655	23,976	23,808
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	7,712	6,578	8,097	6,601	6,517	6,578	6,509	6,563	6,572	6,527
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	55,113	52,586	55,860	52,009	52,198	52,586	52,742	52,493	52,484	52,448
301 (30110 & 30120)	Pembinaan kapal dan bot	13,087	12,926	13,409	12,565	13,073	12,926	13,318	12,340	12,971	12,917
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.	32,326	28,327	32,796	28,007	28,481	28,327	29,773	28,366	28,632	28,556
	30910 Pembuatan motosikal	11,934	11,021	12,608	11,009	11,005	11,021	11,645	11,084	11,280	11,138
	30920 Pembuatan basikal dan invalid carriages	4,502	3,467	4,438	3,172	3,331	3,467	3,861	3,372	3,237	3,387
	Industri lain	15,890	13,839	15,751	13,826	14,145	13,839	14,267	13,910	14,115	14,031
310	Pembuatan perabot	76,116	73,877	76,145	73,944	74,144	73,877	75,614	72,124	77,542	73,807
	31001 Pembuatan perabot kayu dan rotan	57,788	55,809	57,768	56,548	56,440	55,809	56,642	53,543	58,867	56,279
	Industri lain	18,328	18,068	18,376	17,396	17,704	18,068	18,971	18,581	18,674	17,528
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	6,248	5,635	5,974	5,751	5,712	5,635	5,436	5,268	5,284	5,650
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	22,938	24,317	23,875	24,281	24,265	24,317	25,614	25,402	25,565	24,283
	32901 Pembuatan alat tulis	5,820	6,148	6,314	6,264	6,260	6,148	6,063	5,975	6,016	6,172
	Industri lain	17,118	18,169	17,561	18,018	18,005	18,169	19,551	19,427	19,549	18,111
323/ 32300	Pembuatan barangan sukan	2,388	2,360	2,311	2,397	2,396	2,360	2,652	2,564	2,526	2,376
324/ 32400	Pembuatan permainan dan mainan	5,160	4,826	5,324	5,089	5,134	4,826	4,882	4,698	4,800	4,893
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	41,056	39,976	40,771	39,427	40,063	39,976	41,113	40,018	41,003	40,013
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	7,556	7,112	7,673	7,175	6,902	7,112	6,963	6,648	6,610	7,007
	Industri lain	33,500	32,864	33,098	32,253	33,161	32,864	34,151	33,370	34,392	33,006
Jumlah Pembuatan		2,243,788	2,199,195	2,257,273	2,188,142	2,195,300	2,199,195	2,233,545	2,215,420	2,231,406	2,195,488

2021		2020								Group Description/Period
(Jan. - Nov.)	Jan.	Feb.	Mar.	Apr.	May	Jun	Jul.	Aug.	Sep.	
5,881	6,540	7,100	7,108	6,977	6,867	6,674	6,588	6,559	6,586	Manufacture of optical instruments, photographic equipment, magnetic and optical media
42,531	39,134	39,365	39,219	38,902	39,058	39,273	39,556	39,985	40,234	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
18,717	17,552	17,691	17,602	17,281	17,306	17,318	17,478	17,465	17,753	Manufacture of electric motors, generators and transformers
23,815	21,582	21,674	21,617	21,622	21,752	21,955	22,078	22,519	22,480	Manufacture of electricity distribution and control apparatus
8,093	8,099	8,115	8,062	8,155	8,276	8,576	8,620	8,674	8,796	Manufacture of batteries and accumulators
23,827	22,131	22,160	22,010	20,597	20,247	20,297	20,329	20,867	21,059	Manufacture of wiring and wiring devices
860	1,013	1,014	1,005	903	904	912	912	910	906	Manufacture of fibre optic cables
21,203	19,673	19,687	19,542	18,235	17,889	17,949	17,981	18,520	18,724	Manufacture of other electronic and electric wires and cables
1,764	1,445	1,459	1,464	1,459	1,454	1,436	1,436	1,437	1,428	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
3,717	5,119	5,001	4,976	4,593	4,554	4,514	4,492	4,522	4,511	Manufacture of electric lighting equipment
15,193	15,761	15,715	15,471	15,222	15,027	15,262	15,202	15,266	15,195	Manufacture of domestic appliances
7,591	6,328	6,410	6,435	6,379	6,400	6,602	7,084	7,148	7,402	Manufacture of other electrical equipment
93,169	91,161	92,336	89,689	89,216	89,437	90,785	90,834	90,759	91,320	Manufacture of general-purpose and special-purpose machinery
										Manufacture of fluid power equipment
7,742	6,713	6,779	6,712	6,636	6,243	6,161	6,040	6,010	6,032	Manufacture of other pumps, compressors, taps and valves
										Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
22,634	22,674	23,146	22,543	22,714	22,685	22,916	23,270	23,275	23,505	Manufacture of metal-forming machinery and machine tools
8,681	10,757	11,181	10,224	9,155	9,143	9,325	9,117	9,138	9,400	Manufacture of air-conditioning machines, including for motor vehicles
9,512	10,400	10,826	10,454	10,312	10,558	10,493	10,466	10,439	10,092	Manufacture of other special-purpose machinery n.e.c.
44,599	40,617	40,404	39,755	40,400	40,809	41,890	41,941	41,898	42,292	Other industry
24,148	26,457	26,218	26,119	23,871	23,670	23,551	23,493	23,388	23,416	Manufacture of motor vehicles
6,534	8,162	8,234	8,097	6,891	6,354	6,601	6,425	6,501	6,517	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
52,920	55,895	56,086	55,860	52,552	51,243	52,009	52,388	52,364	52,198	Manufacture of parts and accessories for motor vehicles
13,103	13,746	13,395	13,409	12,350	12,590	12,565	12,994	12,968	13,073	Building of ships and boats
28,889	33,183	33,241	32,796	28,658	28,526	28,007	28,532	28,420	28,481	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
11,495	12,464	12,575	12,608	11,134	11,061	11,009	10,996	10,938	11,005	Manufacture of motorcycles
3,231	4,555	4,442	4,438	3,213	3,185	3,172	3,212	3,163	3,331	Manufacture of bicycles and invalid carriages
14,163	16,163	16,224	15,751	14,311	14,279	13,826	14,324	14,319	14,145	Other industry
77,243	76,003	76,140	76,145	72,412	73,739	73,944	73,947	73,949	74,144	Manufacture of furniture
58,980	57,633	57,728	57,768	56,041	56,316	56,548	56,351	56,341	56,440	Manufacture of wooden and cane furniture
18,263	18,370	18,412	18,376	16,372	17,424	17,396	17,596	17,608	17,704	Other industry
5,431	6,366	5,974	5,974	5,598	5,913	5,751	5,715	5,724	5,712	Manufacture of jewellery, bijouterie and related articles
26,138	23,766	24,101	23,875	23,713	23,899	24,281	24,201	24,084	24,265	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
6,285	6,371	6,493	6,314	6,163	6,141	6,264	6,213	6,167	6,260	Manufacture of stationery
19,854	17,395	17,608	17,561	17,550	17,758	18,018	17,987	17,917	18,005	Other industry
2,633	2,352	2,314	2,311	2,385	2,399	2,397	2,388	2,403	2,396	Manufacture of sports goods
4,783	5,315	5,315	5,324	5,367	5,084	5,089	5,072	5,102	5,134	Manufacture of games and toys
41,922	42,479	42,010	40,771	40,357	39,655	39,427	39,856	39,866	40,063	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
6,761	7,926	8,025	7,673	7,228	7,224	7,175	6,894	6,887	6,902	Repair and maintenance of transport equipment except motorcycles and bicycles
35,161	34,552	33,985	33,098	33,129	32,432	32,253	32,962	32,980	33,161	Other industry
2,253,574	2,280,951	2,277,882	2,257,273	2,169,473	2,175,145	2,188,142	2,192,260	2,190,787	2,195,300	Total Manufacturing

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				
		Okt.	Nov.	Dis.	Jan.	Feb.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	6,558	6,513	6,472	6,463	6,398
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	40,434	40,516	40,572	41,462	41,486
	27101 Pembuatan motor elektrik, penjana dan transformer	17,891	17,956	17,997	18,932	18,974
	27102 Pembuatan perkakasan pengagihan dan	22,543	22,560	22,575	22,530	22,512
272/ 27200	Pembuatan bateri dan akumulator	8,775	8,892	8,792	8,982	8,923
273	Pembuatan pendawaian dan peranti pendawaian	22,270	22,540	22,421	22,193	21,960
	27310 Pembuatan kabel gentian optikal	889	880	890	878	883
	27320 Pembuatan wayar dan kabel elektronik dan elektrik	19,953	20,232	20,112	19,886	19,639
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	1,428	1,428	1,419	1,429	1,438
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	4,537	4,485	4,551	4,529	4,471
275/ 27500	Pembuatan perkakasan domestik	14,861	14,866	14,831	14,887	14,826
279/ 27900	Pembuatan kelengkapan elektrik lain	7,513	7,599	7,545	7,510	7,488
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	90,464	91,818	91,983	92,485	93,802
	28120 Pembuatan alat-alat kuasa bendalir &					
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	5,980	6,213	6,219	6,213	6,232
	28180 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	23,219	23,813	23,763	23,589	24,069
	28220 Pembuatan jentera pembentukan logam dan alatan mesin					
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	9,286	9,433	9,507	9,203	9,267
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	9,964 42,015	9,961 42,398	9,915 42,579	9,937 43,542	9,913 44,321
291 (29101 & 29102)	Pembuatan kenderaan bermotor	23,243	23,808	23,829	23,849	24,062
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	6,517	6,527	6,578	6,610	6,606
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	52,162	52,448	52,586	52,479	52,810
301 (30110 & 30120)	Pembinaan kapal dan bot	12,831	12,917	12,926	13,112	13,153
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.	28,451	28,556	28,327	29,686	29,734
	30910 Pembuatan motosikal	11,062	11,138	11,021	11,329	11,486
	30920 Pembuatan basikal dan invalid carriages Industri lain	3,352 14,037	3,387 14,031	3,467 13,839	3,846 14,511	3,853 14,395
310	Pembuatan perabot	73,630	73,807	73,877	75,049	75,267
	31001 Pembuatan perabot kayu dan rotan Industri lain	56,235 17,394	56,279 17,528	55,809 18,068	56,054 18,995	56,219 19,047
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	5,685	5,650	5,635	5,770	5,701
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	24,164	24,283	24,317	24,996	25,486
	32901 Pembuatan alat tulis Industri lain	6,223 17,941	6,172 18,111	6,148 18,169	6,163 18,833	6,047 19,439
323/ 32300	Pembuatan barangan sukan	2,367	2,376	2,360	2,636	2,644
324/ 32400	Pembuatan permainan dan mainan	4,987	4,893	4,826	4,912	4,847
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	39,952	40,013	39,976	41,454	41,750
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal Industri lain	6,891 33,061	7,007 33,006	7,112 32,864	7,278 34,177	7,123 34,628
Jumlah Pembuatan		2,188,520	2,195,488	2,199,195	2,225,697	2,228,415

2021									Group Description/Period
Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
6,353	6,366	6,392	6,352	6,229	6,310	6,261	6,245	5,881	Manufacture of optical instruments, photographic equipment, magnetic and optical media
41,568	40,844	40,743	40,743	40,648	41,650	42,472	42,612	42,531	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
19,015	18,482	18,337	18,385	18,476	18,568	18,891	18,853	18,717	Manufacture of electric motors, generators and transformers
22,552	22,362	22,406	22,358	22,172	23,082	23,582	23,759	23,815	Manufacture of electricity distribution and control apparatus
8,964	8,913	9,007	8,620	8,504	8,992	8,604	8,585	8,093	Manufacture of batteries and accumulators
21,783	21,562	21,782	22,241	22,123	22,611	23,044	23,442	23,827	Manufacture of wiring and wiring devices
887	871	878	874	886	883	946	944	860	Manufacture of fibre optic cables
19,449	19,235	19,434	19,631	19,506	19,983	20,353	20,748	21,203	Manufacture of other electronic and electric wires and cables
1,447	1,457	1,471	1,736	1,731	1,745	1,745	1,750	1,764	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material
4,415	4,354	4,327	4,321	4,237	4,154	4,105	4,067	3,717	Manufacture of electric lighting equipment
15,462	15,283	15,137	15,009	14,792	14,808	14,755	15,033	15,193	Manufacture of domestic appliances
7,466	7,451	7,441	7,335	7,347	7,310	7,381	7,336	7,591	Manufacture of other electrical equipment
92,497	92,927	92,530	93,644	91,679	91,687	91,587	91,552	93,169	Manufacture of general-purpose and special-purpose machinery
									Manufacture of fluid power equipment
6,250	6,305	6,268	6,121	6,217	6,232	6,262	6,181	7,742	Manufacture of other pumps, compressors, taps and valves
									Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
23,726	24,041	23,846	23,781	23,448	23,383	23,311	23,353	22,634	Manufacture of metal-forming machinery and machine tools
9,240	9,212	9,096	9,077	8,592	8,658	8,696	8,497	8,681	Manufacture of air-conditioning machines, including for motor vehicles
9,890	10,046	10,069	9,850	9,859	9,746	9,395	9,478	9,512	Manufacture of other special-purpose machinery n.e.c.
43,391	43,323	43,252	44,816	43,563	43,668	43,922	44,043	44,599	Other industry
23,975	23,945	23,891	23,655	23,434	23,526	23,976	24,115	24,148	Manufacture of motor vehicles
6,509	6,642	6,676	6,563	6,546	6,550	6,572	6,598	6,534	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
52,742	52,895	52,709	52,493	52,226	51,997	52,484	52,880	52,920	Manufacture of parts and accessories for motor vehicles
13,318	12,565	12,629	12,340	12,325	12,356	12,971	13,048	13,103	Building of ships and boats
29,773	28,817	28,650	28,366	28,305	28,231	28,632	28,911	28,889	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
11,645	11,202	11,113	11,084	11,045	11,042	11,280	11,521	11,495	Manufacture of motorcycles
3,861	3,504	3,445	3,372	3,338	3,262	3,237	3,230	3,231	Manufacture of bicycles and invalid carriages
14,267	14,111	14,093	13,910	13,922	13,927	14,115	14,160	14,163	Other industry
75,614	76,594	76,376	72,124	70,706	70,892	77,542	76,979	77,243	Manufacture of furniture
56,642	57,602	57,460	53,543	52,111	52,285	58,867	58,517	58,980	Manufacture of wooden and cane furniture
18,971	18,991	18,916	18,581	18,594	18,607	18,674	18,462	18,263	Other industry
5,436	5,406	5,368	5,268	5,338	5,327	5,284	5,319	5,431	Manufacture of jewellery, bijouterie and related articles
25,614	25,717	25,691	25,402	25,395	25,385	25,565	25,737	26,138	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
6,063	6,053	6,026	5,975	5,957	5,929	6,016	6,161	6,285	Manufacture of stationery
19,551	19,664	19,665	19,427	19,437	19,456	19,549	19,576	19,854	Other industry
2,652	2,604	2,601	2,564	2,562	2,537	2,526	2,548	2,633	Manufacture of sports goods
4,882	4,805	4,731	4,698	4,699	4,715	4,800	4,818	4,783	Manufacture of games and toys
41,113	41,056	40,989	40,018	40,374	40,635	41,003	41,610	41,922	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
6,963	6,963	6,982	6,648	6,618	6,602	6,610	6,570	6,761	Repair and maintenance of transport equipment except motorcycles and bicycles
34,151	34,093	34,008	33,370	33,756	34,033	34,392	35,040	35,161	Other industry
2,233,545	2,235,004	2,236,459	2,215,420	2,210,084	2,213,715	2,231,406	2,241,048	2,253,574	Total Manufacturing

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020					2021			2020	2021					
		2020	Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei
101	Pemprosesan dan pengawetan daging	-4.3	-1.3	-3.7	-8.0	-4.3	-0.7	1.2	2.0	-4.9	1.9	-5.2	-2.9	-1.3	-1.8	-0.9
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-9.3	-2.6	-4.9	-5.3	-9.3	-1.0	-0.4	-0.1	-8.5	0.5	-4.3	-1.3	-2.6	-9.3	-8.2
	10201 Pengetinan ikan, krustasea dan moluska															
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-7.0	-1.3	-1.8	-3.0	-7.0	-0.3	-0.8	-1.4	-5.8	-1.9	-4.1	-0.8	-1.3	-6.7	-5.9
	Industri lain	-20.9	-9.1	-20.8	-17.0	-20.9	-4.9	2.1	7.9	-22.0	15.0	-4.8	-3.8	-9.1	-22.9	-20.7
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	5.5	12.0	14.8	6.6	5.5	-2.5	-7.9	-8.7	3.4	-10.5	12.0	12.7	12.0	26.0	18.4
	10303 Pengetinan nanas															
	10304 Pembuatan jem, marmalad dan sajian jeli	9.8	11.4	4.0	11.8	9.8	8.0	6.9	-51.0	10.6	-51.5	14.1	12.4	11.4	9.7	3.2
	Industri lain	5.0	12.0	15.9	6.1	5.0	-3.6	-9.3	-4.0	2.7	-6.0	11.8	12.7	12.0	27.6	20.0
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	-1.3	-0.1	-2.6	-0.7	-1.3	-1.9	-3.2	-0.3	-1.3	2.0	0.6	0.0	-0.1	-1.6	-1.8
	10404 Pembuatan minyak sayuran mentah dan bertapis															
	10406 Pembuatan sebatian lemak masakan	-1.8	5.2	-2.6	0.1	-1.8	-2.5	3.5	-0.1	1.3	5.3	9.2	3.6	5.2	-4.9	-8.7
	10405 Pembuatan minyak kelapa	-1.8	5.0	2.6	-1.9	-1.8	2.2	0.8	0.3	-1.9	2.9	15.8	4.2	5.0	8.1	1.6
	Industri lain	-1.3	-0.5	-2.7	-0.7	-1.3	-2.0	-3.7	-0.3	-1.4	1.8	-0.2	-0.3	-0.5	-1.7	-1.5
105	Pembuatan produk tenusu	-4.2	-0.3	-0.2	-1.1	-4.2	4.8	4.1	3.2	-3.5	1.4	7.3	6.0	-0.3	0.4	-0.8
	10502 Pembuatan susu pekat, tepung dan sejat	-7.7	0.6	-1.7	-2.6	-7.7	3.9	5.2	4.0	-7.0	2.4	6.9	8.3	0.6	-1.1	-2.0
	Industri lain	7.1	-3.0	4.0	3.5	7.1	7.4	0.9	0.9	7.8	-1.5	8.8	-0.7	-3.0	4.7	2.6
106	Pembuatan produk bijian, kanji dan produk berkanji	1.0	0.8	0.6	0.4	1.0	-0.9	2.2	5.1	0.5	4.2	0.2	0.3	0.8	3.5	2.0
	10611 Pengilangan beras	0.7	1.9	1.0	0.4	0.7	0.9	2.5	8.3	-0.8	5.0	-0.2	0.7	1.9	3.3	0.9
	10613 Pengilangan tepung	1.4	-1.3	1.6	1.6	1.4	-1.1	2.1	2.6	0.9	4.6	-1.5	-1.9	-1.3	2.3	2.0
	Industri lain	0.3	4.9	-5.8	-5.2	0.3	-7.6	1.0	1.0	5.0	-0.7	10.8	9.0	4.9	8.9	6.8
107	Pembuatan produk makanan lain	2.2	0.3	0.6	2.0	2.2	4.6	4.7	4.5	2.4	6.9	0.3	0.2	0.3	-1.2	-1.2
	10711 Pembuatan biskut dan cookies	5.0	-2.0	-0.2	0.1	5.0	1.6	-1.1	-2.5	7.1	18.7	-2.0	-0.5	-2.0	-0.1	0.0
	10712 Pembuatan roti, kek dan produk bakeri lain	-4.8	1.2	-2.5	-3.0	-4.8	-3.8	5.6	6.5	-4.3	7.5	1.6	0.7	1.2	-2.9	-4.6
	10713 Pembuatan produk snek	-2.8	4.8	2.3	0.7	-2.8	-1.8	-1.1	-3.6	-0.7	-4.3	7.3	7.1	4.8	3.9	3.1
	10721 Pembuatan gula	-11.5	-6.1	0.3	-11.1	-11.5	-10.9	-12.1	0.2	-11.2	-4.6	-4.8	-5.6	-6.1	-5.5	-3.0
	10731 Pembuatan produk koko	-1.7	1.1	7.0	6.2	-1.7	-4.6	-10.8	-12.2	-0.2	-5.8	8.5	2.8	1.1	-0.4	-1.7
	10732 Pembuatan coklat dan produk coklat															
	10733 Pembuatan konfeksi gula	-11.8	-2.5	-6.9	-9.3	-11.8	-8.2	-5.0	-6.2	-11.5	-8.5	-3.6	-0.4	-2.5	-5.3	-7.5
	10793 Pembuatan sos dan bahan perasa	2.7	0.2	4.2	2.9	2.7	17.3	11.3	11.3	2.5	16.9	-0.7	0.6	0.2	1.7	2.5
	10799 Pembuatan produk makanan lain f.t.t.l.	8.9	-1.4	4.1	5.8	8.9	26.2	19.5	18.5	5.9	12.8	1.3	0.5	-1.4	-3.6	-2.8
	Industri lain	13.4	1.0	2.9	10.8	13.4	9.8	5.6	5.3	12.8	6.0	-1.2	-1.7	1.0	0.3	2.2
108/ 10800	Pembuatan makanan haiwan tersedia	-4.6	17.1	13.5	11.7	-4.6	-6.8	-6.1	-16.7	4.3	-15.7	19.5	19.3	17.1	11.8	11.6
110	Pembuatan minuman ringan	-10.7	2.0	-9.4	-9.0	-10.7	-10.6	-2.1	0.7	-11.3	1.9	2.4	2.7	2.0	-7.1	-9.0
	11041 Pembuatan minuman ringan	-9.2	3.7	-7.7	-6.7	-9.2	-12.9	-2.7	-2.8	-9.4	-0.1	1.3	4.3	3.7	-6.9	-6.9
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-11.6	0.8	-11.2	-12.0	-11.6	-8.6	-6.3	-4.1	-11.1	-4.5	6.8	2.8	0.8	-8.1	-10.3
	Industri lain	-18.8	-6.2	-16.7	-16.6	-18.8	0.9	17.6	45.2	-25.3	42.8	-1.7	-8.6	-6.2	-5.2	-20.9
120/ 12000	Pembuatan produk tembakau	-27.4	-0.4	-41.3	-32.4	-27.4	-12.8	17.6	11.1	-23.6	1.2	1.6	0.1	-0.4	-40.8	-41.0
131	Pemintalan, penenunan dan penyiapan tekstil	-7.4	-0.9	-4.6	-6.9	-7.4	-7.4	-6.7	-2.8	-7.0	-3.3	1.3	0.5	-0.9	-8.2	-7.1
	13110 Penyediaan dan pemintalan gentian tekstil															
	13120 Penenunan tekstil	-2.7	-0.1	-2.5	-3.2	-2.7	-4.2	-5.1	-6.6	-2.5	-6.5	3.3	2.6	-0.1	-2.6	-3.4
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-16.9	1.7	-9.0	-17.0	-16.9	-14.6	-6.9	16.0	-17.9	17.5	3.2	2.8	1.7	-3.4	-7.9
	Industri lain	-23.4	-18.7	-11.6	-11.1	-23.4	-16.1	-27.3	-26.6	-15.8	-42.0	-23.8	-26.0	-18.7	-82.4	-50.0
139	Pembuatan tekstil lain	-4.1	2.2	-5.1	-4.0	-4.1	-1.7	1.4	3.6	-4.2	8.1	0.0	2.3	2.2	-7.8	-2.7
	13910 Pembuatan fabrik dikait dan dikrusye	-5.6	1.0	-5.2	-4.7	-5.6	-3.4	3.4	5.4	-6.2	9.8	-0.3	2.4	1.0	-2.9	-1.6
	Industri lain	-3.1	3.1	-5.0	-3.6	-3.1	-0.6	0.1	2.4	-2.9	6.9	0.1	2.2	3.1	-10.8	-3.4
141	Pembuatan pakaian, kecuali pakaian berbulu	-21.5	2.3	-7.0	-18.7	-21.5	-23.2	-19.0	-8.9	-21.6	1.3	2.6	2.7	2.3	-7.2	-5.4
	14102 Pembuatan pakaian	-26.1	1.6	-8.0	-22.0	-26.1	-27.6	-21.5	-8.0	-25.9	2.5	2.0	2.2	1.6	-6.2	-5.1
	Industri lain	-7.0	4.6	-4.0	-8.4	-7.0	-9.3	-11.5	-11.3	-8.0	-1.9	4.5	4.2	4.6	-10.2	-6.4
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-23.7	1.5	-21.4	-28.3	-23.7	-30.8	-12.2	-20.1	-26.6	-19.1	8.0	11.5	1.5	-15.7	-21.7
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	0.04	2.7	-3.5	-1.2	0.04	0.4	2.7	7.4	-1.4	9.6	4.3	4.0	2.7	-1.6	-5.7
152	Pembuatan kasut	-5.0	1.0	-4.4	-9.5	-5.0	-5.0	-5.5	-0.9	-5.1	-0.01	2.1	2.8	1.0	-5.9	-4.3
	15201 Pembuatan kasut kulit															
	15203 Pembuatan kasut getah	-6.7	0.8	-9.9	-13.5	-6.7	-7.6	-5.9	-4.2	-8.2	-1.5	-1.9	5.0	0.8	-9.9	-8.5
	Industri lain	-2.9	1.4	3.3	-4.2	-2.9	-1.6	-5.1	3.0	-0.9	1.9	7.6	0.0	1.4	-0.6	1.5
161/ 16100	Pengilangan dan pengetaman kayu	-6.4	3.0	-15.0	-8.9	-6.4	-6.6	-5.9	2.9	-8.5	3.5	-2.0	-1.4	3.0	-19.6	-15.9

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020					2021			2020	2021					
		2020					2021			(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei
		2020	Q1	Q2	Q3	Q4	Q1	Q2	Q3							
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-8.4	-0.4	-5.6	-6.7	-8.4	-8.7	-2.6	-0.4	-9.2	2.8	1.4	1.3	-0.4	-7.1	-6.2
16211	Pembuatan kepingan venier dan papan lapis	-13.3	-0.6	-9.1	-10.4	-13.3	-15.6	-6.4	-1.2	-13.6	0.6	-0.5	0.8	-0.6	-9.6	-9.6
16212	Pembuatan papan partikel dan papan gentian	-12.8	2.7	-6.5	-13.1	-12.8	-8.6	-7.6	-8.8	-15.0	-3.5	4.9	1.7	2.7	-0.4	-3.5
16221	Perukangan kayu untuk jurubina	4.7	-0.5	4.7	6.3	4.7	8.7	7.1	5.3	5.0	1.8	8.5	6.3	-0.5	1.1	2.4
	Industri lain	1.1	-2.0	-1.7	-0.3	1.1	1.6	4.1	2.1	-1.4	15.3	-0.2	-1.6	-2.0	-10.0	-3.1
170	Pembuatan kertas dan produk kertas	-4.8	1.3	-7.0	-6.8	-4.8	-3.1	2.7	2.9	-5.0	4.9	1.5	1.7	1.3	-7.9	-7.4
17010	Pembuatan pulpa, kertas dan kertas tebal	2.9	1.2	0.8	1.7	2.9	2.7	1.8	1.2	2.0	8.2	0.9	9.7	1.2	-3.2	-0.1
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-6.1	-0.5	-10.8	-9.3	-6.1	-3.8	5.0	2.5	-6.5	2.7	-2.8	-1.4	-0.5	-11.1	-11.6
17091	Pembuatan sampul surat dan kad surat	-9.5	-2.0	-11.7	-11.2	-9.5	-6.2	2.7	0.1	-9.3	-5.6	-2.4	-2.9	-2.0	-12.7	-10.7
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-5.6	4.1	-6.9	-7.0	-5.6	-7.1	1.0	1.5	-4.9	8.5	9.6	3.7	4.1	-4.6	-5.8
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-8.5	3.4	-5.0	-9.2	-8.5	-1.6	1.9	11.6	-8.3	8.2	3.6	3.1	3.4	-6.6	-7.1
	Industri lain	-2.6	2.3	-3.1	-3.4	-2.6	-1.4	-1.0	0.2	-2.6	0.8	3.4	-0.7	2.3	-7.2	-2.7
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	-1.6	0.8	-6.3	-5.2	-1.6	-1.2	-0.4	-1.9	-2.8	2.8	2.1	1.3	0.8	-7.1	-6.7
18110	Percetakan	-2.9	-0.2	-8.4	-7.3	-2.9	-1.9	0.3	-1.3	-4.4	3.6	1.5	0.7	-0.2	-9.7	-9.3
18120	Aktiviti perkhidmatan berkaitan percetakan	4.6	5.7	2.8	4.2	4.6	1.8	-3.2	-4.6	4.3	-0.4	4.6	3.9	5.7	5.1	5.3
	&															
18200	Penerbitan semula media rakaman															
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-7.2	4.5	-9.9	-7.1	-7.2	-4.5	5.7	5.1	-6.3	3.4	4.6	4.8	4.5	-7.6	-9.8
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	-7.3	2.8	-10.1	-8.2	-7.3	-10.5	-1.4	-3.4	-8.7	-7.2	3.2	2.6	2.8	-10.5	-10.1
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-7.2	2.2	-12.2	-9.5	-7.2	-3.1	12.2	11.8	-7.0	-18.0	-1.6	-1.2	2.2	-13.7	-13.2
20112	Pembuatan kimia organik asas	-1.8	4.4	-4.5	-3.8	-1.8	-2.1	2.6	1.8	-2.4	9.3	5.3	5.9	4.4	-4.2	-3.6
	&															
20113	Pembuatan sebatian bukan organik															
20121	Pembuatan baja	-5.2	4.7	-7.2	-5.5	-5.2	-1.4	-1.3	-2.6	-10.6	-15.0	6.0	3.3	4.7	-5.8	-7.6
	&															
20129	Pembuatan produk campuran nitrogen	-15.5	2.7	-17.2	-14.7	-15.5	-30.8	-13.4	-18.3	-15.3	-18.7	4.2	2.9	2.7	-18.3	-17.7
20131	Pembuatan plastik dalam bentuk primer	-1.9	-13.3	-8.1	-3.8	-1.9	8.1	3.5	2.9	-2.6	11.8	-13.5	-11.6	-13.3	-13.0	-5.9
	Industri lain															
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	-5.1	0.1	-6.0	-5.8	-5.1	2.4	6.0	3.4	-4.1	7.8	-0.4	1.2	0.1	-7.8	-7.2
20210	Pembuatan racun perosak dan produk agrokimia lain	-0.7	-2.2	-2.2	0.5	-0.7	14.8	12.8	10.7	-1.94	17.4	-3.6	0.6	-2.2	-2.8	-2.4
20221	Pembuatan cat, varnis dan penyadur dan mastik	-14.6	1.7	-9.8	-14.0	-14.6	3.4	-2.1	-2.9	-13.9	-5.2	5.0	2.9	1.7	-9.8	-10.7
20222	Pembuatan dakwat cetak	-3.2	-5.8	-7.5	-4.3	-3.2	20.9	22.1	21.6	-4.3	24.0	-6.7	-6.8	-5.8	-7.9	-7.7
20231	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	-1.5	2.1	-2.3	-1.1	-1.5	0.4	5.1	-0.8	-0.2	-0.3	-0.4	3.4	2.1	-5.8	-4.6
	&															
20232	Pembuatan pewangi dan penyediaan dandanan diri															
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials	-4.2	-1.7	-9.2	-8.1	-4.2	-3.5	7.4	7.9	-2.5	25.0	-2.1	-1.0	-1.7	-10.6	-9.7
	&															
20292	Pembuatan dakwat menulis dan melukis															
	&															
20299	Pembuatan produk kimia lain t.t.t.l.	5.6	3.6	4.1	2.0	5.6	-2.2	0.3	0.3	5.9	-10.9	5.2	4.4	3.6	2.2	0.0
	Industri lain															
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	9.5	1.4	9.3	11.3	9.5	11.6	11.6	11.8	9.3	7.0	2.1	2.2	1.4	10.5	8.8
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	10.3	1.3	11.2	12.5	10.3	11.6	10.8	9.8	10.3	8.8	2.8	2.4	1.3	11.7	11.2
	Industri lain	7.6	1.7	4.9	8.4	7.6	11.6	13.6	16.6	7.0	2.5	0.4	1.6	1.7	7.7	3.0
221	Pembuatan produk getah	3.2	1.9	2.5	4.0	3.2	3.9	6.2	3.5	3.9	1.0	3.2	2.3	1.9	2.2	2.8
22111	Pembuatan tayar getah untuk kenderaan	-10.1	2.2	-6.8	-8.4	-10.1	-11.8	1.0	-10.1	-4.4	-8.3	0.9	3.0	2.2	1.8	-1.0
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	5.3	2.4	11.3	6.1	5.3	-3.5	-15.3	-6.4	5.6	2.8	-2.0	-0.4	2.4	9.2	10.4
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	3.8	3.0	4.9	9.2	3.8	2.3	-0.7	-5.0	5.1	-7.6	4.9	4.2	3.0	6.3	4.7
	&															
22193	Pengilangan semula getah dan prosesan susu getah															
22192	Pembuatan sarung tangan getah	2.7	1.2	2.3	2.3	2.7	3.7	7.7	7.5	2.1	1.2	3.2	1.8	1.2	0.8	2.1
22199	Pembuatan tandas daripada plastik	7.5	2.6	3.7	8.1	7.5	10.3	10.5	4.6	9.2	7.6	3.2	2.4	2.6	2.5	3.6
	Pembuatan produk getah lain yang t.t.t.l.															
222	Pembuatan produk plastik	3.6	0.7	2.8	1.6	3.6	3.9	1.3	-1.7	1.9	-0.3	-0.7	0.1	0.7	1.4	2.3
22201	Pembuatan produk plastik separa siap	2.9	-1.7	-0.6	-0.4	2.9	5.0	4.0	-3.3	2.9	-4.7	2.4	-1.1	-1.7	-1.4	-1.1
	&															
22202	Pembuatan produk plastik siap															
22203	Pembuatan artikel plastik untuk pembungkusan	5.9	1.3	7.0	6.2	5.9	5.6	1.6	-0.4	5.6	3.3	1.7	2.0	1.3	5.3	5.8
22204	Pembuatan barangan plastik jurubina	-7.2	-3.6	-8.1	-7.6	-7.2	-3.0	-0.7	0.004	-5.7	-0.6	0.2	-2.6	-3.6	-10.8	-2.5
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	7.9	-0.4	3.5	7.0	7.9	10.2	3.8	0.4	7.3	1.5	0.5	0.4	-0.4	-1.6	1.0
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2.0	2.4	2.3	-1.4	2.0	1.1	-1.1	-2.3	-2.1	-0.8	-4.7	-0.5	2.4	1.6	2.2
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-4.4	5.0	1.8	-1.4	-4.4	-0.5	0.1	-1.5	-3.6	0.7	7.1	8.0	5.0	0.8	0.9

2020				2021														Group Description/Period			
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.				
-5.6	-5.0	-6.7	-6.7	-8.7	-9.2	-8.4	-9.2	-9.7	-8.7	-2.2	0.1	-2.6	-1.4	-0.8	-0.4	2.1	2.8	Manufacture of products of wood, cork, straw and plaiting materials			
-9.1	-9.9	-11.6	-10.4	-12.4	-13.6	-13.3	-14.3	-16.0	-15.6	-7.1	-3.1	-6.4	-3.7	-2.3	-1.2	0.2	0.6	Manufacture of veneer sheets and plywood			
-6.5	-6.7	-8.4	-13.1	-15.2	-15.0	-12.8	-12.5	-9.4	-8.6	-7.2	-4.7	-7.6	-7.4	-7.5	-8.8	-4.1	-3.5	Manufacture of particle board and fibreboard			
4.7	7.8	6.5	6.3	6.8	5.0	4.7	0.6	3.3	8.7	9.5	8.9	7.1	4.6	4.8	5.3	5.8	1.8	Manufacture of builders' carpentry			
-1.7	3.6	0.9	-0.3	-4.7	-1.4	1.1	2.8	1.4	1.6	8.0	5.9	4.1	4.4	2.8	2.1	9.2	15.3	Other industry			
-7.0	-7.4	-7.6	-6.8	-5.2	-5.0	-4.8	-4.7	-4.0	-3.1	5.0	4.5	2.7	2.1	2.2	2.9	3.0	4.9	Manufacture of paper and paper products			
0.8	1.6	1.6	1.7	3.0	2.0	2.9	-0.5	-3.7	2.7	7.2	3.3	1.8	0.8	0.5	1.2	7.5	8.2	Manufacture of pulp, paper and paperboard			
-10.8	-10.6	-11.0	-9.3	-7.5	-6.5	-6.1	-2.9	-4.0	-3.8	5.4	6.2	5.0	0.5	1.8	2.5	2.6	2.7	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard			
-11.7	-20.2	-14.7	-11.2	-10.8	-9.3	-9.5	-4.0	-4.3	-6.2	3.2	0.9	2.7	6.6	5.0	0.1	-1.5	-5.6	Manufacture of envelopes and letter-card			
-6.9	-6.8	-6.3	-7.0	-5.6	-4.9	-5.6	-11.4	-6.9	-7.1	0.7	1.8	1.0	1.2	0.4	1.5	0.05	8.5	Manufacture of household and personal hygiene paper			
-5.0	-6.4	-9.1	-9.2	-7.5	-8.3	-8.5	-6.9	-1.9	-1.6	8.6	7.7	1.9	9.7	10.1	11.6	7.9	8.2	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper			
-3.1	-3.6	-3.9	-3.4	-1.0	-2.6	-2.6	-0.8	-1.0	-1.4	5.0	2.4	-1.0	0.9	-1.3	0.2	-1.2	0.8	Other industry			
-6.3	-5.0	-5.1	-5.2	-3.9	-2.8	-1.6	-4.5	-3.8	-1.2	3.9	3.4	-0.4	-2.1	-1.8	-1.9	0.9	2.8	Printing, service activities related to printing and reproduction of recorded media			
-8.4	-7.0	-7.0	-7.3	-5.8	-4.4	-2.9	-5.1	-4.8	-1.9	4.9	4.5	0.3	-1.5	-1.3	-1.3	1.5	3.6	Printing			
2.8	3.8	3.7	4.2	4.5	4.3	4.6	-1.6	0.4	1.8	0.0	-0.6	-3.2	-4.3	-3.9	-4.6	-1.4	-0.4	Service activities related to printing			
																		Reproduction of recorded media			
-9.9	-9.0	-8.6	-7.1	-6.7	-6.3	-7.2	-7.3	-7.1	-4.5	2.7	5.1	5.7	5.1	5.2	5.1	3.8	3.4	Manufacture of refined petroleum products			
-10.1	-8.7	-8.5	-8.2	-8.2	-8.7	-7.3	-13.0	-11.2	-10.5	-0.5	-1.3	-1.4	-2.9	-3.0	-3.4	-3.7	-7.2	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms			
-12.2	-12.5	-10.3	-9.5	-9.8	-7.0	-7.2	-2.6	-3.0	-3.1	14.1	11.8	12.2	13.8	12.3	11.8	11.0	-18.0	Manufacture of liquefied or compressed inorganic industrial or medical gases			
																		Manufacture of basic organic chemicals			
-4.5	-2.8	-3.6	-3.8	-3.4	-2.4	-1.8	-3.7	-3.0	-2.1	5.5	3.2	2.6	2.2	2.4	1.8	2.3	9.3	Manufacture of inorganic compounds			
																		Manufacture of fertilizers			
-7.2	-6.7	-5.3	-5.5	-5.1	-10.6	-5.2	-7.6	-2.0	-1.4	-3.7	-1.4	-1.3	-1.7	-2.1	-2.6	-3.7	-15.0	Manufacture of associated nitrogen products			
-17.2	-15.0	-15.5	-14.7	-15.6	-15.3	-15.5	-32.4	-31.5	-30.8	-12.9	-13.8	-13.4	-17.9	-17.9	-18.3	-18.5	-18.7	Manufacture of plastics in primary forms			
-8.1	-6.0	-4.0	-3.8	-2.2	-2.6	-1.9	-1.9	5.2	8.1	5.1	4.8	3.5	1.5	1.7	2.9	1.8	11.8	Other industry			
-6.0	-6.9	-6.6	-5.8	-6.0	-4.1	-5.1	-3.0	-3.9	2.4	6.2	6.6	6.0	4.1	3.2	3.4	7.0	7.8	Manufacture of other chemical products and man-made fibres			
-2.2	-2.4	-1.1	0.5	0.0	-1.9	-0.7	17.9	15.2	14.8	14.9	14.5	12.8	11.7	10.9	10.7	12.2	17.4	Manufacture of pesticides and other agrochemical products			
-9.8	-10.6	-12.2	-14.0	-13.9	-13.9	-14.6	-12.1	-13.7	3.4	-2.6	-1.7	-2.1	-1.4	-2.2	-2.9	-2.6	-5.2	Manufacture of paints, varnishes and similar coatings ink and mastics			
-7.5	-7.3	-6.8	-4.3	-4.1	-4.3	-3.2	-2.9	-1.7	20.9	19.4	19.9	22.1	22.4	21.8	21.6	20.9	24.0	Manufacture of printing ink			
																		Manufacture of soap and detergents, cleaning and polishing preparations			
-2.3	-2.5	-2.2	-1.1	-1.7	-0.2	-1.5	-0.8	-1.9	0.4	6.7	6.7	5.1	1.0	-0.7	-0.8	0.004	-0.3	Manufacture of perfumes and toilet preparations			
																		Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials			
-9.2	-11.9	-10.2	-8.1	-8.3	-2.5	-4.2	-3.9	-4.2	-3.5	6.6	6.9	7.4	5.7	6.3	7.9	20.7	25.0	Manufacture of writing and drawing ink			
																		Manufacture of other chemical products n.e.c.			
4.1	5.0	4.6	2.0	2.5	5.9	5.6	-0.8	-1.5	-2.2	-0.1	2.1	0.3	-1.3	-1.3	0.3	0.3	-10.9	Other industry			
9.3	10.2	10.7	11.3	10.7	9.3	9.5	9.7	10.7	11.6	13.2	12.0	11.6	12.4	12.7	11.8	12.1	7.0	Manufacture of pharmaceuticals, medicinal chemical and botanical products			
11.2	10.8	11.6	12.5	12.1	10.3	10.3	10.2	11.8	11.6	12.7	11.2	10.8	11.8	11.5	9.8	11.4	8.8	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments			
4.9	8.7	8.6	8.4	7.5	7.0	7.6	8.4	7.9	11.6	14.5	14.1	13.6	14.1	15.6	16.6	13.9	2.5	Other industry			
2.5	2.7	2.9	4.0	4.0	3.9	3.2	2.7	3.2	3.9	7.5	6.6	6.2	5.0	4.5	3.5	3.0	1.0	Manufacture of rubber products			
-6.8	-9.0	-10.2	-8.4	-3.3	-4.4	-10.1	-7.5	-10.7	-11.8	-3.4	-0.6	1.0	-9.8	-9.9	-10.1	-10.8	-8.3	Manufacture of rubber tyres for vehicles			
11.3	8.6	7.1	6.1	6.3	5.6	5.3	2.9	-1.3	-3.5	-5.3	-8.6	-15.3	-11.6	-8.8	-6.4	-5.3	2.8	Manufacture of interchangeable tyre treads and retreading rubber tyres			
																		Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened			
4.9	7.8	8.5	9.2	6.9	5.1	3.8	0.1	1.0	2.3	0.2	-0.6	-0.7	-0.6	-1.6	-5.0	-5.9	-7.6	Rubber remilling and latex processing			
2.3	2.2	2.4	2.3	1.7	2.1	2.7	1.9	2.5	3.7	8.6	7.6	7.7	6.9	6.6	7.5	6.6	1.2	Manufacture of rubber gloves			
3.7	4.0	4.0	8.1	9.0	9.2	7.5	8.7	10.3	10.3	14.0	12.2	10.5	9.3	8.5	4.6	4.9	7.6	Manufacture of other rubber products n.e.c.			
2.8	2.0	1.7	1.6	2.5	1.9	3.6	4.2	3.6	3.9	4.3	2.8	1.3	0.0	-1.2	-1.7	-1.4	-0.3	Manufacture of plastics products			
																		Manufacture of semi-manufactures of plastic products			
-0.6	-3.3	-0.3	-0.4	2.4	2.9	2.9	2.6	5.4	5.0	8.2	6.9	4.0	1.5	-3.5	-3.3	-2.9	-4.7	Manufacture of finished plastic products			
7.0	6.7	7.2	6.2	6.8	5.6	5.9	6.5	5.7	5.6	3.5	2.6	1.6	-0.2	-0.4	-0.4	0.2	3.3	Manufacture of plastic articles for the packing of goods			
-8.1	-9.8	-9.5	-7.6	-8.3	-5.7	-7.2	-9.0	-3.6	-3.0	5.9	-4.7	-0.7	1.1	1.1	0.004	1.4	-0.6	Manufacture of builders' plastics ware			
3.5	6.4	6.0	7.0	7.1	7.3	7.9	8.6	8.8	10.2	9.5	7.2	3.8	-0.6	0.6	0.4	1.4	1.5	Manufacture of plastic tableware, kitchenware and toilet articles			
2.3	1.6	-1.5	-1.4	-1.0	-2.1	2.0	3.3	0.1	1.1	1.3	0.0	-1.1	-0.7	-1.0	-2.3	-2.5	-0.8	Manufacture of diverse plastic products n.e.c.			
1.8	-0.7	-1.2	-1.4	-1.3	-3.6	-4.4	-4.4	-2.6	-0.5	2.4	1.5	0.1	0.0	0.1	-1.5	1.4	0.7	Manufacture of glass and glass products			

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2020				2021			2020	2021					
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-3.2	1.6	-0.2	-3.4	-3.2	-2.3	-2.3	0.4	-2.7	0.4	1.6	1.5	1.6	-1.8	-1.8
23911	Pembuatan mortar refraktori dan konkrit															
&																
23921	Pembuatan seramik bukan refraktori	-2.3	1.7	1.2	-2.2	-2.3	-2.2	-0.1	0.6	-2.3	2.0	-4.9	2.7	1.7	-1.2	0.2
23930	Pembuatan produk porselin dan seramik lain	9.1	0.5	7.4	7.9	9.1	2.0	-1.1	-8.0	8.5	-6.5	-7.8	-7.3	0.5	4.8	5.2
23941	Pembuatan simen hidrolik	-4.3	6.4	6.3	-2.7	-4.3	-2.1	-2.8	2.4	-4.3	6.4	3.7	4.1	6.4	5.1	4.1
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-11.2	0.4	-4.8	-10.1	-11.2	-13.6	-7.2	-0.2	-11.0	1.5	3.8	3.9	0.4	-7.8	-5.2
23952	Pembuatan konkrit pratuangan, simen atau artikel batu															
&	buatan yang digunakan dalam pembinaan;															
23953	Pembuatan komponen struktur pasang siap untuk	-1.8	-1.7	-1.4	-3.8	-1.8	4.0	-1.2	1.8	-0.7	1.4	3.5	-0.7	-1.7	-3.1	-4.1
&	bangunan atau kejuruteraan awam dari simen, batu															
23959	atau konkrit buatan															
	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.															
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-2.4	5.1	-0.04	-0.6	-2.4	-5.1	-1.0	1.2	-0.5	3.8	2.9	4.3	5.1	0.9	-1.0
	Industri lain	0.3	9.1	1.2	0.4	0.3	-0.9	-1.2	-0.8	-0.2	-10.9	2.7	3.3	9.1	1.6	0.8
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	5.5	1.6	-1.7	-1.8	5.5	3.2	4.6	2.7	-0.6	3.5	1.6	3.2	1.6	-2.1	-0.8
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	-5.4	3.2	-3.8	-6.0	-5.4	-5.0	-2.9	-2.8	-5.7	-2.1	3.0	4.3	3.2	-2.4	-3.6
243	Pengacuan logam	-8.2	4.1	-5.1	-7.9	-8.2	2.8	1.4	-0.4	-9.5	2.0	6.8	-1.6	4.1	-1.3	-2.3
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	9.4	1.0	6.0	9.0	9.4	12.0	-1.2	-0.1	9.2	-1.0	0.2	1.7	1.0	-4.7	-0.1
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap															
&	dan pintu pagar daripada logam															
25119	Pembuatan produk struktur logam lain	7.4	-0.2	6.5	7.6	7.4	12.2	-2.5	0.2	8.1	-2.3	0.5	1.9	-0.2	-7.6	-2.4
25120	Pembuatan tangki, takungan dan kontena daripada															
	logam	14.7	5.6	4.1	12.7	14.7	13.2	7.5	2.9	13.6	3.2	1.4	3.6	5.6	2.6	4.9
	Industri lain	12.9	1.8	5.9	11.1	12.9	9.6	-5.3	-5.6	9.0	0.6	-2.4	-1.6	1.8	1.2	5.3
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	0.2	-0.5	-0.7	0.6	0.2	2.3	0.4	0.7	0.2	2.2	0.0	-0.3	-0.5	0.3	0.3
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan															
	logam; serbuk metalurgi	5.9	-1.5	3.4	5.8	5.9	7.9	2.9	2.1	5.9	3.1	0.3	0.2	-1.5	2.6	3.2
25920	Rawatan dan penyalutan logam; menggunakan mesin	3.8	-5.1	1.9	2.3	3.8	15.0	7.1	5.6	5.0	4.1	-6.6	-5.9	-5.1	0.4	5.4
25991	Pembuatan tin untuk produk makanan dan minuman,															
	tiub dan kotak boleh dilipat	-0.5	1.4	-2.1	-0.7	-0.5	-1.6	-0.3	-2.4	-0.4	-0.5	1.1	1.0	1.4	-0.2	-1.8
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal)															
&	dan artikel seumpamanya daripada logam															
25993	Pembuatan bolt, skru, nat dan produk uliran	0.7	1.9	2.7	2.6	0.7	-3.2	-5.2	-1.7	1.3	0.3	2.5	2.9	1.9	0.1	2.4
	seumpamanya															
25994	Pembuatan barangan rumah daripada logam	-6.6	-4.5	-4.5	-4.7	-6.6	-2.0	-11.5	-13.1	-7.1	-6.9	2.6	-4.3	-4.5	-4.5	-4.4
25999	Pembuatan produk lain yang direka daripada logam	-1.7	-1.4	-1.9	-1.5	-1.7	2.3	2.1	3.1	-2.8	4.1	-0.5	-0.8	-1.4	-2.5	-2.3
	t.t.t.l.															
	Industri lain	-7.9	4.4	-11.6	-7.1	-7.9	-6.9	-0.1	-1.0	-7.7	3.0	1.6	1.0	4.4	3.7	-5.7
261	Pembuatan komponen dan papan elektronik	-5.3	-1.1	-5.6	-6.7	-5.3	-1.4	6.5	7.6	-5.0	8.2	1.7	0.6	-1.1	-6.1	-5.8
26101	Pembuatan diod, transistor dan alatan semikonduktor															
&	yang seumpamanya															
26102	Pembuatan litar elektronik bersepadu dengan	-8.5	-3.5	-8.4	-9.3	-8.5	-3.7	4.6	7.2	-8.1	6.4	0.4	-2.3	-3.5	-7.8	-8.1
	pemasangan mikro															
26103	Pembuatan kapasitor dan perintang elektrik															
&																
26104	Pembuatan papan litar bercetak	0.6	0.2	-3.5	-2.5	0.6	3.6	10.5	9.0	0.4	11.9	1.7	2.3	0.2	-5.8	-4.5
&																
26105	Pembuatan komponen paparan	-9.7	14.7	8.9	-6.9	-9.7	-7.8	1.7	2.6	-6.4	2.8	13.6	17.9	14.7	8.4	8.1
26109	Pembuatan komponen lain untuk aplikasi elektronik															
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	2.4	3.6	-0.7	0.8	2.4	-5.7	5.0	7.6	2.0	9.3	-3.1	-1.6	3.6	-4.6	-1.0
263/ 26300	Pembuatan peralatan komunikasi	7.5	2.0	1.5	4.9	7.5	0.6	6.9	3.7	5.7	3.9	5.5	7.7	2.0	-3.8	-3.4
264/ 26400	Pembuatan peralatan elektronik pengguna	0.4	1.1	-0.05	1.8	0.4	-1.4	-1.6	-1.2	-0.1	0.4	0.2	1.2	1.1	-2.6	-2.7
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-6.4	7.9	-0.6	-5.6	-6.4	-5.2	2.2	3.9	-6.3	6.5	6.6	7.3	7.9	0.6	0.1
26511	Pembuatan kelengkapan mengukur, menguji, memandu															
&	arah dan kawalan	-4.7	12.1	2.6	-3.8	-4.7	-4.2	3.6	6.2	-4.2	6.5	10.0	10.6	12.1	4.0	3.6
26512	Pembuatan kelengkapan kawalan proses perindustrian															
26520	Pembuatan jam tangan dan jam dan bahagiannya	-11.6	-3.8	-9.9	-10.9	-11.6	-8.6	-2.5	-3.8	-12.6	6.5	-3.1	-2.0	-3.8	-9.2	-9.8
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-3.4	9.4	-0.2	-2.3	-3.4	-8.0	2.2	4.4	-3.9	1.1	5.1	9.8	9.4	-1.2	-0.5

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2020				2021			2020	2021					
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-2.6	2.0	-3.7	-0.1	-2.6	-10.6	-4.8	-4.9	1.3	-9.7	-8.0	0.5	2.0	-0.4	-1.6
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	5.6	-0.5	2.5	2.9	5.6	6.0	3.7	5.6	3.2	5.0	-1.4	-0.6	-0.5	-0.6	0.2
27101	Pembuatan motor elektrik, penjana dan transformer	6.2	9.3	10.2	12.0	6.2	8.0	6.2	6.4	14.6	4.2	7.9	9.6	9.3	7.6	8.8
27102	Pembuatan perkakasan pengagihan dan pengawalan	5.1	-7.3	-2.9	-3.2	5.1	4.3	1.8	4.9	-4.3	5.6	-7.9	-7.6	-7.3	-6.3	-5.8
272/ 27200	Pembuatan bateri dan akumulator	9.4	-2.3	6.3	10.0	9.4	11.2	0.5	-2.2	10.2	-9.0	-0.1	-0.3	-2.3	-0.9	0.7
273	Pembuatan pendawaian dan peranti pendawaian	1.7	-0.8	-6.6	-5.3	1.7	-1.0	9.6	9.4	2.1	5.7	-0.6	-0.5	-0.8	-6.5	-8.1
27310	Pembuatan kabel gentian optikal	-11.5	6.6	-3.9	-7.4	-11.5	-11.7	-4.2	4.4	-12.9	-2.2	3.2	2.7	6.6	-4.6	-3.7
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	2.5	-1.3	-7.1	-5.5	2.5	-0.5	9.4	8.7	3.3	4.8	-0.8	-0.6	-1.3	-6.8	-8.8
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	0.5	-0.1	-1.2	-1.7	0.5	-1.1	20.9	22.2	-3.4	23.5	-0.5	-0.7	-0.1	-2.5	-0.9
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-11.6	17.8	1.3	-1.8	-11.6	-11.3	-4.3	-9.0	-2.7	-17.1	22.2	17.7	17.8	4.1	3.5
275/ 27500	Pembuatan perkakasan domestik	-4.0	0.9	3.3	3.2	-4.0	-0.1	-1.7	-2.9	-0.5	2.2	-0.7	0.2	0.9	-1.2	-1.0
279/ 27900	Pembuatan kelengkapan elektrik lain	18.4	-2.3	3.0	16.9	18.4	16.0	11.1	-0.3	19.7	-0.1	0.5	0.1	-2.3	-3.0	-1.0
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	0.9	0.4	1.5	1.9	0.9	3.1	3.1	0.3	0.7	1.5	1.3	1.7	0.4	-0.9	0.1
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-7.1	-9.2	-14.2	-12.7	-7.1	-6.9	-0.7	3.8	-8.3	24.6	-12.9	-9.4	-9.2	-11.4	-15.7
28130	Pembuatan pam, pemampat, kepala paip dan injap lain															
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.9	0.5	2.3	1.7	0.9	5.2	3.8	-0.8	1.5	-5.0	1.3	4.4	0.5	-0.3	0.5
28220	Pembuatan jentera pembentukan logam dan alatan mesin															
28192	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-3.6	3.2	-5.4	-2.4	-3.6	-9.6	-2.7	-7.5	-4.1	-8.0	3.8	7.4	3.2	-6.7	-6.5
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-8.3	25.6	24.3	16.0	-8.3	-5.4	-6.1	-6.9	-7.3	-4.5	24.0	28.9	25.6	22.2	24.9
		5.8	-3.8	0.9	2.5	5.8	9.1	7.0	3.9	5.1	5.2	-1.3	-4.5	-3.8	-2.6	-0.8
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-9.5	-0.5	-10.5	-9.9	-9.5	-8.2	0.4	2.4	-9.9	1.4	0.8	-0.4	-0.5	-8.8	-9.8
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	-14.7	4.6	-10.2	-12.0	-14.7	-19.6	-0.6	0.8	-14.7	0.1	1.9	4.5	4.6	-6.9	-13.4
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-4.6	-0.2	-6.3	-5.5	-4.6	-5.6	0.9	0.5	-4.7	0.9	-0.4	0.3	-0.2	-4.7	-7.9
301 (30110 & 30120)	Pembinaan kapal dan bot	-1.2	3.6	-3.7	-0.2	-1.2	-0.7	-1.8	-0.8	-0.9	1.4	4.9	2.9	3.6	-3.8	-2.9
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.	-12.4	3.3	-13.8	-11.9	-12.4	-9.2	1.3	0.5	-11.5	1.2	2.8	4.4	3.3	-10.8	-11.4
30910	Pembuatan motosikal	-7.6	5.4	-7.5	-6.7	-7.6	-7.6	0.7	2.5	-6.3	3.2	3.1	5.3	5.4	-7.6	-7.8
30920	Pembuatan basikal dan invalid carriages	-23.0	0.7	-28.2	-25.8	-23.0	-13.0	6.3	-2.8	-24.8	-4.6	4.8	2.8	0.7	-27.9	-28.9
	Industri lain	-12.9	2.5	-14.6	-11.8	-12.9	-9.4	0.6	-0.2	-11.6	0.9	1.9	4.2	2.5	-8.3	-9.2
310	Pembuatan perabot	-2.9	1.2	-1.5	-1.2	-2.9	-0.7	-2.5	4.6	-3.0	4.7	2.0	1.4	1.2	-3.8	-2.1
31001	Pembuatan perabot kayu dan rotan	-3.4	0.8	-0.3	-0.5	-3.4	-1.9	-5.3	4.3	-2.3	4.8	1.4	1.0	0.8	-1.6	-1.2
	Industri lain	-1.4	2.5	-5.2	-3.5	-1.4	3.2	6.8	5.5	-5.0	4.2	4.2	2.8	2.5	-10.7	-4.9
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-9.8	-3.3	-6.9	-4.3	-9.8	-9.0	-8.4	-7.5	-9.6	-3.9	5.9	-1.0	-3.3	-9.7	-4.6
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	6.0	1.1	4.7	5.1	6.0	7.3	4.6	5.4	4.8	7.6	-2.4	1.4	1.1	1.7	4.0
32901	Pembuatan alat tulis	5.6	9.0	8.9	8.1	5.6	-4.0	-4.6	-3.9	5.8	1.8	9.0	12.7	9.0	6.8	6.6
	Industri lain	6.1	-1.4	3.3	4.1	6.1	11.3	7.8	8.6	4.5	9.6	-6.1	-2.2	-1.4	0.0	3.1
323/ 32300	Pembuatan barangan sukan	-1.2	-1.3	2.5	0.1	-1.2	14.7	6.9	5.4	0.4	10.8	1.9	-1.6	-1.3	2.8	2.8
324/ 32400	Pembuatan permainan dan mainan	-6.5	3.7	0.1	0.7	-6.5	-8.3	-7.7	-6.5	-4.6	-2.2	5.1	4.3	3.7	4.1	-0.1
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-2.6	3.5	-4.9	-3.5	-2.6	0.8	1.5	2.3	-3.3	4.8	4.9	4.6	3.5	-1.3	-3.4
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-5.9	2.1	-5.1	-8.7	-5.9	-9.3	-7.3	-4.2	-6.8	-3.5	4.4	6.1	2.1	-2.7	-3.9
	Industri lain	-1.9	3.8	-4.9	-2.4	-1.9	3.2	3.5	3.7	-2.5	6.5	5.1	4.2	3.8	-1.0	-3.3
Jumlah Pembuatan		-2.0	1.2	-2.2	-2.3	-2.0	-1.1	1.2	1.6	-2.2	2.6	1.4	1.6	1.2	-3.2	-2.8

2020							2021							Group Description/Period													
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.											Ogo.	Sep.	Okt.	Nov.
-3.7	-3.5	-2.5	-0.1	0.9	1.3	-2.6	-1.2	-9.9	-10.6	-8.8	-6.9	-4.8	-5.4	-3.8	-4.9	-4.8	-9.7	Manufacture of optical instruments, photographic equipment, magnetic and optical media									
2.5	1.9	1.9	2.9	3.1	3.2	5.6	5.9	5.4	6.0	5.0	4.3	3.7	2.8	4.2	5.6	5.4	5.0	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus									
10.2	9.0	9.2	12.0	14.2	14.6	6.2	7.9	7.3	8.0	7.0	6.0	6.2	5.7	6.3	6.4	5.4	4.2	Manufacture of electric motors, generators and transformers									
-2.9	-3.2	-3.2	-3.2	-4.4	-4.3	5.1	4.4	3.9	4.3	3.4	3.0	1.8	0.4	2.5	4.9	5.4	5.6	Manufacture of electricity distribution and control apparatus									
6.3	5.8	7.0	10.0	10.5	10.2	9.4	10.9	10.0	11.2	9.3	8.8	0.5	-1.3	3.7	-2.2	-2.2	-9.0	Manufacture of batteries and accumulators									
-6.6	-5.8	-5.3	-5.3	1.0	2.1	1.7	0.3	-0.9	-1.0	4.7	7.6	9.6	8.8	8.4	9.4	5.3	5.7	Manufacture of wiring and wiring devices									
-3.9	-2.6	-5.3	-7.4	-11.1	-12.9	-11.5	-13.3	-12.9	-11.7	-3.6	-2.9	-4.2	-2.9	-2.9	4.4	6.2	-2.2	Manufacture of fibre optic cables									
-7.1	-6.2	-5.6	-5.5	1.8	3.3	2.5	1.1	-0.2	-0.5	5.5	8.6	9.4	8.5	7.9	8.7	4.0	4.8	Manufacture of other electronic and electric wires and cables									
-1.2	-1.9	-2.1	-1.7	-1.1	-3.4	0.5	-1.1	-1.4	-1.1	-0.2	1.1	20.9	20.6	21.4	22.2	22.5	23.5	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material									
1.3	0.0	-0.1	-1.8	-1.4	-2.7	-11.6	-11.5	-10.6	-11.3	-5.2	-5.0	-4.3	-5.7	-8.1	-9.0	-10.4	-17.1	Manufacture of electric lighting equipment									
3.3	2.4	2.6	3.2	2.2	-0.5	-4.0	-5.5	-5.7	-0.1	0.4	0.7	-1.7	-2.7	-3.0	-2.9	1.2	2.2	Manufacture of domestic appliances									
3.0	11.4	12.0	16.9	19.8	19.7	18.4	18.7	16.8	16.0	16.8	16.3	11.1	3.7	2.3	-0.3	-2.4	-0.1	Manufacture of other electrical equipment									
1.5	0.4	0.9	1.9	1.2	0.7	0.9	1.5	1.6	3.1	4.2	3.5	3.1	0.9	1.0	0.3	1.2	1.5	Manufacture of general-purpose and special-purpose machinery									
-14.2	-16.6	-14.7	-12.7	-15.5	-8.3	-7.1	-7.4	-8.1	-6.9	-5.0	0.4	-0.7	2.9	3.7	3.8	3.4	24.6	Manufacture of fluid power equipment									
																		Manufacture of other pumps, compressors, taps and valves									
																		Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives									
2.3	0.6	1.6	1.7	-0.2	1.5	0.9	4.0	4.0	5.2	5.8	5.1	3.8	0.8	0.5	-0.8	0.6	-5.0	Manufacture of metal-forming machinery and machine tools									
-5.4	-7.2	-5.7	-2.4	-4.5	-4.1	-3.6	-14.4	-17.1	-9.6	0.6	-0.5	-2.7	-5.8	-5.2	-7.5	-8.5	-8.0	Manufacture of air-conditioning machines, including for motor vehicles									
24.3	21.8	21.2	16.0	13.6	-7.3	-8.3	-4.5	-8.4	-5.4	-2.6	-4.6	-6.1	-5.8	-6.6	-6.9	-4.9	-4.5	Manufacture of other special-purpose machinery									
0.9	0.6	0.5	2.5	3.7	5.1	5.8	7.2	9.7	9.1	7.2	6.0	7.0	3.9	4.2	3.9	4.8	5.2	Other industry									
-10.5	-10.5	-10.2	-9.9	-11.5	-9.9	-9.5	-9.9	-8.2	-8.2	0.3	0.9	0.4	-0.2	0.6	2.4	3.8	1.4	Manufacture of motor vehicles									
-10.2	-12.3	-10.9	-12.0	-11.8	-14.7	-14.7	-19.0	-19.8	-19.6	-3.6	5.1	-0.6	1.9	0.8	0.8	1.2	0.1	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers									
-6.3	-6.4	-5.7	-5.5	-4.9	-4.7	-4.6	-6.1	-5.8	-5.6	0.7	2.9	0.9	-0.3	-0.7	0.5	1.4	0.9	Manufacture of parts and accessories for motor vehicles									
-3.7	-0.7	-0.8	-0.2	-1.4	-0.9	-1.2	-4.6	-1.8	-0.7	1.7	0.3	-1.8	-5.1	-4.7	-0.8	1.7	1.4	Building of ships and boats									
-13.8	-11.7	-12.4	-11.9	-12.1	-11.5	-12.4	-10.5	-10.5	-9.2	0.6	0.4	1.3	-0.8	-0.7	0.5	1.6	1.2	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c									
-7.5	-7.4	-7.5	-6.7	-7.2	-6.3	-7.6	-9.1	-8.7	-7.6	0.6	0.5	0.7	0.4	1.0	2.5	4.2	3.2	Manufacture of motorcycles									
-28.2	-28.4	-29.6	-25.8	-25.3	-24.8	-23.0	-15.6	-13.3	-13.0	9.0	8.1	6.3	3.9	3.1	-2.8	-3.6	-4.6	Manufacture of bicycles and invalid carriages									
-14.6	-10.2	-11.1	-11.8	-12.2	-11.6	-12.9	-10.2	-11.3	-9.4	-1.4	-1.3	0.6	-2.8	-2.7	-0.2	0.9	0.9	Other industry									
-1.5	-1.2	-1.3	-1.2	-2.8	-3.0	-2.9	-1.3	-1.1	-0.7	5.8	3.6	-2.5	-4.4	-4.1	4.6	4.5	4.7	Manufacture of furniture									
-0.3	-0.4	-0.7	-0.5	-2.0	-2.3	-3.4	-2.7	-2.6	-1.9	2.8	2.0	-5.3	-7.5	-7.2	4.3	4.1	4.8	Manufacture of wooden and cane furniture									
-5.2	-3.6	-3.2	-3.5	-5.4	-5.0	-1.4	3.4	3.4	3.2	16.0	8.6	6.8	5.7	5.7	5.5	6.1	4.2	Other industry									
-6.9	-6.3	-7.7	-4.3	-9.5	-9.6	-9.8	-9.4	-4.6	-9.0	-3.4	-9.2	-8.4	-6.6	-6.9	-7.5	-6.4	-3.9	Manufacture of jewellery, bijouterie and related articles									
4.7	4.6	5.1	5.1	4.8	4.8	6.0	5.2	5.7	7.3	8.5	7.5	4.6	4.9	5.4	5.4	6.5	7.6	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.									
8.9	7.2	7.1	8.1	8.3	5.8	5.6	-3.3	-6.9	-4.0	-1.8	-1.9	-4.6	-4.1	-3.9	-3.9	-1.0	1.8	Manufacture of stationery									
3.3	3.8	4.4	4.1	3.6	4.5	6.1	8.3	10.4	11.3	12.0	10.7	7.8	8.1	8.6	8.6	9.1	9.6	Other industry									
2.5	1.2	2.3	0.1	-0.3	0.4	-1.2	12.1	14.3	14.7	9.2	8.4	6.9	7.3	5.6	5.4	7.7	10.8	Manufacture of sports goods									
0.1	-1.7	-0.5	0.7	-0.8	-4.6	-6.5	-7.6	-8.8	-8.3	-10.5	-6.9	-7.7	-7.4	-7.6	-6.5	-3.4	-2.2	Manufacture of games and toys									
-4.9	-3.5	-4.1	-3.5	-3.1	-3.3	-2.6	-2.4	-0.6	0.8	1.7	3.4	1.5	1.3	1.9	2.3	4.2	4.8	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment									
-5.1	-9.0	-8.8	-8.7	-8.3	-6.8	-5.9	-8.2	-11.2	-9.3	-3.7	-3.4	-7.3	-4.0	-4.1	-4.2	-4.7	-3.5	Repair and maintenance of transport equipment except motorcycles and bicycles									
-4.9	-2.2	-3.1	-2.4	-1.9	-2.5	-1.9	-1.1	1.9	3.2	2.9	4.9	3.5	2.4	3.2	3.7	6.0	6.5	Other industry									
-2.2	-2.4	-2.5	-2.4	-2.3	-2.2	-2.0	-2.4	-2.2	-1.1	3.0	2.8	1.2	0.8	1.0	1.6	2.4	2.6	Total Manufacturing									

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021				Jan.	Feb.	Mac	Apr.	Mei	Jun
		Q1	Q2	Q3	Q4	Q1	Q2	Q3							
101	Pemprosesan dan pengawetan daging	-2.0	-2.1	2.9	-3.2	1.7	-0.2	3.7	-3.0	1.3	-0.2	-0.5	-0.7	-0.9	
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	-4.0	-3.5	0.2	-2.2	4.8	-2.9	0.5	-5.0	2.0	-0.9	-7.2	0.8	3.3	
	10201 Pengetinan ikan, krustasea dan moluska &														
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	-3.3	-1.8	-0.2	-1.9	3.8	-2.4	-0.7	-5.7	2.7	-0.2	-5.4	0.6	3.1	
	Industri lain	-8.0	-12.4	2.2	-4.1	10.7	-5.9	7.9	-1.4	-2.1	-4.7	-17.6	1.8	4.5	
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	9.5	5.2	-7.9	-0.6	1.2	-0.7	-8.7	14.9	-1.4	-3.3	14.7	-8.2	-0.1	
	10303 Pengetinan nanas &														
	10304 Pembuatan jem, marmalad dan sajian jeli Industri lain	2.9	-0.7	7.5	0.01	1.2	-1.8	-50.7	6.7	-2.1	-1.4	-2.3	1.5	0.1	
		10.2	5.8	-9.4	-0.6	1.2	-0.5	-4.1	15.7	-1.4	-3.5	16.4	-9.0	-0.1	
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	0.8	1.8	-0.9	-2.9	0.2	0.4	2.1	3.1	-0.2	-2.1	1.1	-0.4	1.1	
	10404 Pembuatan minyak sayuran mentah dan bertapis &														
	10406 Pembuatan sebatian lemak masakan	2.2	-6.5	3.6	-0.7	1.5	-0.8	0.0	5.8	-4.6	1.2	-8.5	-3.5	5.8	
	10405 Pembuatan minyak kelapa Industri lain	-2.7	0.3	0.4	0.1	1.3	-1.1	-0.02	1.0	-3.8	0.1	0.1	-0.1	0.3	
		0.8	2.3	-1.1	-3.1	0.1	0.5	2.3	3.0	0.2	-2.3	1.6	-0.2	0.9	
105	Pembuatan produk tenusu	-2.8	1.4	1.0	-3.7	6.3	0.7	0.1	2.7	-1.2	-4.3	0.6	0.9	-0.1	
	10502 Pembuatan susu pekat, tepung dan sejat	-5.0	-0.8	1.7	-3.7	7.0	0.4	0.5	1.0	-0.4	-5.5	-1.4	1.1	-0.4	
	Industri lain	4.0	7.9	-0.9	-3.7	4.3	1.4	-1.0	8.2	-3.4	-0.6	6.5	0.4	0.9	
106	Pembuatan produk bijian, kanji dan produk berkanji	4.3	-3.0	0.2	-0.4	2.4	-0.05	3.1	4.3	-0.6	0.6	-0.1	-1.3	-1.6	
	10611 Pengilangan beras	5.0	-2.5	1.0	-2.6	5.2	-1.0	6.7	5.5	-0.7	0.2	0.4	-2.1	-0.8	
	10613 Pengilangan tepung Industri lain	2.8	-1.7	-0.04	0.4	0.2	1.5	0.4	2.6	-0.9	1.1	-1.4	-0.2	-0.1	
		8.2	-10.9	-2.2	6.4	-0.3	-2.6	-2.2	6.7	0.6	0.9	3.2	-2.6	-11.3	
107	Pembuatan produk makanan lain	2.2	0.4	0.5	-0.8	4.5	0.5	0.4	2.8	-0.7	0.1	-1.1	0.1	1.4	
	10711 Pembuatan biskut dan cookies	2.3	2.6	1.5	-1.4	-1.0	-0.1	0.0004	4.2	-1.4	-0.4	2.6	-0.8	0.8	
	10712 Pembuatan roti, kek dan produk bakeri lain	0.7	-4.4	0.5	-1.6	1.9	4.9	1.4	2.6	-1.7	-0.1	-3.4	-2.0	1.0	
	10713 Pembuatan produk snek	0.2	-1.2	-1.9	0.2	1.2	-0.5	-4.4	2.3	-1.4	-0.7	0.1	-0.1	-1.3	
	10721 Pembuatan gula	-0.9	0.3	-11.2	0.3	-0.3	-1.0	1.2	0.4	-0.9	-0.4	-0.3	0.4	0.1	
	10731 Pembuatan produk koko	1.7	5.2	0.4	-8.5	-1.3	-1.7	-1.2	2.8	-1.9	0.7	-1.0	0.3	5.9	
	10732 Pembuatan coklat dan produk coklat &														
	10733 Pembuatan konfeksi gula	-4.6	-4.6	-0.2	-2.9	-0.6	-1.3	-1.5	-4.6	1.8	-1.8	-1.8	-3.1	0.3	
	10793 Pembuatan sos dan bahan perasa	-1.3	3.2	1.1	-0.2	12.7	-2.1	1.0	-2.6	1.2	0.2	0.4	0.5	2.2	
	10799 Pembuatan produk makanan lain t.t.t.l. Industri lain	-0.8	4.1	1.2	4.3	14.9	-1.5	0.4	-0.5	-0.1	-0.2	-2.1	0.8	5.5	
		9.0	3.6	1.4	-1.1	5.6	-0.4	1.2	8.2	-0.6	1.4	-0.4	2.9	1.1	
108/ 10800	Pembuatan makanan haiwan tersedia	1.3	-0.9	0.8	-5.7	-1.0	-0.2	-10.6	3.0	-0.1	-1.5	-3.6	0.9	1.9	
110	Pembuatan minuman ringan	2.7	-11.4	-0.3	-1.5	2.8	-3.0	2.5	2.9	0.4	-0.6	-9.2	-1.8	-0.7	
	11041 Pembuatan minuman ringan	4.5	-11.6	-0.8	-0.9	0.2	-1.3	-0.9	4.4	0.9	-0.8	-10.9	0.4	-1.2	
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan Industri lain	-1.3	-8.6	0.2	-2.2	2.0	-6.3	2.6	-0.9	0.01	-0.4	-7.1	-1.4	-0.3	
		1.8	-18.5	1.6	-3.6	26.5	-5.0	25.4	3.8	-2.2	0.3	-2.3	-18.0	1.6	
120/ 12000	Pembuatan produk tembakau	1.3	-39.5	10.0	7.8	21.7	-18.5	3.9	0.2	0.7	0.3	-40.4	1.5	-0.1	
131	Pemintalan, penenunan dan penyiapan tekstil	0.7	-3.5	-3.3	-1.5	0.7	-2.7	0.7	3.2	-0.8	-1.5	-6.1	1.1	1.7	
	13110 Penyediaan dan pemintalan gentian tekstil &														
	13120 Penenunan tekstil	0.9	-1.3	-1.0	-1.3	-0.6	-2.2	-2.5	4.2	-1.5	-1.7	-2.2	1.0	-0.1	
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik Industri lain	3.2	-8.3	-11.4	-0.9	6.0	0.1	10.4	3.3	0.9	-1.0	-0.8	-5.5	-2.1	
		-10.5	-9.6	2.0	-7.1	-2.1	-21.6	2.9	-8.7	-0.2	-1.8	-78.4	138.9	75.6	
139	Pembuatan tekstil lain	1.8	-3.0	-0.9	-2.0	4.4	0.05	1.3	5.2	0.7	-3.9	-4.9	2.6	-0.6	
	13910 Pembuatan fabrik dikait dan dikrusye Industri lain	-0.01	-4.14	0.43	-1.98	2.4	2.6	2.3	-1.1	1.1	0.02	-4.4	2.1	-1.8	
		3.0	-2.2	-1.8	-2.1	5.8	-1.6	0.5	9.4	0.5	-6.3	-5.2	2.9	0.2	
141	Pembuatan pakaian, kecuali pakaian berbulu	2.9	-9.4	-12.2	-4.1	0.7	-4.4	-1.3	3.3	-0.1	-0.3	-8.6	1.4	-2.2	
	14102 Pembuatan pakaian Industri lain	2.5	-9.9	-15.5	-5.3	0.4	-2.3	-1.1	2.9	-0.3	-0.04	-7.8	1.4	-3.6	
		4.0	-7.6	-2.1	-1.0	1.4	-9.9	-1.9	4.6	0.4	-1.0	-11.2	1.6	2.4	
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	5.4	-21.8	-8.2	0.8	-4.3	-0.8	-16.4	1.5	3.5	0.4	-20.0	-1.3	-0.9	
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	0.5	-5.1	2.0	2.9	0.8	-2.9	6.6	0.6	0.5	-0.6	-3.5	-1.3	-0.3	
152	Pembuatan kasut	2.2	-3.0	-4.7	0.6	2.2	-3.5	-0.1	2.4	3.2	-3.3	-5.0	2.1	-0.04	
	15201 Pembuatan kasut kulit &														
	15203 Pembuatan kasut getah Industri lain	1.5	-6.7	-4.0	2.7	0.5	-5.0	-2.3	0.8	6.7	-5.7	-10.1	4.6	-0.8	
		3.1	1.9	-5.5	-2.1	4.4	-1.7	2.5	4.5	-1.3	0.0	1.8	-0.8	0.9	
161/ 16100	Pengilangan dan pengetaman kayu	1.0	-8.4	1.7	-0.5	0.9	-7.7	11.1	5.3	-0.3	-3.8	-16.2	7.9	1.4	

2020						2021											Group Description/Period		
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.			
-0.3	-0.01	3.2	-3.3	0.2	-0.1	3.6	-0.8	-1.0	-0.02	0.05	-0.3	-0.1	-0.6	4.4	-2.7	-0.4	Processing and preserving of meat		
0.1	-0.1	0.1	-0.8	-1.3	-0.2	5.1	0.1	-0.4	-1.2	-1.1	-0.7	0.1	-0.7	1.1	-0.8	-0.7	Processing and preserving of fish, crustaceans and molluscs Canning of fish, crustaceans and molluscs		
-0.4	-0.1	0.3	-0.8	-1.2	0.0	3.5	0.5	-0.2	-1.1	-1.1	-0.2	-0.6	-0.7	0.6	-1.0	-1.4	Processing, curing and preserving of fish, crustacean and molluscs		
3.2	-0.2	-0.7	-1.3	-1.6	-1.3	15.0	-1.9	-1.8	-1.4	-1.3	-3.3	4.6	-0.7	4.0	0.1	3.6	Other industry		
-6.2	0.9	-2.7	-0.4	-0.4	0.3	4.0	-1.3	-1.4	0.6	-1.2	-0.1	0.9	-8.1	-1.4	-2.2	-0.7	Processing and preserving of fruits and vegetable Pineapple canning		
9.8	-4.3	2.3	-0.4	-0.3	0.7	3.2	-0.9	-0.9	-1.3	-0.2	-0.2	-0.6	-50.1	-0.7	-0.2	-1.6	Manufacture of jams, marmalades and table jellies		
-7.7	1.4	-3.2	-0.4	-0.5	0.3	4.1	-1.4	-1.4	0.8	-1.2	-0.04	1.0	-3.6	-1.4	-2.3	-0.7	Other industry		
-0.7	0.1	-0.3	-2.6	-0.1	-0.3	0.4	0.0	-0.3	0.04	0.4	0.02	0.9	-0.1	1.3	-2.0	1.6	Manufacture of vegetable and animal oils and fats Manufacture of crude and refined vegetable oil		
2.7	-0.2	1.0	-0.2	-0.5	-0.1	-1.1	0.1	2.5	-0.8	0.8	-0.8	0.0	0.1	-0.1	-0.01	4.6	Manufacture of compound cooking fats		
-0.1	0.5	0.0	0.3	-0.1	-0.1	0.4	0.8	0.1	-0.7	-0.4	0.0	-0.9	0.8	0.1	0.0	2.8	Manufacture of coconut oil		
-0.9	0.1	-0.4	-2.8	-0.1	-0.3	0.5	0.0	-0.4	0.1	0.4	0.1	1.0	-0.1	1.4	-2.1	1.4	Other industry		
0.1	0.7	0.1	-3.2	-0.1	-0.4	4.5	0.9	0.8	1.0	-0.3	-0.05	-0.4	0.4	0.1	-4.5	-0.4	Manufacture of dairy products Manufacture of condensed, powdered and evaporated milk		
0.4	1.0	0.2	-3.3	0.1	-0.5	6.2	0.4	0.4	0.7	-0.3	0.03	-0.2	0.8	-0.1	-4.7	-0.02	Other industry		
-0.8	0.04	-0.1	-3.0	-0.4	-0.2	-0.1	2.2	2.1	1.9	-0.3	-0.3	-0.8	-0.7	0.5	-4.2	-1.6	Manufacture of grain mill products, starches and starch products Rice milling		
-0.01	-0.5	0.7	-0.9	0.5	0.0	3.0	-0.6	0.1	-0.3	0.4	-0.2	-0.1	1.0	2.2	-0.4	-0.8	Flour milling		
0.3	-0.5	1.2	-1.8	-0.6	-0.2	6.4	-0.9	-0.2	-0.9	0.4	-0.4	-0.2	3.5	3.3	-0.8	-4.6	Other industry		
0.2	-0.8	0.6	-0.2	-0.2	0.7	-0.4	-0.1	0.7	0.3	1.1	0.1	0.1	-0.6	0.9	-0.4	2.1	Other industry		
-2.1	0.6	-0.7	0.5	8.4	-2.3	2.6	-1.3	-1.6	-0.1	-2.1	-0.4	-0.7	-3.9	2.5	1.7	5.3	Other industry		
0.4	-0.3	0.5	-1.5	0.2	0.5	4.2	0.2	0.1	0.3	-0.7	0.9	0.2	-0.2	0.3	-0.2	1.1	Manufacture of other food products Manufacture of biscuits and cookies		
2.3	-0.3	-0.5	-0.6	-0.2	-0.6	0.0	-0.5	-0.5	0.9	-1.4	0.4	-0.9	-0.1	1.1	2.7	17.6	Manufacture of bread, cakes and other bakery products		
0.6	-1.2	1.1	-2.0	0.1	0.2	1.8	0.1	0.0	1.8	-0.6	3.7	0.2	0.4	0.7	-1.5	0.5	Manufacture of snack products		
1.2	-0.2	-2.9	-0.2	0.4	-0.1	3.3	-1.0	-1.0	-0.6	-0.4	0.5	-0.6	-0.3	-3.5	-0.8	0.3	Manufacture of sugar		
-11.9	0.4	0.4	0.05	0.0	0.2	-0.5	0.1	0.1	-0.7	-0.2	-0.1	-0.3	1.2	0.3	-2.8	-2.0	Manufacture of cocoa products		
0.1	-0.1	0.4	-6.5	-2.1	0.1	-0.1	-0.6	-0.6	-0.9	-1.2	0.5	0.3	-1.2	-0.3	-3.2	1.4	Manufacture of chocolate and chocolate products		
-0.9	-0.04	0.7	-3.1	0.7	-0.5	0.7	-0.6	-0.8	-0.2	-0.4	-0.7	-0.8	-0.1	-0.6	0.7	-5.4	Manufacture of sugar confectionery		
0.1	-0.2	1.2	0.3	-0.5	0.0	14.4	-0.8	-0.7	-0.4	-0.7	-0.9	-0.5	0.5	1.0	0.5	4.3	Manufacture of sauces and condiments		
0.8	0.3	0.1	-2.2	2.1	4.4	10.3	3.6	0.6	-1.5	-0.5	0.4	0.6	-2.1	1.9	-0.9	-4.1	Manufacture of other food products n.e.c.		
0.3	-0.1	1.3	-1.2	-0.1	0.2	4.6	0.01	1.0	0.2	-0.6	0.1	1.1	-0.02	0.1	0.2	-0.9	Other industry		
0.4	0.05	0.3	-6.0	0.1	0.2	-1.2	0.2	0.03	0.3	-0.2	-0.4	1.9	-12.3	0.1	-2.2	-2.7	Manufacture of prepared animal feeds		
1.4	-0.2	-1.5	-2.6	-0.2	1.4	1.9	0.5	0.3	-1.0	-0.7	-1.3	-0.1	2.4	0.2	-1.7	0.0	Manufacture of beverages Manufacture of soft drinks		
1.0	0.02	-1.7	-2.4	0.0	1.5	-0.4	0.4	0.3	-0.7	-0.7	0.1	-1.3	0.04	0.4	0.04	0.3	Production of natural mineral waters and other bottled waters		
2.0	-0.7	-1.0	-2.9	1.4	-0.7	1.4	0.3	0.3	-1.5	-1.0	-4.0	3.3	-0.7	-0.05	-4.0	2.2	Other industry		
3.6	-0.8	-1.1	-3.3	-7.8	8.1	23.3	2.4	0.2	-1.1	-0.5	-3.5	-1.1	27.0	-0.1	-6.1	-6.7	Manufacture of tobacco products		
-0.8	-1.0	12.0	3.5	6.3	-2.1	7.2	14.9	-1.2	-18.4	0.3	-0.5	-3.3	-4.7	12.7	0.2	0.1	Spinning, weaving and finishing of textiles Preparation and spinning of textile fibres		
-2.5	0.2	-0.9	0.4	-0.7	-1.2	-0.7	1.2	0.3	-0.1	0.2	-2.8	-1.2	1.8	0.1	0.9	-1.7	Weaving of textiles		
-0.9	0.2	-0.3	0.3	-0.8	-0.8	-1.1	0.9	-0.5	-0.3	-0.2	-1.8	-1.3	-1.0	-0.3	-0.4	0.01	Dyeing, bleaching, printing and finishing of yarns and fabrics		
-8.1	-0.3	-3.3	0.6	-0.6	-0.9	-1.0	3.5	3.5	0.5	0.0	-0.5	2.2	3.9	4.0	5.2	-3.7	Other industry		
0.0	2.0	0.0	0.6	-0.6	-7.1	4.9	-3.4	-3.3	-1.1	6.9	-25.8	-18.8	48.2	-14.5	-2.8	-18.6	Manufacture of other textiles Manufacture of knitted and crocheted fabrics		
-1.0	1.1	-1.0	-1.5	-0.3	-0.3	4.8	-1.0	0.6	0.2	2.0	-2.1	-0.1	0.03	1.3	-0.2	2.7	Other industry		
-0.3	1.5	-0.8	-1.3	-0.4	-0.4	3.1	-0.3	-0.4	0.9	2.1	-0.4	0.1	-0.3	2.6	0.5	1.95	Manufacture of wearing apparel, except fur Manufacture of clothings		
-1.4	0.8	-1.1	-1.6	-0.2	-0.2	6.0	-1.5	1.3	-0.2	1.9	-3.2	-0.1	0.3	0.4	-0.7	3.1	Other industry		
-6.4	-7.5	1.3	-2.3	-1.7	-0.2	0.1	0.6	-0.02	-0.4	1.2	-5.2	-0.7	1.0	-1.5	-0.4	7.2	Manufacture of articles of fur, knitted and crocheted apparel Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur		
-7.4	-10.0	1.3	-2.7	-2.3	-0.3	-0.5	0.8	0.1	-0.1	1.9	-4.0	-0.6	1.2	-1.6	-0.9	6.9	Manufacture of footwear Manufacture of leather footwear		
-3.5	0.02	1.4	-1.1	-0.2	0.3	1.6	0.1	-0.3	-1.3	-0.5	-8.2	-1.0	0.4	-1.3	0.8	8.3	Other industry		
-7.9	0.01	-0.3	0.1	-1.1	1.7	-4.3	1.9	-1.9	-0.4	-0.4	0.0	-0.3	-16.4	0.2	-3.4	3.8	Manufacture of footwear Manufacture of leather footwear		
0.6	0.2	1.1	0.5	0.8	1.6	0.2	1.4	-0.7	-0.04	0.6	-3.5	-2.0	4.6	4.0	2.9	0.5	Manufacture of footwear Manufacture of leather footwear		
-3.4	-1.8	0.5	-0.1	1.1	-0.5	2.9	1.6	-2.3	0.5	0.05	-4.0	-1.4	-0.8	2.1	1.3	0.7	Manufacture of footwear Manufacture of rubber footwear		
-2.3	-1.9	0.1	0.8	1.3	0.6	2.4	1.2	-3.0	1.2	0.4	-6.5	-0.6	-1.0	-0.7	3.0	1.8	Other industry		
-4.8	-1.7	1.0	-1.1	0.8	-1.7	3.6	2.2	-1.3	-0.5	-0.4	-0.8	-2.5	-0.5	5.6	-0.7	-0.7	Other industry		
1.7	-0.5	0.4	-0.2	0.1	-0.4	1.1	0.1	-0.3	0.9	-0.1	-8.4	6.9	1.8	2.1	-0.1	0.6	Sawmilling and planning of wood		

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Jan.	Feb.	Mac	Apr.	Mei	Jun
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-1.5	-5.4	0.3	-2.1	-1.8	0.9	2.7	1.8	-0.6	-2.6	-7.0	1.5	0.3
16211	Pembuatan kepingan venier dan papan lapis	-1.0	-9.1	-0.1	-3.5	-3.6	0.8	5.4	0.5	0.6	-2.0	-9.8	0.4	0.4
16212	Pembuatan papan partikel dan papan gentian	-4.0	-7.7	-1.0	-0.5	0.6	-6.7	-2.3	-0.2	-3.2	-0.7	-2.1	-2.6	-3.2
16221	Pertukangan kayu untuk jurubina	-0.7	4.4	2.0	-0.9	3.0	2.9	0.2	9.4	-3.5	-6.0	0.4	2.4	1.6
	Industri lain	-2.5	1.6	1.1	0.9	-2.0	4.1	-0.8	0.8	-0.4	-2.9	-6.8	8.0	0.9
170	Pembuatan kertas dan produk kertas	0.1	-7.5	0.8	1.9	1.9	-2.0	1.1	1.2	-0.1	-0.9	-8.4	0.2	0.8
17010	Pembuatan pulpa, kertas dan kertas tebal	1.6	-2.1	1.5	2.0	1.4	-3.0	0.9	3.9	3.9	-5.9	-5.2	3.4	-0.04
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-1.4	-9.0	2.5	2.2	0.9	-0.7	0.1	-3.1	1.6	0.1	-9.5	-0.7	1.2
17091	Pembuatan sampul surat dan kad surat	-0.6	-11.0	1.2	1.0	3.0	-2.5	-1.3	-1.4	-0.5	1.3	-11.1	2.0	-1.9
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	2.6	-9.0	-0.3	1.4	1.0	-1.0	0.2	8.5	-5.2	-0.2	-8.0	-1.7	0.6
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-0.2	-8.8	-2.5	3.1	7.3	-5.5	6.7	0.5	-0.6	-0.1	-10.2	0.5	1.0
	Industri lain	0.1	-3.0	-0.3	0.7	1.3	-2.6	0.8	3.0	-1.6	-1.2	-5.8	1.7	1.2
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	0.6	-4.7	0.7	2.0	0.9	-3.9	-0.9	3.4	-0.6	-2.1	-7.7	0.7	2.6
18110	Percetakan	0.1	-6.0	0.6	2.6	1.1	-3.8	-1.0	2.8	-0.3	-2.4	-9.4	0.7	2.9
18120	Aktiviti perkhidmatan berkaitan percetakan													
&														
18200	Penerbitan semula media rakaman	3.0	1.0	1.0	-0.4	0.2	-4.0	-0.4	5.9	-1.8	-1.0	-0.7	0.5	1.2
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	0.5	-11.7	2.6	1.9	3.5	-2.3	2.0	1.0	-0.2	-0.3	-9.5	-2.2	-0.3
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	1.2	-12.1	2.7	1.4	-2.2	-3.2	0.6	4.1	-2.2	-0.7	-12.1	0.3	-0.4
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	2.8	-14.2	2.3	2.8	7.4	-0.7	1.9	3.2	-0.02	-0.4	-15.0	0.7	0.2
20112	Pembuatan kimia organik asas													
&														
20113	Pembuatan sebatian bukan organik	1.0	-6.6	1.8	2.3	0.7	-2.1	1.0	3.3	-1.1	-1.2	-7.7	2.1	-0.9
20121	Pembuatan baja													
&														
20129	Pembuatan produk campuran nitrogen	-0.5	-8.9	2.4	2.2	3.4	-8.8	1.1	5.8	-6.0	0.01	-6.4	-2.5	-0.2
20131	Pembuatan plastik dalam bentuk primer	2.9	-20.7	4.3	-0.7	-15.8	-0.8	-1.6	4.5	-1.0	-0.6	-20.6	0.2	-0.3
	Industri lain	-5.3	1.2	2.3	0.2	4.3	-3.1	1.6	2.9	-5.8	-2.3	-0.1	0.8	0.5
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	1.2	-6.5	1.3	-1.0	9.2	-3.2	-1.1	1.4	0.8	-1.0	-7.7	0.5	0.8
20210	Pembuatan racun perosak dan produk agrokimia lain	-1.3	0.3	1.2	-0.9	14.2	-1.5	-0.7	1.6	-0.4	-2.4	-0.3	-0.9	1.5
20221	Pembuatan cat, varnis dan penyadur dan mastik	-1.3	-12.0	-1.9	0.2	19.5	-16.7	-2.7	0.7	-1.3	-0.6	-11.1	-1.3	0.3
20222	Pembuatan dakwat cetak	-1.4	-0.3	0.4	-1.9	23.1	0.8	0.0	-0.3	-1.2	0.0	-0.1	-0.1	0.0
20231	Pembuatan sabun dan bahan pencuci, penyediaan													
&	membersih dan mengilap	-0.4	-3.7	4.1	-1.4	1.6	0.8	-1.7	0.0	1.5	-1.9	-7.2	2.4	1.3
20232	Pembuatan pewangi dan penyediaan dandanan diri													
20291	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials													
&														
20292	Pembuatan dakwat menulis dan melukis	7.3	-9.5	0.03	-1.4	8.1	0.8	0.4	4.8	2.4	0.01	-9.7	-0.1	0.4
&														
20299	Pembuatan produk kimia lain t.t.t.l.													
	Industri lain	4.8	-1.8	-1.0	3.6	-2.9	0.6	-1.0	5.4	-0.3	-0.3	-2.4	-2.4	3.1
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-1.5	12.1	0.9	-1.7	0.3	12.1	1.1	-0.3	-0.3	-1.0	11.2	0.3	0.5
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-0.6	11.9	1.1	-1.9	0.5	11.1	0.2	-0.1	-0.5	-0.01	10.9	0.7	0.2
	Industri lain	-3.7	12.7	0.4	-1.3	-0.2	14.8	3.1	-0.5	0.3	-3.4	11.8	-0.5	1.3
221	Pembuatan produk getah	0.3	1.4	1.2	0.2	0.9	3.7	-1.3	1.3	-1.0	-0.03	0.7	0.6	0.2
22111	Pembuatan tayar getah untuk kenderaan	0.6	-4.9	-1.7	-4.4	-1.3	8.9	-12.5	-1.3	2.2	-0.3	-0.5	-2.6	-1.8
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	5.0	7.3	-4.9	-1.7	-3.8	-5.9	5.2	2.3	2.3	0.3	5.3	-0.2	2.1
22191	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	1.1	2.9	1.1	-1.4	-0.3	-0.2	-3.3	4.0	-2.1	-0.7	3.8	-0.6	-0.3
&														
22193	Pengilangan semula getah dan prosesan susu getah													
22192	Pembuatan sarung tangan getah	0.2	1.5	0.01	1.0	1.2	5.4	-0.2	0.8	-0.7	0.1	0.04	1.1	0.4
22199	Pembuatan produk getah lain yang t.t.t.l.	-0.6	1.8	5.2	0.9	2.0	2.1	-0.4	1.3	-1.9	0.1	0.3	1.2	0.4
222	Pembuatan produk plastik	0.5	2.4	0.8	-0.2	0.8	-0.2	-2.1	0.8	0.1	-0.4	1.0	1.1	0.3
22201	Pembuatan produk plastik separa siap													
&		-3.3	2.3	3.9	0.02	-1.2	1.3	-3.3	0.4	-3.6	-0.05	0.7	0.7	0.9
22202	Pembuatan produk plastik siap													
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1.1	4.5	0.9	-0.6	0.8	0.5	-1.1	1.5	-0.1	-0.3	3.3	0.7	0.5
22204	Pembuatan barangan plastik jurubina	-0.7	-6.1	-0.6	0.2	3.7	-3.9	0.2	4.9	-5.0	-0.4	-8.7	10.0	-6.6
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	0.9	5.1	1.8	-0.03	3.0	-0.9	-1.6	1.3	0.03	-0.5	0.9	2.2	1.9
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2.5	0.9	-1.2	-0.03	1.5	-1.4	-2.4	0.01	3.1	-0.7	-0.1	1.0	0.01
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-2.4	-2.6	-0.02	0.6	1.6	-2.0	-1.6	1.0	-1.5	-1.9	-2.2	-0.4	-0.02

2020												2021					Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
-0.4	-0.5	1.2	-2.6	0.9	-0.3	0.9	-1.2	-1.5	-0.4	3.9	-2.5	0.9	0.1	1.7	-0.2	1.5	Manufacture of products of wood, cork, straw and plaiting materials
-1.2	-0.8	1.9	-2.9	0.4	-1.1	-0.7	-1.4	-1.5	-0.8	4.7	-3.1	1.6	0.7	3.1	-1.5	0.8	Manufacture of veneer sheets and plywood
-0.5	-0.7	0.2	-3.6	3.2	-0.02	0.3	0.2	0.2	-0.6	0.03	-6.2	-0.3	-0.8	-1.2	1.4	3.8	Manufacture of particle board and fibreboard
2.0	-0.3	0.3	0.3	-1.5	0.2	5.2	-0.9	-1.1	1.2	1.9	-0.2	-0.4	-0.1	0.7	0.8	-5.2	Manufacture of builders' carpentry
0.3	0.2	0.6	-4.2	3.3	1.9	2.5	-1.7	-2.7	-0.9	5.9	-0.8	0.5	-1.3	-0.04	2.4	9.1	Other industry
-0.04	-0.1	1.0	1.5	-0.1	0.6	1.4	0.6	-0.1	-0.7	-0.3	-1.0	-0.6	0.01	1.7	1.5	1.7	Manufacture of paper and paper products
0.9	-0.6	1.2	1.0	0.1	0.9	0.5	0.4	0.4	-1.1	-0.4	-1.5	-0.04	-0.9	1.9	7.2	0.7	Manufacture of pulp, paper and paperboard
0.9	0.05	1.5	1.5	0.01	0.7	0.1	0.5	0.3	-0.7	0.01	0.1	-3.4	1.3	2.2	1.6	0.11	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-4.0	1.0	4.5	0.8	0.8	-0.5	4.6	-0.8	-0.8	-2.1	-0.3	-0.1	-0.4	-0.5	-0.4	-0.8	-3.5	Manufacture of envelopes and letter-card
-0.7	0.3	-0.004	1.2	0.1	0.2	1.8	-0.4	-0.5	-0.3	-0.6	-0.2	-0.5	-0.4	1.1	-0.3	8.6	Manufacture of household and personal hygiene paper
-1.2	-1.0	-0.4	2.5	-0.2	0.8	2.3	4.7	0.2	-0.8	-0.2	-4.4	6.3	-0.6	1.0	-0.9	0.03	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
-1.2	-0.04	0.9	1.5	-1.1	0.3	4.8	-1.8	-1.6	0.4	-0.8	-2.2	0.7	-2.2	2.4	0.2	0.9	Other industry
1.3	-0.2	-0.4	1.1	1.2	-0.4	0.3	0.1	0.5	-3.0	0.3	-1.2	-0.5	0.1	-0.6	4.1	3.1	Printing, service activities related to printing and reproduction of recorded media
1.4	-0.2	-0.6	1.4	1.6	-0.4	0.5	0.03	0.6	-3.1	0.3	-1.1	-0.5	0.04	-0.6	4.2	3.7	Printing
0.8	0.03	0.2	0.1	-0.4	-0.2	-0.3	0.2	0.3	-2.5	-0.1	-1.5	-0.4	0.5	-0.6	3.5	0.7	Service activities related to printing
																	Reproduction of recorded media
2.6	-0.2	0.2	0.7	-0.1	1.3	1.0	0.02	2.5	-2.6	0.04	0.3	1.9	0.02	0.1	-0.5	-0.5	Manufacture of refined petroleum products
2.5	0.1	0.1	-0.3	1.1	0.6	-2.2	-0.1	0.1	-2.3	-0.4	-0.4	0.9	-0.03	-0.3	-0.5	-2.6	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-0.2	1.4	1.1	-0.2	2.9	0.2	8.4	-0.5	-0.5	0.0	-1.3	0.5	1.2	0.1	0.7	-0.9	-24.0	Manufacture of liquefied or compressed inorganic industrial or medical gases
2.0	-0.3	0.1	0.03	1.3	1.0	1.2	-0.3	-0.3	-0.6	-0.1	-1.4	1.5	-0.1	-0.5	0.6	8.2	Manufacture of basic organic chemicals
2.1	0.5	-0.1	0.1	0.7	1.5	3.0	-0.3	0.6	-8.6	-0.2	-0.1	1.7	0.1	-0.7	-1.1	-11.1	Manufacture of inorganic compounds
4.8	-0.2	-0.2	-1.2	0.5	0.02	-16.5	0.4	0.4	-0.1	-0.8	0.1	-0.6	-0.3	-0.6	-1.5	0.3	Manufacture of associated nitrogen products
1.5	0.8	-0.1	0.9	0.4	-1.1	2.8	1.1	0.4	-2.9	0.5	-0.7	-0.5	1.0	1.1	-0.2	10.3	Manufacture of plastics in primary forms
0.8	0.5	0.1	-0.6	0.5	-0.9	3.6	-0.2	5.5	-4.3	0.9	0.3	-1.1	-0.3	0.3	2.8	1.3	Other industry
0.8	0.1	0.3	-0.8	-0.5	0.4	20.7	-2.7	-2.7	-0.3	-1.2	-0.1	-0.2	-0.6	0.1	0.6	4.1	Manufacture of pesticides and other agrochemical products
-0.6	0.01	-1.2	-0.1	0.5	-0.2	3.5	-3.1	19.0	-16.3	-0.3	-0.1	0.1	-0.8	-1.9	0.3	-2.2	Manufacture of paints, varnishes and similar coatings ink and
0.0	0.2	0.2	-1.4	-0.1	-0.4	0.0	0.1	23.0	-1.4	0.3	1.9	0.2	-0.3	0.1	-2.0	2.5	Manufacture of printing ink
2.1	1.4	0.5	-0.9	0.7	-1.1	0.8	0.4	0.4	-1.4	2.5	-0.2	-1.9	-0.3	0.5	-0.2	0.4	Manufacture of soap and detergents, cleaning and polishing preparations
																	Manufacture of perfumes and toilet preparations
																	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
0.1	-0.4	0.3	-0.2	0.6	-1.8	5.2	2.0	0.7	-0.2	0.2	0.9	-1.4	0.2	1.7	11.7	4.2	Manufacture of writing and drawing ink
																	Manufacture of other chemical products n.e.c.
1.2	0.0	-2.2	0.0	3.6	0.0	-1.0	-1.0	-1.0	-0.3	-0.3	1.3	-0.3	0.0	-0.6	0.0	-8.0	Other industry
0.001	0.7	0.2	-0.9	-0.5	-0.3	-0.1	0.6	-0.2	12.8	-0.8	0.2	0.8	0.9	-0.7	-0.6	-5.1	Manufacture of pharmaceuticals, medicinal chemical and botanical products
-0.2	1.0	0.3	-1.2	-0.6	-0.1	-0.2	1.0	-0.3	12.0	-0.7	-0.1	0.7	0.8	-1.2	0.3	-3.0	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
0.4	0.1	-0.1	-0.3	-0.2	-0.8	0.2	-0.2	-0.2	14.8	-0.9	0.9	0.9	1.4	0.8	-2.6	-10.2	Other industry
0.5	0.1	0.7	0.2	0.2	-0.1	0.8	-0.5	0.7	4.2	-0.3	-0.2	-0.7	-0.4	-0.2	-0.3	-1.8	Manufacture of rubber products
-1.4	-0.2	-0.2	0.1	-1.5	-3.0	1.6	-1.4	-1.4	8.9	0.3	-0.2	-12.0	-0.2	-0.4	-0.7	1.2	Manufacture of rubber tyres for vehicles
-3.7	-0.2	-1.0	0.7	-1.2	-1.2	-0.1	-1.9	-1.8	3.3	-3.6	-5.4	0.5	3.0	1.6	1.9	7.2	Manufacture of interchangeable tyre treads and retreading rubber tyres
0.7	0.3	0.05	-0.3	0.1	-1.2	0.3	-1.2	0.6	1.6	-1.4	-0.4	0.9	-0.7	-3.4	-1.2	-1.7	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
0.5	0.04	-0.6	0.3	0.1	0.6	0.1	-0.2	1.3	4.7	0.1	0.5	-0.2	-0.3	0.3	-0.6	-4.9	Rubber remilling and latex processing
1.0	0.2	4.1	0.3	0.8	-0.2	2.3	-0.5	0.1	3.6	-0.4	-1.1	-0.1	-0.6	0.4	0.6	3.4	Manufacture of rubber gloves
0.5	0.8	-0.5	0.02	-0.3	0.1	1.3	-0.5	-0.01	1.3	-0.3	-1.2	-0.8	-0.4	-0.9	0.3	0.8	Manufacture of other rubber products n.e.c.
0.3	4.2	-0.5	-0.2	-0.04	0.3	0.1	-0.9	-0.4	3.7	-0.5	-1.9	-2.1	-0.9	-0.3	0.2	-1.96	Manufacture of plastics products
																	Manufacture of semi-manufactures of plastic products
0.7	0.05	0.1	0.4	-0.9	-0.01	2.1	-0.9	-0.4	1.2	-0.1	-0.5	-1.1	-0.2	0.2	0.9	2.2	Manufacture of finished plastic products
-1.4	0.3	0.5	-0.1	0.7	-0.4	2.9	0.6	0.2	-0.3	-1.0	-2.7	0.3	0.3	-0.5	1.2	-1.2	Manufacture of plastic articles for the packing of goods
2.3	-0.6	0.2	-0.4	0.01	0.4	1.9	0.2	0.8	0.3	0.02	-1.3	-2.0	0.5	-0.04	0.6	0.1	Manufacture of builders' plastics ware
0.1	-0.2	-1.1	0.0	-0.1	0.1	1.2	-0.02	0.3	0.1	-0.3	-1.2	0.5	-0.5	-2.4	-0.2	1.6	Manufacture of plastic tableware, kitchenware and toilet articles
																	Manufacture of diverse plastic products n.e.c.
-0.4	0.02	0.3	0.1	0.2	0.3	1.0	0.3	0.3	0.6	-1.2	-1.4	-0.5	0.1	-1.3	3.0	-0.5	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021				Jan.	Feb.	Mac	Apr.	Mei	Jun
		Q1	Q2	Q3	Q4	Q1	Q2	Q3							
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-0.3	-1.3	-1.1	-0.6	0.6	-1.2	1.6	2.0	-1.3	-0.9	-2.3	0.0	1.0	
23911 & 23921	Pembuatan mortar refraktori dan konkrit	6.0	-2.9	-3.4	-1.7	6.1	-0.8	-2.7	6.8	0.3	-1.0	-3.4	0.9	-0.4	
23930	Pembuatan seramik bukan refraktori	1.8	5.1	2.5	-0.4	-4.9	1.9	-4.7	0.6	0.7	0.5	4.6	-0.3	0.8	
23941	Pembuatan produk porselin dan seramik lain	0.1	0.7	-5.4	0.4	2.4	-0.02	-0.3	0.2	-0.7	0.6	-0.6	0.7	0.6	
23951	Pembuatan simen hidrolik	-2.1	-5.8	-0.6	-3.2	-4.7	1.2	6.9	0.6	-0.3	-2.4	-8.2	2.7	-0.1	
23952 & 23953	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering														
23959	Pembuatan konkrit pratuangan, simen atau artikel batu buatan yang digunakan dalam pembinaan;	-3.7	1.4	-0.8	1.3	1.9	-3.6	2.2	0.3	-2.9	-1.2	-0.1	-0.7	2.3	
	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan														
23990	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.	4.9	-5.9	0.4	-1.6	2.0	-1.8	2.7	5.7	-1.1	0.3	-3.6	-3.0	0.7	
	Pembuatan produk mineral bukan logam lain t.t.t.l.	0.9	-0.01	-0.03	-0.5	-0.3	-0.3	0.4	3.2	-2.3	0.03	-0.7	-1.1	1.8	
	Industri lain														
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	0.9	-3.0	-0.2	8.0	-1.3	-1.7	-2.0	1.6	1.1	-1.8	-3.8	1.3	-0.4	
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1.2	-6.4	0.02	-0.2	1.6	-4.2	0.1	0.4	1.0	-0.2	-5.1	-0.8	-0.6	
243	Pengacuan logam	-4.1	-5.7	1.8	-0.3	7.4	-7.0	-0.03	1.1	-4.5	-0.7	-3.7	-1.2	-0.8	
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	-0.8	6.4	2.9	0.6	1.6	-6.1	4.1	-0.3	1.2	-1.6	-3.5	4.4	5.7	
25113 & 25119	Pembuatan pintu, tingkap dan bingkai, penutup tingkap dan pintu pagar daripada logam	-2.0	6.8	2.4	0.2	2.4	-7.2	5.3	-1.2	1.4	-2.1	-6.2	4.9	8.5	
25120	Pembuatan produk struktur logam lain														
	Pembuatan tangki, takungan dan kontena daripada logam	1.0	2.9	7.5	2.7	-0.3	-2.3	3.0	-1.4	3.2	-0.8	0.8	2.3	-0.2	
	Industri lain	3.3	9.1	-0.1	0.3	0.3	-5.7	-0.4	5.9	-2.1	-0.4	4.0	4.9	0.02	
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	0.5	-0.6	0.2	0.2	2.5	-2.4	0.4	1.0	0.2	-0.7	0.1	-0.5	-0.2	
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	-0.7	4.1	1.4	1.1	1.1	-0.7	0.5	0.7	0.1	-1.5	4.8	-0.6	-0.1	
25920	Rawatan dan penyalutan logam; menggunakan mesin	-0.4	0.3	-1.1	5.0	10.3	-6.6	-2.4	-0.5	0.5	-0.3	-2.0	2.8	-0.4	
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	0.03	-2.4	0.4	1.5	-1.1	-1.1	-1.7	0.1	-0.1	0.05	-2.0	-0.3	-0.1	
25992 & 25993	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam	2.3	-0.01	-0.6	-1.0	-1.6	-2.1	3.1	1.4	1.6	-0.7	-2.3	2.1	0.2	
25994	Pembuatan bolt, skru, nat dan produk uliran seumpamanya														
25999	Pembuatan barangan rumah daripada logam	-2.6	-1.4	-0.6	-2.1	2.2	-11.0	-2.5	4.8	-7.0	-0.1	-0.6	-0.6	-0.2	
	Pembuatan produk lain yang direka daripada logam t.t.t.l.	1.2	-1.2	-0.5	-1.2	5.3	-1.3	0.5	1.3	0.8	-0.9	-1.4	0.2	0.1	
	Industri lain	0.3	-8.6	2.0	-1.5	1.4	-1.9	1.1	1.1	-1.0	0.3	2.6	-9.4	-1.7	
261	Pembuatan komponen dan papan elektronik	-2.2	-5.4	0.01	2.3	1.9	2.2	1.0	0.3	-0.8	-1.7	-5.2	-0.2	0.0	
26101 & 26102	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya	-3.3	-5.7	-0.7	1.1	1.8	2.4	1.8	0.01	-1.7	-1.6	-4.6	-0.6	-0.5	
26103 & 26104	Pembuatan litar elektronik bersepadu dengan pemasangan mikro														
26105	Pembuatan kapasitor dan perintang elektrik	-0.3	-4.4	1.5	4.0	2.7	1.9	0.1	1.9	-0.1	-2.1	-5.8	0.7	0.8	
26109	Pembuatan papan litar bercetak														
	Pembuatan komponen paparan	-2.7	-7.3	-2.3	2.5	-0.7	2.2	-1.5	-5.1	2.6	-0.1	-6.1	-1.1	-0.2	
	Pembuatan komponen lain untuk aplikasi elektronik														
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	10.2	-9.2	0.7	1.5	1.5	1.1	3.3	4.5	0.4	5.1	-8.6	-0.4	-0.3	
263/ 26300	Pembuatan peralatan komunikasi	4.8	-2.0	3.0	1.6	-1.8	4.1	-0.1	3.4	1.1	0.3	-5.4	0.6	2.9	
264/ 26400	Pembuatan peralatan elektronik pengguna	0.7	-0.1	1.8	-1.9	-1.1	-0.3	2.2	0.2	0.01	0.5	-4.0	0.2	3.9	
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	2.7	-7.6	-1.0	-0.4	4.0	-0.3	0.6	2.1	0.7	-0.2	-6.6	-0.5	-0.4	
26511 & 26512	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	3.9	-7.1	-1.0	-0.2	4.5	0.4	1.5	3.1	0.6	0.1	-6.6	-0.04	-0.5	
26520	Pembuatan kelengkapan kawalan proses perindustrian														
	Pembuatan jam tangan dan jam dan bahagiannya	-1.1	-9.0	-0.9	-0.9	2.3	-2.9	-2.2	-0.9	0.9	-1.1	-6.8	-2.2	-0.1	
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	4.8	-8.5	0.1	0.7	-0.2	1.6	2.3	-0.3	4.8	0.3	-9.2	0.4	0.4	

2020						2021											Group Description/Period				
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun.	Jul.	Ogo.	Sep.	Okt.	Nov.					
-1.0	-0.1	-0.1	-0.6	0.8	-0.8	2.1	-2.0	0.5	0.8	0.02	-2.0	0.7	0.1	0.8	-0.6	0.8	Manufacture of non-metallic mineral products				
																	Manufacture of refractory mortars and concretes				
-3.5	-0.1	0.2	-2.7	2.1	-1.0	3.3	-2.7	5.5	0.0	0.0	-0.8	-2.4	-0.5	0.1	-2.5	3.2	Manufacture of non-refractory ceramic				
0.7	0.4	1.3	-0.6	0.2	0.0	1.2	-5.6	-0.5	0.1	3.5	-1.6	-0.8	-0.4	-3.5	1.8	-0.5	Manufacture of other porcelain and ceramic products				
-5.0	0.04	-0.4	-0.1	0.0	0.5	2.4	-0.1	0.1	1.0	-0.7	-0.3	-0.2	-0.3	0.1	0.03	3.7	Manufacture of hydraulic cement				
-0.2	0.1	-0.5	-3.7	0.8	-0.3	2.2	-6.3	-0.5	2.3	0.3	-1.4	1.7	2.7	2.3	-2.9	1.7	Manufacture of ready-mix and dry-mix concrete and mortars				
																	Manufacture of precast concrete, cement or artificial stone articles for use in construction				
-0.5	-0.6	0.3	1.6	1.2	-1.5	1.1	0.3	0.5	0.0	-0.5	-3.1	1.9	-0.7	1.0	-0.2	2.6	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone				
																	Manufacture of other articles of concrete, cement and plaster n.e.c.				
0.8	0.1	-0.4	0.04	-0.2	-1.4	2.2	0.2	-0.4	0.8	0.7	-3.3	1.0	-0.4	2.0	2.2	0.2	Manufacture of other non-metallic mineral products n.e.c.				
0.4	0.8	-1.2	-0.7	0.2	0.0	3.7	-2.0	-1.8	2.2	-0.8	-1.6	-0.03	-0.2	0.6	0.1	-10.8	Other industry				
-1.4	0.8	0.5	2.0	-0.7	6.6	1.8	-2.7	-0.3	-2.1	-0.1	0.5	-1.8	-0.2	0.1	2.3	-0.2	Manufacture of basic iron and steel				
-0.2	0.2	0.1	-0.1	0.1	-0.2	0.3	1.5	-0.2	-0.8	-0.6	-2.8	-0.7	-0.1	0.9	0.5	0.2	Manufacture of basic precious and other non-ferrous metals				
1.2	0.5	0.0	-0.6	-0.1	0.4	0.6	3.1	3.5	-5.0	-1.6	-0.5	-2.8	2.5	0.4	-0.02	1.7	Casting of metals				
2.5	-0.4	0.8	-0.7	0.8	0.5	0.5	-0.1	1.1	-1.7	-0.1	-4.5	1.2	0.1	2.6	0.3	-1.0	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition				
1.6	-0.3	1.1	-0.04	0.3	-0.1	0.6	-0.01	1.7	-1.7	0.5	-6.0	1.8	0.5	3.0	0.1	-2.4	Manufacture of metal doors, windows and their frames, shutters and gates				
7.6	-0.6	0.5	-0.2	1.3	1.5	0.04	-0.1	-0.2	-0.2	-0.6	-1.6	0.8	-1.2	3.3	0.6	0.8	Manufacture of other structural metal products				
0.6	-0.3	-0.4	-4.4	2.8	2.0	0.8	-0.6	0.1	-3.2	-2.4	-0.2	-0.8	0.1	0.2	1.1	3.6	Manufacture of tanks, reservoirs and containers of metal				
1.0	-0.3	-0.6	-0.1	-0.04	0.3	0.7	0.8	1.0	-0.7	-0.5	-1.2	-0.8	-0.03	1.2	0.7	0.7	Manufacture of other fabricated metal products; metal working service activities				
1.5	-0.1	-0.1	0.3	-0.1	1.0	2.0	-0.2	-0.7	-0.4	0.1	-0.4	-1.3	0.0	1.9	0.7	0.4	Forging, pressing, stamping and roll-forming of metal; powder metallurgy				
3.0	-2.6	-1.4	3.6	1.4	-0.04	0.6	4.9	4.5	-3.7	-0.7	-2.4	0.4	-2.2	-0.7	1.9	1.5	Treatment and coating of metals; machining				
-0.2	1.3	-0.7	0.2	0.7	0.6	1.4	-1.2	-1.3	0.6	-1.0	-0.7	-1.1	-0.7	0.1	1.7	1.1	Manufacture of tins and cans for food products, collapsible tubes and boxes				
-0.04	-0.1	-0.4	-0.5	-0.8	0.4	0.2	-1.2	-0.6	-0.7	-0.8	-0.6	-1.0	0.6	3.5	-0.6	1.3	Manufacture of metal cable, plaited bands and similar articles				
-0.7	-0.1	0.2	-1.6	-0.6	0.1	0.2	1.0	1.0	-1.2	0.6	-10.4	-3.9	0.5	0.9	-0.2	5.0	Manufacture of bolts, screws, nuts and similar threaded products				
0.7	-0.1	-1.2	-1.4	0.2	-0.01	0.1	2.4	2.8	0.3	-0.7	-0.9	-0.7	0.5	0.7	0.4	-0.7	Manufacture of metal household articles				
1.9	0.1	0.0	-0.8	-0.8	0.1	-0.4	-0.1	1.9	-0.5	-0.5	-0.9	0.7	0.5	-0.1	1.6	0.8	Manufacture of any other fabricated metal products n.e.c.				
0.3	-0.1	-0.2	1.4	0.7	0.1	0.1	1.2	0.6	1.1	0.4	0.6	0.2	0.8	0.0	2.0	0.8	Other industry				
-0.5	-0.3	0.1	0.5	1.1	-0.5	0.1	1.3	0.4	1.8	0.5	0.1	0.3	1.4	0.1	0.3	0.5	Manufacture of electronic components and boards				
																	Manufacture of diodes, transistors and similar semiconductor devices				
																	Manufacture of electronic integrated circuits micro assemblies				
																	Manufacture of electrical capacitors and resistors				
1.7	0.3	-0.5	3.0	0.1	0.9	0.2	1.3	1.2	0.2	0.2	1.5	0.2	0.2	-0.2	4.7	1.2	Manufacture of printed circuit boards				
-1.0	-0.5	-0.9	0.5	1.2	0.9	-0.2	0.1	-0.6	0.8	1.1	0.3	-0.5	-0.7	-0.3	0.3	1.6	Manufacture of display components				
0.1	0.7	-0.1	0.4	0.9	0.2	1.3	0.6	-0.4	-0.1	1.0	0.2	1.4	0.7	1.1	0.1	2.8	Manufacture of other components for electronic applications				
1.5	0.1	1.4	0.9	0.2	0.5	-1.0	-0.2	-0.7	1.5	1.1	1.5	-0.4	0.5	-0.2	0.5	0.9	Manufacture of computers and peripheral equipment				
1.7	-0.1	0.2	-1.8	0.0	-0.1	-0.8	-0.1	-0.1	-0.8	0.9	-0.5	-5.0	4.6	2.9	1.8	-2.0	Manufacture of communication equipment				
-0.3	-1.2	0.5	-0.4	-0.02	-0.02	3.5	0.1	0.3	0.2	0.2	-0.7	0.0	0.6	0.03	0.3	1.9	Manufacture of consumer electronics				
-0.2	-1.3	0.5	0.2	-0.1	-0.3	4.8	-0.3	-0.02	0.4	0.4	-0.3	0.5	0.7	0.2	0.6	-0.2	Manufacture of measuring, testing, navigating and control equipment; watches and clocks				
-0.8	-0.6	0.5	-2.1	0.2	1.0	-0.8	1.6	1.6	-0.6	-0.5	-1.9	-1.9	0.2	-0.5	-0.7	9.5	Manufacture of measuring, testing, navigating and control equipment				
0.3	-0.03	-0.1	0.3	-0.2	0.6	-0.4	0.1	0.1	-0.4	0.6	1.4	1.5	1.2	-0.5	-0.4	-2.7	Manufacture of industrial process control equipment				
																	Manufacture of watches and clocks and parts				
																	Manufacture of irradiation, electromedical and electrotherapeutic equipment				

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Jan.	Feb.	Mac	Apr.	Mei	Jun
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	7.0	-6.1	-1.3	-1.7	-1.8	-0.01	-1.4	-1.5	8.6	0.1	-1.8	-1.6	-2.8
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	2.1	0.1	2.4	0.8	2.5	-2.0	4.2	1.9	0.6	-0.4	-0.8	0.4	0.6
	27101 Pembuatan motor elektrik, penjana dan transformer	3.9	-1.6	2.5	1.4	5.7	-3.3	2.7	3.6	0.8	-0.5	-1.8	0.1	0.1
	27102 Pembuatan perkakasan pengagihan dan pengawalan	0.7	1.6	2.4	0.4	-0.1	-0.9	5.5	0.5	0.4	-0.3	0.02	0.6	0.9
272/ 27200	Pembuatan bateri dan akumulator	0.3	6.4	2.6	-0.04	2.0	-3.8	-0.2	0.7	0.2	-0.6	1.1	1.5	3.6
273	Pembuatan pendawaian dan peranti pendawaian	-0.1	-7.8	3.8	6.5	-2.8	2.1	3.6	0.4	0.1	-0.7	-6.4	-1.7	0.2
	27310 Pembuatan kabel gentian optikal	0.0	-9.2	-0.7	-1.8	-0.3	-1.4	8.2	0.8	0.1	-0.9	-10.1	0.1	1.0
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	-0.4	-8.2	4.3	7.4	-3.3	0.9	3.7	0.3	0.1	-0.7	-6.7	-1.9	0.3
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	3.6	-1.9	-0.5	-0.6	2.0	19.9	0.5	2.3	0.9	0.3	-0.3	-0.3	-1.3
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-3.3	-9.3	-0.1	0.9	-3.0	-2.1	-5.0	-0.5	-2.3	-0.5	-7.7	-0.9	-0.9
275/ 27500	Pembuatan perkakasan domestik	0.2	-1.3	-0.4	-2.4	4.3	-2.9	-1.7	2.1	-0.3	-1.6	-1.6	-1.3	1.6
279/ 27900	Pembuatan kelengkapan elektrik lain	1.0	2.6	12.1	1.9	-1.0	-1.8	0.6	-0.7	1.3	0.4	-0.9	0.3	3.2
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-1.6	1.2	0.6	0.7	0.6	1.2	-2.2	0.0	1.3	-2.9	-0.5	0.2	1.5
	28120 Pembuatan alat-alat kuasa bendalir &													
	28130 Pembuatan pam, pemampat, kepala paip dan injap lain	0.3	-8.2	-2.1	3.1	0.5	-2.1	2.3	0.3	1.0	-1.0	-1.1	-5.9	-1.3
	28180 Pembuatan alatan tangan yang menggunakan kuasa & dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	-4.2	1.7	2.6	1.1	-0.2	0.2	-2.0	-3.7	2.1	-2.6	0.8	-0.1	1.0
	28220 Pembuatan jentera pembentukan logam dan alatan mesin													
	28192 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	3.7	-8.8	0.8	1.1	-2.8	-1.8	-4.2	9.1	3.9	-8.6	-10.5	-0.1	2.0
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-3.3	0.4	-3.8	-1.8	-0.2	-0.4	-4.6	-3.8	4.1	-3.4	-1.4	2.4	-0.6
		-1.2	5.4	1.0	0.7	1.9	3.3	-2.0	0.9	-0.5	-1.6	1.6	1.0	2.6
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-0.8	-9.8	-0.6	1.8	0.6	-1.3	1.4	0.5	-0.9	-0.4	-8.6	-0.8	-0.5
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	5.0	-18.5	-1.3	0.9	-1.1	0.8	0.1	5.8	0.9	-1.7	-14.9	-7.8	3.9
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	1.4	-6.9	0.4	0.7	0.3	-0.5	-0.02	1.4	0.3	-0.4	-5.9	-2.5	1.5
301 (30110 & 30120)	Pembinaan kapal dan bot	2.5	-6.3	4.0	-1.1	3.0	-7.3	5.1	5.0	-2.6	0.1	-7.9	1.9	-0.2
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.	1.5	-14.6	1.7	-0.5	5.1	-4.7	0.9	2.7	0.2	-1.3	-12.6	-0.5	-1.8
	30910 Pembuatan motosikal	5.6	-12.7	-0.04	0.1	5.7	-4.8	1.8	4.4	0.9	0.3	-11.7	-0.7	-0.5
	30920 Pembuatan basikal dan invalid carriages	-1.4	-28.5	5.0	4.1	11.4	-12.7	-4.0	1.2	-2.5	-0.1	-27.6	-0.9	-0.4
	Industri lain	-0.9	-12.2	2.3	-2.2	3.1	-2.5	1.5	1.7	0.4	-2.9	-9.1	-0.2	-3.2
310	Pembuatan perabot	0.04	-2.9	0.3	-0.4	2.4	-4.6	7.5	-0.1	0.2	0.01	-4.9	1.8	0.3
	31001 Pembuatan perabot kayu dan rotan	-0.03	-2.1	-0.2	-1.1	1.5	-5.5	9.9	-0.3	0.2	0.1	-3.0	0.5	0.4
	Industri lain	0.3	-5.3	1.8	2.1	5.0	-2.1	0.5	0.2	0.2	-0.2	-10.9	6.4	-0.2
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-4.4	-3.7	-0.7	-1.4	-3.5	-3.1	0.3	1.9	-6.2	0.0	-6.3	5.6	-2.7
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	4.1	1.7	-0.1	0.2	5.3	-0.8	0.6	3.6	1.4	-0.9	-0.7	0.8	1.6
	32901 Pembuatan alat tulis	8.5	-0.8	-0.1	-1.8	-1.4	-1.5	0.7	9.5	1.9	-2.8	-2.4	-0.4	2.0
	Industri lain	2.6	2.6	-0.1	0.9	7.6	-0.6	0.6	1.6	1.2	-0.3	-0.1	1.2	1.5
323/ 32300	Pembuatan barangan sukan	-3.2	3.7	-0.1	-1.5	12.4	-3.3	-1.5	-1.5	-1.6	-0.1	3.2	0.6	-0.1
324/ 32400	Pembuatan permainan dan mainan	3.2	-4.4	0.9	-6.0	1.2	-3.8	2.2	3.0	-0.01	0.2	0.8	-5.3	0.1
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-0.7	-3.3	1.6	-0.2	2.8	-2.7	2.5	3.5	-1.1	-2.9	-1.0	-1.7	-0.6
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	1.6	-6.5	-3.8	3.0	-2.1	-4.5	-0.6	4.9	1.2	-4.4	-5.8	-0.1	-0.7
	Industri lain	-1.2	-2.6	2.8	-0.9	3.9	-2.3	3.1	3.1	-1.6	-2.6	0.1	-2.1	-0.6
Jumlah Pembuatan		0.6	-3.1	0.3	0.2	1.6	-0.8	0.7	1.7	-0.1	-0.9	-3.9	0.3	0.6

2020												2021					Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun.	Jul.	Ogo.	Sep.	Okt.	Nov.	
-1.3	-0.4	0.4	-0.4	-0.7	-0.6	-0.1	-1.0	-0.7	0.2	0.4	-0.6	-1.9	1.3	-0.8	-0.2	-5.8	Manufacture of optical instruments, photographic equipment, magnetic and optical media
0.7	1.1	0.6	0.5	0.2	0.1	2.2	0.1	0.2	-1.7	-0.2	0.0	-0.2	2.5	2.0	0.3	-0.2	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
0.9	-0.1	1.6	0.8	0.4	0.2	5.2	0.2	0.2	-2.8	-0.8	0.3	0.5	0.5	1.7	-0.2	-0.7	Manufacture of electric motors, generators and transformers
0.6	2.0	-0.2	0.3	0.1	0.1	-0.2	-0.1	0.2	-0.8	0.2	-0.2	-0.8	4.1	2.2	0.8	0.2	Manufacture of electricity distribution and control apparatus
0.5	0.6	1.4	-0.2	1.3	-1.1	2.2	-0.7	0.5	-0.6	1.1	-4.3	-1.3	5.7	-4.3	-0.2	-5.7	Manufacture of batteries and accumulators
0.2	2.6	0.9	5.8	1.2	-0.5	-1.0	-1.1	-0.8	-1.0	1.0	2.1	-0.5	2.2	1.9	1.7	1.6	Manufacture of wiring and wiring devices
0.0	-0.3	-0.4	-1.9	-1.0	1.1	-1.3	0.5	0.5	-1.8	0.8	-0.4	1.4	-0.4	7.1	-0.2	-8.9	Manufacture of fibre optic cables
0.2	3.0	1.1	6.6	1.4	-0.6	-1.1	-1.2	-1.0	-1.1	1.0	1.0	-0.6	2.4	1.9	1.9	2.2	Manufacture of other electronic and electric wires and cables
0.0	0.1	-0.6	0.0	0.0	-0.6	0.7	0.6	0.6	0.6	1.0	18.0	-0.3	0.8	0.0	0.3	0.8	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
-0.5	0.6	-0.2	0.6	-1.2	1.5	-0.5	-1.3	-1.3	-1.4	-0.6	-0.1	-2.0	-1.9	-1.2	-0.9	-8.6	Manufacture of electric lighting equipment
-0.4	0.4	-0.5	-2.2	0.03	-0.2	0.4	-0.4	4.3	-1.2	-1.0	-0.8	-1.4	0.1	-0.4	1.9	1.07	Manufacture of domestic appliances
7.3	0.9	3.5	1.5	1.1	-0.7	-0.5	-0.3	-0.3	-0.2	-0.1	-1.4	0.2	-0.5	1.0	-0.6	3.5	Manufacture of other electrical equipment
0.1	-0.1	0.6	-0.9	1.5	0.2	0.5	1.4	-1.4	0.5	-0.4	1.2	-2.1	0.01	-0.1	-0.04	1.8	Manufacture of general-purpose and special-purpose machinery
-2.0	-0.5	0.4	-0.9	3.9	0.1	-0.1	0.3	0.3	0.9	-0.6	-2.4	1.6	0.2	0.5	-1.3	25.3	Manufacture of fluid power equipment
1.5	0.02	1.0	-1.2	2.6	-0.2	-0.7	2.0	-1.4	1.3	-0.8	-0.3	-1.4	-0.3	-0.3	0.2	-3.1	Manufacture of other pumps, compressors, taps and valves
-2.2	0.2	2.9	-1.2	1.6	0.8	-3.2	0.7	-0.3	-0.3	-1.3	-0.2	-5.3	0.8	0.4	-2.3	2.2	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
-0.3	-0.3	-3.3	-1.3	-0.03	-0.5	0.2	-0.2	-0.2	1.6	0.2	-2.2	0.1	-1.1	-3.6	0.9	0.4	Manufacture of metal-forming machinery and machine tools
0.1	-0.1	0.9	-0.7	0.9	0.4	2.3	1.8	-2.1	-0.2	-0.2	3.6	-2.8	0.2	0.6	0.3	1.3	Manufacture of air-conditioning machines, including for motor vehicles
-0.2	-0.4	0.1	-0.7	2.4	0.1	0.1	0.9	-0.4	-0.1	-0.2	-1.0	-0.9	0.4	1.9	0.6	0.1	Manufacture of other special-purpose machinery
-2.7	1.2	0.2	0.0	0.2	0.8	0.5	-0.1	-1.5	2.0	0.5	-1.7	-0.3	0.1	0.3	0.4	-1.0	Other industry
0.7	-0.05	-0.3	-0.1	0.5	0.3	-0.2	0.6	-0.1	0.3	-0.4	-0.4	-0.5	-0.4	0.9	0.8	0.1	Manufacture of motor vehicles
3.4	-0.2	0.8	-1.9	0.7	0.1	1.4	0.3	1.3	-5.7	0.5	-2.3	-0.1	0.2	5.0	0.6	0.4	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
1.9	-0.4	0.2	-0.1	0.4	-0.8	4.8	0.2	0.1	-3.2	-0.6	-1.0	-0.2	-0.3	1.4	1.0	-0.1	Manufacture of parts and accessories for motor vehicles
-0.1	-0.5	0.6	0.5	0.7	-1.1	2.8	1.4	1.4	-3.8	-0.8	-0.3	-0.4	-0.02	2.2	2.1	-0.2	Building of ships and boats
1.3	-1.5	5.3	0.7	1.0	2.4	10.9	0.2	0.2	-9.3	-1.7	-2.1	-1.0	-2.3	-0.8	-0.2	0.04	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
3.6	-0.04	-1.2	-0.8	-0.04	-1.4	4.9	-0.8	-0.9	-1.1	-0.1	-1.3	0.1	0.03	1.3	0.3	0.02	Manufacture of motorcycles
0.0	0.0	0.3	-0.7	0.2	0.1	1.6	0.3	0.5	1.3	-0.3	-5.6	-2.0	0.3	9.4	-0.7	0.3	Manufacture of bicycles and invalid carriages
-0.3	-0.02	0.2	-0.4	0.1	-0.8	0.4	0.3	0.8	1.7	-0.2	-6.8	-2.7	0.3	12.6	-0.6	0.8	Other industry
1.1	0.1	0.5	-1.7	0.8	3.1	5.1	0.3	-0.4	0.1	-0.4	-1.8	0.1	0.1	0.4	-1.1	-1.1	Manufacture of furniture
-0.6	0.1	-0.2	-0.5	-0.6	-0.3	2.4	-1.2	-4.7	-0.5	-0.7	-1.9	1.3	-0.2	-0.8	0.7	2.1	Manufacture of wooden and cane furniture
-0.3	-0.5	0.8	-0.4	0.5	0.1	2.8	2.0	0.5	0.4	-0.1	-1.1	-0.03	-0.04	0.7	0.7	1.6	Other industry
-0.8	-0.7	1.5	-0.6	-0.8	-0.4	0.3	-1.9	0.3	-0.2	-0.4	-0.9	-0.3	-0.5	1.5	2.4	2.0	Manufacture of jewellery, bijouterie and related articles
-0.2	-0.4	0.5	-0.4	0.9	0.3	3.7	3.2	0.6	0.6	0.0	-1.2	0.1	0.1	0.5	0.1	1.4	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
-0.4	0.7	-0.3	-1.2	0.4	-0.7	11.7	0.3	0.3	-1.8	-0.1	-1.4	-0.1	-1.0	-0.4	0.9	3.3	Manufacture of stationery
-0.3	0.6	0.6	-2.9	-1.9	-1.4	1.8	-1.3	0.7	-1.6	-1.5	-0.7	0.02	0.3	1.8	0.4	-0.7	Manufacture of sports goods
1.1	0.02	0.5	-0.3	0.2	-0.1	3.7	0.7	-1.5	-0.1	-0.2	-2.4	0.9	0.6	0.9	1.5	0.8	Manufacture of games and toys
-3.9	-0.1	0.2	-0.2	1.7	1.5	2.3	-2.1	-2.2	0.0	0.3	-4.8	-0.4	-0.2	0.1	-0.6	2.9	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
2.2	0.1	0.5	-0.3	-0.2	-0.4	4.0	1.3	-1.4	-0.2	-0.3	-1.9	1.2	0.8	1.1	1.9	0.3	Repair and maintenance of transport equipment except motorcycles and bicycles
0.2	-0.1	0.2	-0.3	0.3	0.2	1.2	0.1	0.2	0.1	0.1	-0.9	-0.2	0.2	0.8	0.4	0.6	Other industry
Total Manufacturing																	

Jadual
Table

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2020				2021			2020	2021				
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.
101	Pemprosesan dan pengawetan daging	360	343	92	82	81	88	88	89	87	313	324	31	31	31	28
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	400	444	109	105	114	116	117	115	113	406	419	37	36	36	35
	10201 Pengetinan ikan, krustasea dan moluska															
	&															
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	318	361	88	86	92	95	95	94	90	329	339	29	29	29	28
	Industri lain	82	84	21	19	22	21	22	21	22	77	80	7	7	7	6
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	151	167	41	43	41	42	45	45	43	153	160	14	13	13	15
	10303 Pengetinan nanas															
	&															
	10304 Pembuatan jem, marmalad dan sajian jeli	17	18	4	4	5	5	5	5	3	16	14	1	1	1	1
	Industri lain	134	149	37	38	37	37	40	40	40	137	146	13	12	12	14
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	2,715	2,776	710	693	687	686	681	691	685	2,537	2,521	239	238	233	235
	10404 & Pembuatan minyak sayuran mentah dan bertapis	193	193	51	45	48	49	51	51	51	177	187	17	17	16	14
	10406 Pembuatan sebatian lemak masakan															
	10405 Pembuatan minyak kelapa	130	119	34	29	28	27	28	26	21	110	89	12	11	11	9
	Industri lain	2,391	2,464	625	619	611	609	603	613	613	2,251	2,245	210	210	205	212
105	Pembuatan produk tenusu	712	732	192	178	167	194	198	204	200	667	733	65	65	62	61
	10502 Pembuatan susu pekat, tepung dan sejat	617	630	166	152	143	169	173	178	176	575	642	56	56	54	53
	Industri lain	95	101	26	26	25	25	25	26	24	93	91	9	8	8	9
106	Pembuatan produk bijian, kanji dan produk berkanji	340	347	89	81	87	90	93	91	91	317	335	29	31	30	28
	10611 Pengilangan beras	156	173	45	43	42	42	44	43	44	159	161	15	15	15	15
	10613 Pengilangan tepung	161	151	38	32	39	42	42	41	41	137	150	12	13	13	11
	Industri lain	23	23	6	6	6	6	6	6	6	21	23	2	2	2	2
107	Pembuatan produk makanan lain	3,696	3,705	942	940	928	894	932	939	944	3,403	3,470	316	314	312	311
	10711 Pembuatan biskut dan cookies	298	302	73	75	77	77	76	75	81	276	291	25	24	24	25
	10712 Pembuatan roti, kek dan produk bakeri lain	989	1,001	259	258	248	236	228	233	235	924	857	87	87	86	89
	10713 Pembuatan produk snek	201	190	49	48	46	47	50	52	51	174	186	17	16	16	16
	10721 Pembuatan gula	118	84	26	21	18	18	19	18	19	78	69	9	9	8	7
	10731 Pembuatan produk koko	114	98	27	28	25	18	19	21	20	92	75	9	9	9	10
	10732 Pembuatan coklat dan produk coklat															
	&															
	10733 Pembuatan konfeksi gula	378	352	95	91	85	81	86	87	85	325	317	31	32	32	31
	10793 Pembuatan sos dan bahan perasa	358	347	89	87	88	82	87	85	91	317	330	28	29	32	28
	10799 Pembuatan produk makanan lain t.t.t.l.	310	324	78	80	84	81	92	95	93	295	346	26	26	26	26
	Industri lain	932	1,007	246	252	257	253	274	271	270	922	1,000	83	82	81	80
108/ 10800	Pembuatan makanan haiwan tersedia	932	1,011	263	244	244	260	257	256	260	912	944	94	88	81	82
110	Pembuatan minuman ringan	614	537	157	121	123	135	131	121	120	489	460	54	53	49	43
	11041 Pembuatan minuman ringan	393	354	100	80	82	92	86	81	81	321	308	34	34	33	28
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotalkan	151	128	38	29	30	31	33	32	30	117	117	14	14	11	10
	Industri lain	70	55	18	13	11	12	12	9	8	50	35	6	6	6	5
120/ 12000	Pembuatan produk tembakau	87	63	21	12	14	17	17	14	14	57	55	7	7	7	4
131	Pemintalan, penenunan dan penyiapan tekstil	357	335	90	79	83	84	82	81	79	306	298	31	30	29	26
	13110 Penyediaan dan pemintalan gentian tekstil															
	&															
	13120 Penenunan tekstil	231	222	58	51	57	57	56	55	53	203	202	20	20	19	17
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	115	105	29	27	24	25	24	23	24	96	88	10	10	10	9
	Industri lain	11	8	2	1	2	2	2	2	2	7	8	1	1	1	0
139	Pembuatan tekstil lain	323	326	82	78	83	82	81	81	82	298	301	28	27	27	23
	13910 Pembuatan fabrik dikait dan dikrusye	127	116	31	27	30	29	26	27	28	106	101	11	10	10	7
	Industri lain	196	210	51	51	54	54	55	54	54	192	200	17	17	17	16
141	Pembuatan pakaian, kecuali pakaian berbulu	1,197	993	296	242	228	227	217	200	198	913	755	103	97	97	78
	14102 Pembuatan pakaian	922	719	227	177	159	157	147	136	141	663	522	78	74	75	58
	Industri lain	275	274	70	65	69	71	70	64	57	250	233	25	23	22	20
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	35	30	9	7	7	7	7	6	6	27	23	3	3	3	2
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	161	121	34	26	29	32	31	30	29	110	110	14	10	10	9
152	Pembuatan kasut	194	191	56	43	44	47	48	45	43	175	170	17	20	19	14
	15201 Pembuatan kasut kulit															
	&															
	15203 Pembuatan kasut getah	132	136	40	30	31	34	34	32	31	124	120	11	15	14	10
	Industri lain	62	55	16	13	13	13	14	13	13	51	49	6	5	5	4
161/ 16100	Pengilangan dan pengetaman kayu	553	555	135	125	145	150	139	130	136	504	499	45	46	45	37

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2020				2021			2020		2021			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	1,963	1,869	508	446	464	451	466	456	480	1,716	1,740	172	171	164	145
16211	Pembuatan kepingan venier dan papan lapis	1,057	964	270	233	237	224	221	214	238	889	845	91	92	87	77
16212	Pembuatan papan partikel dan papan gentian	272	238	67	57	57	57	59	61	62	218	228	22	22	22	19
16221	Pertukangan kayu untuk jurubina	314	351	83	82	94	92	103	102	101	320	373	28	28	28	26
	Industri lain	320	316	88	73	76	78	83	79	79	289	294	30	30	28	23
170	Pembuatan kertas dan produk kertas	2,128	2,003	530	487	491	496	505	502	495	1,837	1,845	175	175	179	161
17010	Pembuatan pulpa, kertas dan kertas tebal	283	276	75	68	68	65	64	65	67	255	247	26	25	24	22
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	891	798	211	192	197	198	200	205	196	732	737	70	70	71	63
17091	Pembuatan sampul surat dan kad surat	62	58	16	15	14	14	14	15	15	54	54	5	5	5	5
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	341	338	86	82	84	85	86	88	85	310	317	29	29	29	26
17093	Pembuatan kertas bergam atau pelekat yang berjalar atau bergulung dan label dan kertas dinding	382	353	94	88	85	86	83	72	75	325	282	30	30	34	31
	Industri lain	169	180	47	42	44	48	57	58	56	163	208	15	16	15	14
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	2,232	2,170	583	537	521	529	559	549	507	1,979	1,957	202	189	193	176
18110	Percetakan	1,849	1,816	486	450	436	443	466	463	426	1,655	1,642	167	158	162	148
18120	Aktiviti perkhidmatan berkaitan percetakan &	383	354	97	86	85	86	94	86	81	323	315	35	32	31	29
18200	Penerbitan semula media rakaman															
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	2,387	2,282	637	491	537	617	617	522	565	2,060	2,102	209	198	230	163
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	3,767	3,131	971	712	722	725	763	746	787	2,876	2,797	321	323	327	232
20111	Pembuatan gas perindustrian atau perubahan bukan organik dalam bentuk cecair atau mampat	422	248	105	47	49	48	55	55	57	232	206	35	35	35	15
20112	Pembuatan kimia organik asas															
20113	Pembuatan sebatian bukan organik	1,566	1,514	413	380	359	363	383	374	410	1,385	1,424	138	138	136	123
20121	Pembuatan baja															
20129	Pembuatan produk campuran nitrogen	678	414	166	76	89	83	91	86	87	385	316	53	55	58	23
20131	Pembuatan plastik dalam bentuk primer	996	860	263	187	203	207	208	204	208	787	757	87	88	89	62
	Industri lain	104	95	25	23	22	25	26	26	25	86	94	9	8	8	8
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	2,419	2,538	627	602	639	669	699	642	611	2,296	2,376	210	205	212	200
20210	Pembuatan racun perosak dan produk agrokimia lain	178	182	42	45	48	47	63	61	59	166	221	14	13	15	16
20221	Pembuatan cat, varnis dan penyadur dan mastik	338	330	85	80	82	84	91	81	82	301	309	28	28	28	27
20222	Pembuatan dakwat cetak	248	298	65	78	76	79	79	69	64	270	256	20	21	24	29
20231	Pembuatan sabun dan bahan pencuci, penyediaan &															
20232	Pembuatan pewangi dan penyediaan dandanan diri	915	932	251	201	231	249	255	221	208	840	821	87	84	79	64
20291	Pembuatan plat fotografi, filem, sensitized paper dan &															
20292	other sensitized unexposed materials															
20292	Pembuatan dakwat menulis dan melukis &	705	760	175	189	194	201	203	201	189	687	737	57	56	62	61
20299	Pembuatan produk kimia lain t.t.t.l.															
	Industri lain	35	35	9	9	8	8	9	9	8	32	32	3	3	3	3
210	Pembuatan produk farmaseutikal, kimia perubahan dan botani	576	631	144	157	161	169	165	180	183	569	649	48	48	48	54
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	467	512	118	128	130	137	133	145	144	463	519	39	39	39	44
	Industri lain	109	118	27	29	31	32	32	35	39	107	131	9	9	9	10
221	Pembuatan produk getah	3,492	3,761	857	951	973	980	919	1,060	1,112	3,422	3,758	291	278	287	298
22111	Pembuatan tayar getah untuk kenderaan	390	361	93	89	92	87	80	94	93	334	324	32	31	30	30
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	72	77	18	19	20	20	21	23	22	70	81	6	6	6	6
22191	Pembuatan produk lain daripada getah asli atau sintetik, &															
22193	tidak divulkan, divulkan atau dikeraskan	580	592	132	143	158	159	166	174	177	538	625	48	43	42	48
22193	Pengilangan semula getah dan prosesan susu getah															
22192	Pembuatan sarung tangan getah	1,671	1,936	415	508	502	511	444	588	654	1,759	2,059	137	135	143	153
22199	Pembuatan produk getah lain yang t.t.t.l.	779	794	199	191	200	204	208	181	167	721	669	69	64	66	60
222	Pembuatan produk plastik	6,513	7,067	1,599	1,767	1,855	1,847	1,853	1,970	1,846	6,453	6,907	528	530	540	554
22201	Pembuatan produk plastik separa siap &															
22202	Pembuatan produk plastik siap	2,343	2,603	593	661	672	676	644	693	646	2,384	2,423	183	202	209	215
22203	Pembuatan artikel plastik untuk pembungkusan barangan	1,277	1,409	315	356	375	363	373	425	395	1,287	1,456	111	103	100	104
22204	Pembuatan barangan plastik jurubina	90	94	23	23	24	24	25	26	22	86	88	8	8	7	7
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	405	504	105	125	139	134	141	143	141	458	521	34	34	37	38
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2,399	2,458	562	602	645	649	669	683	641	2,239	2,418	192	184	187	189
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	701	665	179	167	159	160	174	185	182	609	675	63	61	55	53

2020								2021												Group Description/Period			
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.					
149	152	157	153	155	151	148	152	158	153	155	153	154	149	155	158	168	169	170	Manufacture of products of wood, cork, straw and plaiting materials				
77	80	81	78	78	75	74	75	74	73	74	71	72	71	75	77	86	86	86	Manufacture of veneer sheets and plywood				
20	18	19	19	20	19	19	19	20	19	20	19	21	20	20	20	22	22	24	Manufacture of particle board and fibreboard				
28	28	31	31	31	32	29	31	34	34	34	36	34	32	34	34	34	34	33	Manufacture of builders' carpentry				
25	25	25	25	26	25	26	27	29	26	27	27	26	25	26	27	26	27	28	Other industry				
161	165	163	163	166	166	164	166	167	167	171	170	166	166	162	163	170	171	173	Manufacture of paper and paper products				
23	23	23	22	22	22	22	21	21	21	22	21	22	22	22	22	23	25	26	Manufacture of pulp, paper and paperboard				
64	65	66	65	67	66	65	66	66	65	69	68	68	69	63	66	68	68	68	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard				
5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	5	Manufacture of envelopes and letter-card				
27	29	28	28	29	29	28	28	29	29	29	32	27	29	28	28	29	29	29	Manufacture of household and personal hygiene paper				
28	29	28	28	29	29	28	29	28	27	28	25	24	23	25	24	26	26	26	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper				
14	14	14	14	15	15	15	18	18	19	19	19	20	19	18	19	19	19	19	Other industry				
181	179	177	177	167	167	171	191	191	182	186	183	187	179	172	172	162	167	175	Printing, service activities related to printing and reproduction of recorded media				
151	151	149	148	139	139	143	160	159	151	155	154	158	151	145	145	136	140	147	Printing				
30	28	28	29	28	27	28	31	31	31	31	30	29	27	27	27	27	27	28	Service activities related to printing				
																			Reproduction of recorded media				
159	169	171	170	196	202	193	222	199	193	225	169	168	185	181	180	205	204	194	Manufacture of refined petroleum products				
234	246	240	237	244	234	237	254	249	252	262	247	236	264	263	262	262	253	247	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms				
15	16	16	16	16	17	16	16	18	18	18	18	18	19	19	19	19	19	20	Manufacture of liquefied or compressed inorganic industrial or medical gases				
124	132	118	116	125	116	118	129	126	128	129	124	114	137	137	134	139	131	126	Manufacture of basic organic chemicals				
																			Manufacture of inorganic compounds				
24	29	30	31	28	27	27	29	29	30	33	28	28	30	30	30	27	26	25	Manufacture of fertilizers				
63	62	68	67	67	67	68	72	67	68	73	68	67	69	70	70	69	69	69	Manufacture of associated nitrogen products				
8	7	7	8	8	8	8	9	8	9	9	9	9	9	8	8	9	8	8	Manufacture of plastics in primary forms				
194	208	211	212	217	212	216	242	231	231	238	218	214	210	204	200	207	210	214	Manufacture of other chemical products and man-made fibres				
14	15	16	16	16	14	16	16	22	20	22	20	20	20	20	19	20	19	20	Manufacture of pesticides and other agrochemical products				
26	26	27	27	28	28	26	30	34	28	29	28	27	26	28	26	28	28	28	Manufacture of paints, varnishes and similar coatings ink and mastics				
24	25	25	25	26	26	26	28	26	25	28	25	22	22	22	21	21	21	22	Manufacture of printing ink				
64	73	75	76	80	77	80	92	81	87	88	74	75	73	69	67	72	68	68	Manufacture of soap and detergents, cleaning and polishing preparations				
																			Manufacture of perfumes and toilet preparations				
62	66	65	65	65	65	64	73	65	69	69	68	66	66	63	63	64	71	73	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials				
																			Manufacture of writing and drawing ink				
3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	Manufacture of other chemical products n.e.c.				
51	52	53	54	54	54	53	61	55	55	55	62	59	59	60	62	61	62	59	Manufacture of pharmaceuticals, medicinal chemical and botanical products				
42	42	43	44	44	44	43	50	44	44	44	50	47	48	47	49	48	50	47	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments				
9	10	10	10	10	10	10	12	11	11	11	12	12	11	13	13	13	12	12	Other industry				
321	332	322	325	326	322	319	339	318	297	303	312	345	403	380	377	356	343	323	Manufacture of rubber products				
29	30	31	31	30	30	29	28	27	24	29	29	33	32	32	31	30	29	28	Manufacture of rubber tyres for vehicles				
6	6	7	7	7	7	7	7	7	6	8	8	8	7	7	7	8	8	8	Manufacture of interchangeable tyre treads and retreading rubber tyres				
45	50	50	52	56	52	52	54	54	55	57	58	59	58	59	59	60	55	53	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened				
175	180	167	169	166	169	165	177	158	144	142	149	189	250	227	225	203	195	177	Rubber remilling and latex processing				
65	66	66	67	67	65	66	73	72	68	68	68	56	56	56	55	56	57	57	Manufacture of rubber gloves				
598	615	603	626	626	621	611	614	605	607	641	662	677	632	605	620	620	622	617	Manufacture of other rubber products n.e.c.				
222	225	213	229	230	232	226	219	207	217	221	232	243	218	207	221	218	219	220	Manufacture of plastics products				
																			Manufacture of semi-manufactures of plastic products				
126	126	124	125	126	121	121	122	122	114	138	143	145	138	131	133	131	132	131	Manufacture of finished plastic products				
8	8	8	8	8	8	8	8	8	8	9	9	9	8	7	7	7	7	8	Manufacture of plastic articles for the packing of goods				
41	45	46	46	47	44	44	46	46	46	49	48	49	46	45	48	49	49	46	Manufacture of builders' plastics ware				
202	211	212	217	216	217	212	220	222	223	224	230	231	222	215	211	215	214	211	Manufacture of plastic tableware, kitchenware and toilet articles				
																			Manufacture of diverse plastic products n.e.c.				
58	56	55	52	51	51	52	56	58	58	59	60	63	62	60	56	65	67	66	Manufacture of glass and glass products				

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2020				2021			2020		2021			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	3,639	3,604	938	868	885	913	904	903	873	3,296	3,280	312	312	314	279
23911	Pembuatan mortar refraktori dan konkrit															
&																
23921	Pembuatan seramik bukan refraktori	433	411	113	98	100	100	94	93	92	378	337	39	38	36	32
23930	Pembuatan produk porselin dan seramik lain	163	160	39	37	41	43	42	39	38	145	145	12	13	13	12
23941	Pembuatan simen hidrolik	298	303	81	80	69	72	72	76	68	276	263	27	26	29	24
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	693	665	176	158	166	165	170	171	168	608	624	58	58	61	49
23952	Pembuatan konkrit pratuangan, simen atau artikel batu															
&	buatan yang digunakan dalam pembinaan;															
23953	Pembuatan komponen struktur pasang siap untuk															
&	bangunan atau kejuruteraan awam dari simen, batu atau															
23959	konkrit buatan	1,190	1,226	302	295	306	323	318	313	306	1,122	1,151	100	104	98	97
23959	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.															
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	538	508	142	126	117	123	121	115	115	464	434	49	46	46	42
	Industri lain	323	332	85	75	86	87	87	95	86	302	327	28	27	30	24
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	2,402	2,221	600	534	535	553	581	531	516	2,025	1,998	208	204	187	170
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	1,459	1,362	377	322	322	341	356	354	343	1,238	1,292	122	122	133	107
243	Pengacuan logam	453	406	108	91	103	104	107	101	100	370	379	38	36	33	30
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	1,678	1,659	419	390	423	427	426	396	395	1,515	1,492	140	142	136	123
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap															
&	dan pintu pagar daripada logam															
25119	Pembuatan produk struktur logam lain	999	984	249	225	255	255	240	216	207	898	806	84	85	80	68
25120	Pembuatan tangki, takungan dan kontena daripada															
	logam	461	474	114	114	121	126	132	130	143	431	506	37	39	38	37
	Industri lain	219	201	56	52	48	46	54	50	45	185	180	19	19	18	17
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	3,500	3,661	915	874	916	957	977	923	925	3,325	3,485	308	309	298	283
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan															
	logam; serbuk metalurgi	661	715	170	173	184	188	194	189	187	647	697	56	58	56	54
25920	Rawatan dan penyalutan logam; menggunakan mesin	370	444	104	102	114	125	131	127	116	399	456	35	35	34	31
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	375	409	100	99	100	110	106	95	100	371	378	33	34	34	32
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan															
&	artikel seumpamanya daripada logam															
25993	Pembuatan bolt, skru, nat dan produk uliran	876	811	214	191	199	206	217	198	218	740	805	73	72	70	62
	seumpamanya															
25994	Pembuatan barangan rumah daripada logam	86	76	21	18	18	18	19	19	16	70	65	7	7	7	6
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	841	904	232	218	224	230	240	231	224	824	845	79	79	75	69
	Industri lain	291	301	73	72	77	80	70	64	63	274	239	25	25	23	29
261	Pembuatan komponen dan papan elektronik	11,312	11,194	3,050	2,636	2,670	2,839	3,043	2,944	2,803	10,175	10,724	1,034	1,043	974	871
26101	Pembuatan diod, transistor dan alatan semikonduktor															
&	yang seumpamanya															
26102	Pembuatan litar elektronik bersepadu dengan	7,594	7,272	2,113	1,696	1,662	1,800	1,939	1,944	1,866	6,628	7,012	714	722	677	585
	pasangan mikro															
26103	Pembuatan kapasitor dan perintang elektrik															
&																
26104	Pembuatan papan litar bercetak	3,236	3,400	816	809	873	902	976	883	829	3,071	3,284	280	279	257	246
&																
26105	Pembuatan komponen paparan															
26109	Pembuatan komponen lain untuk aplikasi elektronik	481	522	121	131	135	136	128	117	108	476	428	40	41	40	40
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	2,442	2,586	685	619	610	672	720	671	695	2,334	2,570	229	221	234	213
263/ 26300	Pembuatan peralatan komunikasi	819	706	216	174	161	155	152	171	159	660	603	71	73	73	70
264/ 26400	Pembuatan peralatan elektronik pengguna	1,153	1,191	295	288	299	309	281	272	275	1,083	1,034	100	97	98	94
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	1,621	1,602	424	391	377	410	409	401	413	1,453	1,517	149	143	132	130
26511	Pembuatan kelengkapan mengukur, menguji, memandu															
&	arah dan kawalan															
26512	Pembuatan kelengkapan kawalan proses perindustrian	1,437	1,437	380	350	336	370	371	362	375	1,303	1,376	134	129	118	117
26520	Pembuatan jam tangan dan jam dan bahagiannya	184	165	43	41	40	41	38	39	38	150	141	15	15	14	12
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	640	611	162	157	157	135	162	187	185	569	655	54	54	53	52

2020										2021										Group Description/Period									
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.											
291	298	295	294	296	296	309	309	303	295	306	305	308	290	289	290	295	296	303	Manufacture of non-metallic mineral products n.e.c.										
33	33	33	33	34	33	34	34	33	30	32	32	32	30	30	31	31	31	26	Manufacture of refractory mortars and concretes										
12	13	13	13	14	14	15	14	15	13	14	12	13	13	12	13	13	13	13	Manufacture of other porcelain and ceramic products										
28	28	24	24	22	22	23	27	24	23	25	26	26	24	23	22	23	23	23	Manufacture of hydraulic cement										
55	54	55	55	56	54	55	56	57	54	59	56	58	57	57	56	56	56	58	Manufacture of ready-mix and dry-mix concrete and mortars										
																			Manufacture of precast concrete, cement or artificial stone articles for use in construction										
98	99	102	101	102	104	114	104	104	107	107	106	109	98	102	101	102	102	112	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone										
39	45	40	38	40	40	40	43	41	40	40	37	40	39	37	38	40	41	42	Manufacture of other articles of concrete, cement and plaster n.e.c.										
25	26	29	29	28	28	29	30	29	28	30	36	31	29	28	29	29	30	30	Manufacture of other non-metallic mineral products n.e.c.										
																			Other industry										
183	182	177	179	179	178	178	197	196	190	194	183	176	172	165	168	184	183	187	Manufacture of basic iron and steel										
106	109	107	107	108	109	108	124	118	116	121	116	121	117	113	112	118	121	119	Manufacture of basic precious and other non-ferrous metals										
31	30	34	34	35	34	34	36	35	35	37	34	34	33	32	33	35	35	35	Casting of metals										
132	135	141	141	141	139	144	144	143	141	142	136	136	124	132	128	136	137	138	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition										
76	80	85	85	84	84	86	86	83	78	78	76	75	65	69	68	71	71	72	Manufacture of metal doors, windows and their frames, shutters and gates										
																			Manufacture of other structural metal products										
38	39	40	40	41	40	43	43	42	45	45	43	44	44	48	46	49	51	51	Manufacture of tanks, reservoirs and containers of metal										
18	16	16	16	16	15	15	16	18	18	18	17	17	16	15	14	15	16	15	Other industry										
294	297	305	305	306	309	312	336	334	326	316	308	311	304	298	301	327	329	332	Manufacture of other fabricated metal products; metal working service activities										
59	60	61	61	62	60	60	68	68	64	63	63	64	63	62	62	63	63	63	Forging, pressing, stamping and roll-forming of metal; powder metallurgy										
35	36	38	38	38	38	41	46	44	44	43	41	43	42	39	38	39	40	41	Treatment and coating of metals; machining										
34	33	33	33	34	33	38	38	37	37	32	32	31	32	31	32	36	37	40	Manufacture of tins and cans for food products, collapsible tubes and boxes										
																			Manufacture of metal cable, plaited bands and similar articles										
65	65	67	66	66	69	66	71	72	73	72	65	67	66	66	66	87	86	86	Manufacture of bolts, screws, nuts and similar threaded products										
6	6	6	6	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	Manufacture of metal household articles										
74	75	75	74	75	75	75	80	81	81	78	78	78	75	73	75	76	76	75	Manufacture of any other fabricated metal products n.e.c.										
21	21	26	26	26	26	26	28	26	22	22	22	21	21	22	21	21	21	21	Other industry										
878	887	872	877	920	917	903	1,019	997	1,065	981	976	976	992	930	931	943	961	974	Manufacture of electronic components and boards										
554	558	538	545	580	581	575	644	631	669	639	633	634	678	613	628	625	626	637	Manufacture of diodes, transistors and similar semiconductor devices										
																			Manufacture of electronic integrated circuits micro assemblies										
																			Manufacture of electrical capacitors and resistors										
279	284	289	288	295	290	283	329	323	353	300	303	302	278	281	267	281	297	300	Manufacture of printed circuit boards										
																			Manufacture of display components										
45	46	45	44	46	45	45	46	44	43	41	40	40	36	36	35	37	37	37	Manufacture of other components for electronic applications										
206	199	208	209	194	212	208	252	245	237	238	224	223	224	215	224	255	256	228	Manufacture of computers and peripheral equipment										
51	53	54	53	54	54	54	47	52	47	52	63	53	56	51	54	55	55	65	Manufacture of communication equipment										
95	99	98	99	102	103	99	108	106	85	90	91	92	89	84	92	99	104	102	Manufacture of consumer electronics										
132	129	126	126	125	131	130	149	140	132	136	136	136	129	132	139	142	142	152	Manufacture of measuring, testing, navigating and control equipment; watches and clocks										
																			Manufacture of measuring, testing, navigating and control equipment										
118	115	112	112	112	118	117	134	128	120	124	123	123	116	119	127	129	130	138	Manufacture of industrial process control equipment										
14	14	13	13	13	13	13	15	12	13	13	13	13	13	13	13	13	13	14	Manufacture of watches and clocks and parts										
51	54	52	52	52	47	47	42	49	52	61	60	61	66	63	62	60	60	60	Manufacture of irradiation, electromedical and electrotherapeutic equipment										

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2019	2020	2020				2021			2020		2021			
				Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	408	393	101	97	96	99	104	96	93	359	357	33	34	34	29
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	1,309	1,314	339	310	324	340	338	294	321	1,191	1,176	117	116	107	97
	27101 Pembuatan motor elektrik, penjana dan transformer	464	437	120	102	108	107	100	109	120	401	409	43	42	36	31
	27102 Pembuatan perkakasan pengagihan dan pengawalan	844	877	219	208	216	233	238	185	201	790	767	74	74	71	66
272/ 27200	Pembuatan bateri dan akumulator	404	423	101	104	109	109	97	105	120	386	399	35	34	32	32
273	Pembuatan pendawaian dan peranti pendawaian	884	883	227	199	220	236	244	239	249	797	904	76	78	73	60
	27310 Pembuatan kabel gentian optikal	70	68	17	17	17	17	12	13	17	62	58	6	6	5	5
	27320 Pembuatan wayar dan kabel elektronik dan elektrik lain	776	780	201	174	194	211	223	216	222	703	811	67	69	65	52
	27330 Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	37	35	9	8	9	9	9	9	10	33	35	3	3	3	2
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	145	153	38	39	38	38	46	52	61	140	199	13	12	12	13
275/ 27500	Pembuatan perkakasan domestik	624	694	170	162	180	182	181	149	128	631	534	58	58	54	47
279/ 27900	Pembuatan kelengkapan elektrik lain	278	283	69	69	71	74	70	72	73	258	268	23	23	23	23
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	4,219	4,167	1,063	982	1,029	1,092	1,110	1,039	1,032	3,777	3,897	364	364	335	318
	28120 & 28130 Pembuatan alat-alat kuasa bendalir	384	341	81	81	82	97	87	81	81	303	305	21	30	29	26
	28180 & 28220 Pembuatan alatan tangan yang menggunakan kuasa dilengkapkan dengan motor elektrik atau bukan motor elektrik atau pneumatik	756	796	186	176	209	225	235	214	220	713	830	65	62	60	58
	28192 Pembuatan jentera pembentukan logam dan alatan mesin	637	703	172	178	177	175	174	167	175	643	632	58	58	56	53
	28290 Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	683	548	166	117	128	138	145	137	129	498	499	60	63	43	43
	28290 Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	1,758	1,779	458	430	434	458	468	440	427	1,619	1,630	160	151	147	138
291 (29101 & 29102)	Pembuatan kenderaan bermotor	1,174	1,031	289	235	254	253	257	261	252	936	953	97	97	94	77
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	303	260	73	62	61	63	66	71	71	239	257	25	25	24	20
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	2,279	2,127	576	500	500	551	542	526	481	1,931	1,887	193	199	184	173
301 (30110 & 30120)	Pembinaan kapal dan bot	324	299	80	71	75	74	80	72	66	275	262	28	27	25	23
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.	937	802	237	185	186	193	208	205	194	737	743	78	80	79	62
	30910 Pembuatan motosikal	504	436	125	102	102	106	120	122	116	400	441	41	43	42	35
	30920 Pembuatan basikal dan invalid carriages	138	138	35	31	35	37	37	34	31	126	123	11	12	11	9
	Industri lain	296	228	77	51	49	51	51	49	46	211	179	26	25	26	18
310	Pembuatan perabot	2,339	2,368	597	553	607	612	617	578	586	2,161	2,207	202	201	194	171
	31001 Pembuatan perabot kayu dan rotan	1,717	1,784	440	418	458	468	466	436	450	1,626	1,682	149	147	144	131
	Industri lain	622	584	157	135	149	144	151	142	136	536	525	53	53	50	41
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	233	242	61	56	61	65	66	60	57	218	224	20	20	20	18
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	642	668	166	163	165	174	183	177	177	608	658	56	56	54	52
	32901 Pembuatan alat tulis	170	151	42	38	35	36	38	37	37	139	138	15	15	13	12
	Industri lain	473	517	124	125	130	138	146	140	140	469	520	41	42	41	40
323/ 32300	Pembuatan barangan sukan	65	66	17	15	17	17	18	17	17	60	64	6	6	5	5
324/ 32400	Pembuatan permainan dan mainan	177	184	47	46	47	44	34	36	52	167	161	15	16	16	17
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	1,336	1,240	335	296	293	316	322	309	298	1,133	1,149	114	113	108	104
	33150 Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	306	285	77	73	66	69	71	65	64	262	245	26	26	25	30
	Industri lain	1,030	954	258	223	227	246	251	244	234	871	903	88	87	83	74
Jumlah Pembuatan		88,206	87,194	22,728	20,906	21,420	22,139	22,584	22,162	21,904	79,451	81,709	7,664	7,608	7,456	6,825

2020								2021												Group Description/Period			
Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.					
34	34	31	31	33	32	32	35	34	34	35	32	32	32	30	31	32	32	33	Manufacture of optical instruments, photographic equipment, magnetic and optical media				
106	107	107	109	108	109	109	122	118	114	106	89	100	104	104	107	110	111	113	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus				
35	36	36	36	36	35	36	36	36	33	32	34	36	39	39	40	40	40	40	Manufacture of electric motors, generators and transformers				
71	71	71	73	73	73	74	86	82	82	74	56	64	65	65	67	70	70	73	Manufacture of electricity distribution and control apparatus				
36	36	37	36	36	36	37	37	37	30	30	30	36	38	38	42	40	40	38	Manufacture of batteries and accumulators				
68	72	72	74	74	76	75	86	84	84	76	76	80	82	81	82	86	88	85	Manufacture of wiring and wiring devices				
6	6	6	6	6	6	5	6	4	4	4	4	5	5	5	5	8	8	8	Manufacture of fibre optic cables				
60	63	63	65	65	67	66	77	77	77	69	70	73	74	73	74	75	77	74	Manufacture of other electronic and electric wires and cables				
3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	Manufacture of current -carrying and non current-carrying wiring devices for electrical circuits regardless of material				
14	13	13	13	12	12	12	13	16	15	15	16	17	20	20	20	20	20	20	Manufacture of electric lighting equipment				
54	61	61	60	60	60	59	63	60	60	60	44	54	51	47	43	37	38	38	Manufacture of domestic appliances				
23	23	24	24	24	25	24	25	24	24	22	24	24	23	23	24	26	26	26	Manufacture of other electrical equipment				
324	340	343	339	348	351	350	390	379	379	352	349	349	340	336	345	350	355	361	Manufacture of general-purpose and special-purpose machinery				
																			Manufacture of fluid power equipment				
27	28	27	27	28	29	30	38	29	29	29	28	27	26	26	27	28	27	28	Manufacture of other pumps, compressors, taps and valves				
																			Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives				
57	61	68	68	74	71	71	83	83	81	71	72	71	71	71	71	78	78	83	Manufacture of metal-forming machinery and machine tools				
																			Manufacture of air-conditioning machines, including for motor vehicles				
57	68	60	59	59	60	56	59	58	58	58	53	57	57	55	62	58	58	58	Manufacture of other special-purpose machinery n.e.c.				
37	37	43	42	43	44	43	50	50	50	45	49	45	43	43	43	43	44	44	Other industry				
145	147	146	143	145	148	150	160	158	161	149	148	149	142	141	142	144	148	148					
74	85	80	87	87	78	80	95	87	89	82	88	88	85	82	83	87	90	93	Manufacture of motor vehicles				
21	22	20	20	21	21	21	22	21	21	24	24	24	23	23	23	25	25	25	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers				
161	166	165	165	170	175	179	196	180	184	178	186	172	167	155	158	168	169	170	Manufacture of parts and accessories for motor vehicles				
24	25	25	25	24	24	25	25	25	25	30	25	24	23	22	22	22	22	22	Building of ships and boats				
62	61	62	61	63	63	65	65	68	69	71	71	70	64	64	63	67	68	69	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c				
34	33	33	33	36	35	35	36	38	39	42	42	41	38	39	37	40	41	43	Manufacture of motorcycles				
11	11	12	12	12	12	12	12	13	12	12	12	12	10	9	11	11	11	10	Manufacture of bicycles and invalid carriages				
17	17	17	16	16	17	17	17	17	17	17	17	17	15	16	15	16	16	16	Other industry				
186	195	202	201	204	204	201	207	208	207	201	194	197	187	185	187	214	213	213	Manufacture of furniture				
140	148	152	152	154	156	154	158	158	157	151	146	148	143	141	142	166	165	165	Manufacture of wooden and cane furniture				
47	47	49	49	50	48	47	49	51	50	50	49	49	45	44	45	48	47	48	Other industry				
19	19	20	20	20	20	20	24	23	22	21	21	20	19	19	18	20	20	21	Manufacture of jewellery, bijouterie and related articles				
56	56	55	55	54	57	57	60	61	62	61	59	59	59	59	59	59	60	60	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.				
14	12	12	12	11	12	12	12	13	13	13	13	13	12	12	12	13	13	13	Manufacture of stationery				
42	44	43	43	43	45	45	48	48	49	48	47	46	47	47	46	47	47	48	Other industry				
5	5	6	6	6	6	6	6	6	6	6	6	6	6	5	6	6	6	6	Manufacture of sports goods				
13	16	15	16	17	13	13	18	11	11	11	11	11	14	15	18	19	19	19	Manufacture of games and toys				
96	96	98	98	97	104	105	107	107	107	108	109	103	97	99	99	101	107	112	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment				
22	21	22	22	22	22	24	24	24	24	24	23	22	21	21	21	22	21	23	Repair and maintenance of transport equipment except motorcycles and bicycles				
74	74	76	76	75	82	82	83	83	83	84	86	81	76	77	78	79	86	89	Other industry				
6,968 7,113 7,091 7,113 7,217 7,205 7,190 7,744 7,558 7,512 7,514 7,386 7,416 7,360 7,195 7,231 7,479 7,523 7,536 Total Manufacturing																							

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020					2021			2020		2021				
		2020	Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei
101	Pemprosesan dan pengawetan daging	-4.8	5.9	-7.3	-12.0	-5.5	-4.6	8.1	7.0	-5.0	3.5	-0.5	3.0	16.6	-4.2	-8.2
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	11.1	16.3	7.1	12.5	8.9	7.5	9.1	-1.4	11.8	3.2	17.8	18.2	13.1	5.4	7.5
	10201 Pengetinan ikan, krustasea dan moluska															
	10202 Pemprosesan dan pengawetan ikan, krustasea dan moluska	13.6	16.5	9.7	14.2	14.0	8.2	8.8	-1.8	14.0	2.9	16.9	18.2	14.5	6.4	10.6
	Industri lain	1.6	15.7	-3.2	6.1	-9.2	4.5	10.5	0.5	3.1	4.4	21.6	18.3	7.5	1.2	-5.0
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	10.4	3.5	9.2	17.5	12.3	9.7	5.2	3.6	10.5	5.0	9.4	2.0	-0.7	11.8	8.3
	10303 Pengetinan nanas	4.0	-7.6	-1.0	11.7	14.3	12.8	3.4	-33.2	2.6	-13.9	-11.1	-2.9	-8.9	-11.5	2.8
	10304 Pembuatan jem, marmalad dan sajian jeli															
	Industri lain	11.2	5.0	10.5	18.3	12.1	9.3	5.4	8.4	11.5	7.2	12.0	2.7	0.3	14.7	9.0
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	2.3	6.2	2.0	1.8	-0.9	-4.0	-0.3	-0.3	2.5	-0.6	6.9	7.5	4.2	5.1	0.7
	10404 Pembuatan minyak sayuran mentah dan bertapis	0.1	5.0	-4.4	1.8	-2.0	0.1	13.8	5.8	0.3	5.8	3.0	6.2	5.8	-9.9	-4.4
	10406 Pembuatan sebatian lemak masakan															
	10405 Pembuatan minyak kelapa	-8.9	10.0	-7.0	-15.4	-21.4	-18.8	-10.3	-25.3	-7.8	-18.6	9.3	12.1	8.7	-10.0	-5.3
	Industri lain	3.0	6.1	3.0	2.8	0.4	-3.5	-0.9	0.3	3.2	-0.3	7.1	7.4	3.9	7.1	1.4
105	Pembuatan produk tenusu	2.8	4.7	-1.4	-3.0	10.7	3.3	14.7	19.2	2.9	9.8	5.5	6.3	2.3	-4.3	-0.6
	10502 Pembuatan susu pekat, tepung dan sejat	2.2	3.8	-2.5	-4.0	11.5	4.3	17.1	22.9	2.3	11.7	3.8	5.9	1.7	-5.2	-1.9
	Industri lain	6.4	11.0	5.6	3.2	5.9	-3.6	1.0	-2.0	6.5	-1.7	17.5	9.0	6.7	1.4	7.9
106	Pembuatan produk bijian, kanji dan produk berkanji	2.1	6.2	-2.9	2.5	2.4	3.6	11.9	4.1	1.9	5.7	2.2	8.5	7.9	0.8	-3.3
	10611 Pengilangan beras	10.7	17.4	15.9	8.2	2.2	-1.7	-1.3	4.4	11.5	1.7	13.1	19.5	19.7	19.7	13.9
	10613 Pengilangan tepung	-6.1	-4.6	-21.2	-2.2	3.8	9.5	30.2	3.1	-7.3	10.0	-7.7	-2.5	-3.5	-17.5	-20.8
	Industri lain	0.3	6.8	3.1	-3.3	-5.1	4.9	10.0	9.2	0.9	7.5	-0.8	11.7	10.7	5.5	5.5
107	Pembuatan produk makanan lain	0.2	5.2	2.6	-0.3	-6.2	-1.2	-0.2	1.7	1.0	2.0	5.1	6.0	4.5	1.7	2.9
	10711 Pembuatan biskut dan cookies	1.4	1.2	0.9	0.2	3.5	5.2	0.2	4.9	1.2	5.4	2.2	2.7	-1.5	0.1	1.8
	10712 Pembuatan roti, kek dan produk bakeri lain	1.3	10.6	7.4	-2.1	-9.4	-12.2	-9.9	-5.3	2.8	-7.3	8.7	9.7	13.5	11.6	5.1
	10713 Pembuatan produk snek	-5.3	-6.0	-7.0	-0.7	-7.2	1.5	9.1	8.8	-5.2	6.9	-3.0	-5.1	-9.8	-10.7	-7.2
	10721 Pembuatan gula	-28.7	-1.0	-25.9	-41.3	-41.9	-26.5	-14.5	2.3	-26.9	-11.5	4.7	1.9	-10.1	-27.2	-26.3
	10731 Pembuatan produk koko	-14.1	3.9	-2.2	-14.2	-41.2	-31.0	-23.9	-18.3	-10.9	-18.8	8.2	2.5	0.9	5.6	7.0
	10732 Pembuatan coklat dan produk coklat															
	10733 Pembuatan konfeksi gula	-6.8	3.4	-2.1	-10.7	-16.9	-9.0	-4.4	-0.1	-5.8	-2.5	-1.7	5.3	6.7	-1.2	-1.2
	10793 Pembuatan sos dan bahan perasa	-3.1	-1.0	-4.8	1.8	-8.2	-1.7	-2.2	2.6	-2.7	4.0	-3.6	-1.4	1.7	-8.9	-3.6
	10799 Pembuatan produk makanan lain t.t.t.l.	4.2	0.9	4.2	7.6	4.1	17.2	19.1	11.4	4.2	17.3	3.4	4.1	-4.4	-0.3	2.4
	Industri lain	8.1	9.1	8.8	9.3	5.2	11.5	7.9	5.2	8.4	8.4	10.5	10.5	6.3	4.0	10.6
108/ 10800	Pembuatan makanan haiwan tersedia	8.5	16.5	7.2	8.6	2.4	-2.2	4.8	6.6	9.8	3.4	22.7	15.2	11.2	9.4	6.0
110	Pembuatan minuman ringan	-12.5	4.2	-19.2	-17.8	-17.0	-16.6	-0.05	-2.8	-12.3	-5.9	3.2	5.0	4.5	-16.5	-19.9
	11041 Pembuatan minuman ringan	-9.8	0.3	-18.0	-13.3	-8.7	-14.2	1.3	-1.2	-10.4	-4.0	-2.9	0.1	4.1	-17.7	-18.0
	11042 Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-15.1	11.8	-19.0	-19.6	-29.4	-13.3	10.5	1.7	-13.0	-0.7	15.3	15.8	3.1	-18.6	-18.8
	Industri lain	-22.0	11.8	-25.7	-37.5	-33.4	-36.9	-31.8	-26.6	-21.7	-30.7	13.7	12.3	9.4	-5.0	-32.9
120/ 12000	Pembuatan produk tembakau	-27.6	0.8	-45.9	-37.4	-25.9	-18.7	16.7	1.7	-27.6	-2.8	2.1	0.6	-0.1	-43.9	-44.8
131	Pemintalan, penenunan dan penyiapan tekstil	-6.2	2.0	-10.3	-7.9	-8.6	-8.4	2.2	-5.4	-6.1	-2.9	3.2	2.4	0.2	-10.8	-13.3
	13110 Penyediaan dan pemintalan gentian tekstil															
	13120 Penenunan tekstil	-3.5	4.2	-8.8	-4.3	-5.1	-3.9	8.7	-6.7	-3.4	-0.7	4.8	4.6	3.2	-6.6	-13.8
	13132 Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-9.4	0.8	-8.1	-14.8	-15.4	-17.5	-13.4	-1.7	-9.2	-8.2	3.3	1.4	-2.2	-11.4	-6.1
	Industri lain	-29.0	-26.0	-60.9	-13.9	-11.7	-8.1	79.7	-12.8	-30.4	4.5	-24.3	-25.7	-28.1	-82.2	-77.0
139	Pembuatan tekstil lain	0.8	2.5	-2.1	3.6	-0.9	-1.1	4.5	-1.3	1.3	0.8	1.9	3.5	2.2	-11.5	1.2
	13910 Pembuatan fabrik dikait dan dikrusye	-8.8	2.1	-11.0	-8.4	-16.6	-15.1	1.5	-4.7	-7.1	-4.9	1.4	6.7	-1.5	-22.0	-4.3
	Industri lain	6.9	2.8	3.3	11.6	10.2	7.3	6.0	0.5	6.7	4.0	2.2	1.6	4.5	-5.6	4.5
141	Pembuatan pakaian, kecuali pakaian berbulu	-17.0	2.6	-19.1	-23.9	-26.6	-26.9	-17.2	-13.0	-16.1	-17.3	3.4	4.0	0.4	-20.1	-18.0
	14102 Pembuatan pakaian	-22.0	2.4	-22.9	-31.3	-34.6	-35.1	-23.0	-11.1	-20.9	-21.2	1.7	4.2	1.3	-21.7	-21.8
	Industri lain	-0.2	3.2	-6.3	1.4	0.7	-0.2	-1.4	-17.3	-0.4	-6.8	8.8	3.3	-2.6	-15.1	-5.2
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	-15.3	-2.6	-17.6	-22.9	-18.4	-22.6	-9.6	-17.4	-15.4	-16.8	5.7	-3.7	-9.6	-17.6	-20.9
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-24.7	-17.0	-34.6	-24.9	-22.8	-10.0	14.3	-2.9	-25.0	0.1	0.7	-27.0	-24.4	-35.2	-36.8
152	Pembuatan kasut	-1.6	20.7	-6.0	-12.9	-6.8	-13.7	4.5	-2.3	-1.2	-3.2	4.5	32.2	26.8	-10.3	-10.0
	15201 Pembuatan kasut kulit	2.7	26.7	-5.5	-10.0	1.2	-14.2	5.4	-2.8	2.8	-3.1	4.0	40.0	36.6	-11.2	-10.8
	15203 Pembuatan kasut getah															
	Industri lain	-10.8	8.0	-7.2	-19.3	-22.2	-12.7	2.3	-1.0	-9.9	-3.3	5.4	14.1	5.4	-8.1	-8.0
161/ 16100	Pengilangan dan pengetaman kayu	0.4	-2.8	-10.7	5.6	9.6	2.6	4.3	-6.1	-0.6	-1.0	-3.9	-1.4	-3.0	-21.7	-11.5

2020							2021											Group Description/Period				
Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.					
-9.3	-10.5	-14.1	-11.3	-12.3	-0.6	-3.6	-1.7	-7.5	-4.5	6.9	9.0	8.4	7.6	7.9	5.7	5.7	4.3	Processing and preserving of meat				
8.5	11.3	15.0	11.4	12.4	10.1	4.4	8.9	6.1	7.5	10.9	9.3	7.2	1.0	-3.3	-1.8	-3.7	-4.4	Processing and preserving of fish, crustaceans and molluscs Canning of fish, crustaceans and molluscs				
12.1	14.0	15.1	13.6	17.1	16.2	9.0	10.2	6.8	7.6	10.7	8.6	7.1	0.9	-4.5	-1.8	-5.1	-5.9	Processing, curing and preserving of fish, crustacean and molluscs				
-5.4	1.5	14.4	3.0	-4.3	-10.8	-12.1	3.6	3.1	6.8	11.6	12.7	7.4	1.6	1.6	-1.6	2.2	2.1	Other industry				
7.4	16.8	18.4	17.2	8.8	19.3	9.5	5.7	10.6	13.0	-0.3	6.3	10.2	9.0	0.2	1.7	0.1	-0.4	Processing and preserving of fruits and vegetable Pineapple canning				
5.7	14.1	13.6	7.4	12.5	10.3	20.0	23.9	9.2	6.0	10.2	-1.0	1.9	-5.5	-50.0	-46.0	-45.6	-46.8	Manufacture of jams, marmalades and table jellies				
7.7	17.2	19.1	18.5	8.3	20.5	8.3	3.8	10.8	13.9	-1.3	7.2	11.2	11.0	6.7	7.4	5.5	5.0	Other industry				
0.3	0.8	1.2	3.4	-1.4	-0.9	-0.4	-5.4	-5.4	-1.2	-1.1	-0.4	0.6	5.3	-6.1	-0.2	3.6	4.1	Manufacture of vegetable and animal oils and fats Manufacture of crude and refined vegetable oil				
1.3	6.1	0.1	-0.4	-2.5	-1.7	-1.6	-1.1	-1.8	3.2	21.2	12.3	8.6	4.3	7.7	5.6	4.1	3.5	Manufacture of compound cooking fats				
-5.8	-15.2	-11.5	-19.5	-22.4	-21.8	-20.0	-20.3	-18.8	-17.3	-0.7	-5.4	-24.3	-28.0	-28.2	-19.1	-21.3	-21.3	Manufacture of coconut oil				
0.5	1.3	2.0	4.9	-0.2	0.4	0.8	-4.9	-5.0	-0.6	-2.6	-1.1	1.2	6.9	-6.1	0.2	4.7	5.3	Other industry				
1.2	-2.0	-3.8	-3.1	16.2	15.4	1.7	0.6	2.0	7.4	12.6	13.8	18.1	18.3	20.1	19.2	0.03	1.4	Manufacture of dairy products				
0.1	-3.4	-4.7	-3.7	17.9	16.7	1.3	1.8	3.1	8.3	14.3	15.7	21.6	23.0	23.5	22.1	0.3	2.1	Manufacture of condensed, powdered and evaporated milk				
7.8	7.2	2.4	0.0	5.4	7.2	5.1	-6.8	-5.7	2.1	2.3	1.9	-1.2	-7.8	0.2	1.8	-2.1	-3.6	Other industry				
-6.2	2.3	1.5	3.6	1.6	1.1	4.4	8.3	0.4	2.3	8.0	12.1	15.8	6.7	3.8	2.0	3.5	1.8	Manufacture of grain mill products, starches and starch products				
14.1	10.6	7.4	6.7	2.4	1.0	3.0	3.8	-5.6	-3.0	-3.9	0.1	0.2	3.6	4.2	5.4	9.2	6.3	Rice milling				
-25.4	-4.5	-3.6	1.6	1.8	2.1	7.5	13.9	6.8	8.2	24.1	29.6	37.7	8.6	3.2	-2.1	-2.8	-3.4	Flour milling				
-1.7	-3.7	-2.1	-4.1	-4.9	-4.4	-6.1	6.0	4.6	4.1	8.3	6.6	15.4	17.1	4.5	5.9	6.1	5.1	Other industry				
3.3	-0.4	-0.4	-0.2	-4.8	-5.9	-7.8	-2.0	-1.9	0.5	1.6	0.03	-2.1	-0.5	0.4	5.3	10.3	11.0	Manufacture of other food products				
0.8	-1.3	1.1	0.8	1.5	5.4	3.7	4.2	3.4	8.0	1.3	0.9	-1.7	1.3	4.4	8.9	12.4	15.6	Manufacture of biscuits and cookies				
5.5	-2.8	-3.5	0.0	-2.9	-10.8	-13.9	-14.5	-11.7	-10.5	-13.5	-7.8	-8.4	-6.7	-5.1	-4.0	1.0	2.8	Manufacture of bread, cakes and other bakery products				
-2.9	2.0	-2.0	-2.1	-9.3	-5.8	-6.5	-0.4	-2.2	7.4	11.5	8.5	7.3	4.6	9.3	12.6	12.6	6.4	Manufacture of snack products				
-24.3	-43.5	-39.8	-40.7	-44.7	-34.0	-45.7	-29.0	-32.3	-16.6	-14.1	-12.2	-17.1	5.4	-0.1	1.9	1.8	8.7	Manufacture of sugar				
-17.8	-15.0	-12.9	-14.7	-38.9	-39.2	-44.9	-35.6	-30.4	-26.6	-12.3	-36.5	-22.0	-20.9	-20.1	-13.9	21.3	20.8	Manufacture of cocoa products				
																		Manufacture of chocolate and chocolate products				
-3.8	-10.0	-9.7	-12.3	-17.7	-16.3	-16.7	-8.0	-12.3	-6.7	-4.7	-4.9	-3.6	-2.3	-2.4	4.6	8.2	8.1	Manufacture of sugar confectionery				
-1.9	2.4	2.2	0.8	-8.0	-9.3	-7.4	2.5	2.4	-9.3	2.1	-0.1	-8.3	-9.9	-2.2	20.2	24.7	27.7	Manufacture of sauces and condiments				
10.8	4.1	9.6	9.3	1.3	6.8	4.2	15.7	16.2	19.8	26.8	21.2	10.2	14.4	8.4	11.6	24.4	24.0	Manufacture of other food products n.e.c.				
11.9	11.0	9.0	8.0	6.2	4.8	4.8	10.8	10.1	13.6	13.5	6.7	3.9	4.4	4.1	7.2	9.9	9.3	Other industry				
6.4	9.6	10.4	6.0	5.4	5.7	-2.3	-8.7	-2.8	6.1	3.6	4.4	6.4	11.3	3.5	5.1	5.7	5.5	Manufacture of prepared animal feeds				
-21.2	-18.9	-17.2	-17.2	-17.9	-18.6	-14.8	-18.1	-17.6	-14.0	-0.1	0.2	-0.2	-5.6	-3.2	0.4	0.6	0.8	Manufacture of beverages				
-18.5	-15.8	-13.0	-11.3	-13.5	-8.4	-4.5	-12.5	-13.0	-17.3	-0.2	1.5	2.8	-1.7	-2.0	0.1	2.2	2.5	Manufacture of soft drinks				
-19.6	-19.1	-18.2	-21.5	-19.5	-33.3	-33.3	-22.7	-20.3	8.8	17.8	8.8	4.6	-1.9	1.4	5.7	3.3	3.9	Production of natural mineral waters and other bottled waters				
-38.9	-34.7	-36.9	-40.9	-38.7	-36.0	-25.4	-37.9	-37.3	-35.5	-31.5	-30.3	-34.1	-41.7	-24.2	-12.4	-19.1	-21.3	Other industry				
-48.8	-41.3	-41.5	-28.4	-25.0	-24.0	-27.9	-20.5	-17.1	-18.7	17.9	17.6	14.5	2.3	1.2	1.5	0.2	0.1	Manufacture of tobacco products				
-6.6	-6.2	-8.1	-9.3	-10.3	-7.9	-7.6	-9.4	-8.3	-7.6	4.6	5.6	-3.3	-4.9	-6.5	-4.9	-0.5	5.3	Spinning, weaving and finishing of textiles Preparation and spinning of textile fibres				
-5.6	-2.2	-4.2	-6.4	-7.4	-2.6	-5.4	-4.5	-4.1	-3.2	8.8	14.9	2.9	-2.9	-10.2	-6.9	-2.0	3.0	Weaving of textiles				
-6.8	-13.5	-15.0	-15.9	-16.2	-18.4	-11.7	-19.5	-16.4	-16.6	-9.5	-16.5	-14.2	-7.0	2.0	-0.1	3.8	11.7	Dyeing, bleaching, printing and finishing of yarns and fabrics				
-23.9	-16.5	-19.6	-3.9	-14.8	-8.4	-11.7	-8.9	-12.3	-2.6	311.4	234.1	-20.1	-31.4	-2.9	-3.8	-6.7	-6.2	Other industry				
3.8	1.3	5.5	4.0	2.2	0.3	-5.0	-3.9	0.4	0.5	17.0	4.2	-5.5	-3.6	-0.4	0.01	1.4	2.4	Manufacture of other textiles				
-7.5	-9.2	-7.8	-8.2	-11.1	-13.4	-24.2	-20.6	-12.7	-11.5	16.6	-0.3	-7.8	-7.4	-3.8	-2.9	1.2	3.5	Manufacture of knitted and crocheted fabrics				
11.4	8.3	14.7	12.0	11.3	9.6	9.8	6.5	8.1	7.4	17.1	6.7	-4.3	-1.6	1.5	1.6	1.5	1.8	Other industry				
-19.2	-22.2	-25.7	-23.8	-26.5	-27.8	-25.6	-26.1	-27.3	-27.5	-10.0	-15.1	-26.4	-16.6	-10.4	-11.6	-10.6	1.8	Manufacture of wearing apparel, except fur				
-25.3	-28.6	-33.7	-31.7	-34.3	-36.5	-33.1	-32.8	-36.1	-36.6	-18.8	-19.7	-30.7	-16.4	-7.3	-9.1	-7.9	3.2	Manufacture of clothings				
1.7	0.0	1.4	2.8	-0.5	1.8	0.9	-5.2	1.7	3.5	16.2	-2.2	-15.6	-17.1	-17.3	-17.4	-16.6	-1.3	Other industry				
-14.0	-25.4	-23.0	-20.2	-20.5	-20.5	-14.2	-20.9	-28.3	-18.3	-8.6	-5.4	-14.8	-7.4	-23.6	-21.0	-23.7	-8.3	Manufacture of articles of fur, knitted and crocheted apparel				
																		Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur				
-31.8	-26.5	-24.3	-23.9	-23.4	-22.6	-22.4	-24.6	-0.5	-0.2	18.7	22.0	3.3	-9.6	-0.8	1.4	3.0	3.0	Manufacture of footwear				
																		Manufacture of leather footwear				
5.5	-9.2	-12.4	-8.5	-0.1	1.9	1.8	8.3	-22.8	-22.8	17.3	13.6	-11.4	-11.8	1.8	1.9	4.6	4.6	Manufacture of rubber footwear				
-5.5	-9.7	-23.5	-23.2	-23.3	-23.1	-20.3	-20.7	-9.4	-6.6	7.7	5.6	-6.2	-5.6	-1.5	4.0	3.0	1.7	Other industry				
1.4	3.1	3.3	10.5	10.6	7.1	11.3	3.8	3.8	0.3	22.7	4.3	-10.2	-6.1	-5.8	-6.4	-6.0	-4.0	Sawmilling and planning of wood				

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh																
		2020	2020				2021			2020	2021						
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei	
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	-4.8	2.9	-9.0	-4.5	-8.6	-8.2	2.2	3.5	-4.4	1.4	3.9	3.4	1.3	-10.5	-9.6	
16211	Pembuatan kepingan venier dan papan lapis	-8.8	0.02	-10.7	-8.3	-16.3	-18.0	-8.3	0.3	-8.0	-5.0	0.0	0.8	-0.8	-11.1	-13.1	
16212	Pembuatan papan partikel dan papan gentian	-12.5	0.6	-17.5	-18.3	-14.2	-11.4	5.8	9.2	-12.6	4.3	5.5	-0.4	-3.0	-16.5	-12.3	
16221	Pertukangan kayu untuk jurubina	11.7	6.1	3.1	20.4	17.5	23.7	24.4	8.2	11.1	16.6	8.1	6.8	3.4	-1.5	1.4	
	Industri lain	-1.3	11.2	-7.9	-4.6	-3.8	-6.2	7.8	3.2	-1.0	1.9	11.5	12.4	9.8	-12.1	-6.7	
170	Pembuatan kertas dan produk kertas	-5.8	1.2	-8.3	-9.8	-6.2	-4.7	3.1	0.7	-5.9	0.4	1.1	1.8	0.6	-9.5	-8.8	
17010	Pembuatan pulpa, kertas dan kertas tebal	-2.3	7.0	-2.1	-1.2	-12.3	-14.9	-5.1	-0.4	-1.1	-3.3	6.5	13.8	1.2	-8.5	0.0	
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-10.5	-2.1	-12.9	-17.1	-9.0	-5.2	7.2	-0.5	-10.7	0.8	-2.5	-2.3	-1.6	-13.8	-12.4	
17091	Pembuatan sampul surat dan kad surat	-6.4	0.6	-5.7	-11.3	-9.3	-8.7	-0.03	9.2	-6.2	1.1	-1.6	0.7	2.6	-1.0	-10.0	
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	-1.0	5.6	-7.0	-2.0	-0.1	-0.2	6.7	0.8	-1.2	2.2	16.4	7.2	-4.6	-12.3	-5.3	
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	-7.5	-4.9	-8.2	-10.2	-6.9	-12.1	-18.7	-11.4	-7.6	-13.2	-11.2	-8.0	4.6	-4.5	-13.4	
	Industri lain	6.7	14.7	1.4	2.2	8.7	21.7	37.5	28.2	6.0	28.1	13.6	17.8	12.7	2.6	-0.4	
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	-2.8	4.3	-7.1	-5.5	-2.7	-4.1	2.3	-2.8	-2.8	-1.1	6.2	5.4	1.3	-7.7	-7.4	
18110	Percetakan	-1.8	4.6	-6.3	-4.1	-1.4	-4.2	2.8	-2.3	-1.8	-0.8	6.7	6.1	1.2	-7.3	-7.0	
18120	Aktiviti perkhidmatan berkaitan percetakan	-7.4	2.6	-11.2	-12.0	-9.0	-3.6	-0.7	-5.1	-7.7	-2.6	4.0	1.9	1.9	-9.7	-9.4	
& 18200	Penerbitan semula media rakaman																
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-4.4	6.7	-10.2	-9.5	-5.0	-3.1	6.4	5.2	-4.4	2.1	7.0	7.4	5.7	-9.5	-10.3	
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	-16.9	3.5	-23.7	-24.0	-23.3	-21.5	4.8	9.0	-16.4	-2.8	4.3	6.2	0.1	-25.4	-24.7	
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	-41.2	5.4	-57.9	-55.8	-52.7	-47.6	19.0	16.7	-40.0	-11.5	5.8	10.6	0.3	-58.4	-59.1	
20112 & 20113	Pembuatan kimia organik asas	-3.4	6.2	0.9	-10.2	-9.7	-7.1	-1.4	14.2	-2.9	2.8	7.2	11.0	0.8	0.2	0.9	
20121 & 20129	Pembuatan sebatian bukan organik																
20121	Pembuatan baja	-39.0	-3.8	-56.0	-47.8	-49.0	-44.8	12.8	-2.3	-38.6	-18.0	-2.8	-1.0	-7.1	-60.1	-59.1	
20129	Pembuatan produk campuran nitrogen																
20131	Pembuatan plastik dalam bentuk primer	-13.7	4.1	-24.5	-16.6	-18.1	-21.2	9.5	2.7	-13.1	-3.9	4.2	3.2	4.7	-25.7	-24.4	
	Industri lain	-8.7	-2.7	-10.8	-13.8	-7.4	1.5	14.5	12.4	-9.1	8.5	0.4	-1.6	-7.0	-7.3	-12.6	
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	4.9	-1.8	-4.4	12.3	15.2	11.5	6.6	-4.4	4.0	3.5	-2.7	-3.1	0.5	-7.5	-6.8	
20210	Pembuatan racun perosak dan produk agrokimia lain	2.3	-9.3	1.8	1.6	17.3	49.3	34.2	23.8	0.8	33.3	-13.1	-14.2	-0.1	8.9	-2.6	
20221	Pembuatan cat, varnis dan penyadur dan mastik	-2.2	5.2	-4.5	0.1	-8.7	6.7	2.2	-0.5	-0.4	2.9	8.1	5.1	2.6	-3.9	-6.4	
20222	Pembuatan dakwat cetak	20.3	0.4	22.0	26.7	33.7	21.7	-11.5	-15.2	18.7	-5.3	-6.8	-3.2	11.4	32.4	14.2	
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	1.8	1.7	-14.3	9.1	12.1	1.7	9.8	-10.0	1.3	-2.3	3.1	1.6	0.2	-21.2	-16.7	
20232	Pembuatan pewangi dan penyediaan dandanan diri																
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials																
20292	Pembuatan dakwat menulis dan melukis	7.7	-8.7	-3.2	21.5	27.2	15.6	6.3	-2.5	5.3	7.3	-11.6	-10.5	-4.1	-9.4	-3.2	
20299	Pembuatan produk kimia lain t.t.t.l.																
	Industri lain	0.4	12.0	6.5	-7.2	-7.7	-1.3	-2.1	0.5	0.9	-0.6	18.0	7.1	10.9	3.4	1.6	
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	9.5	2.3	12.1	11.5	11.8	14.6	14.8	13.9	9.2	14.0	2.2	3.0	1.8	17.1	9.6	
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	9.8	3.4	12.6	11.5	11.5	13.1	13.5	10.3	9.7	12.0	3.5	4.4	2.3	18.7	10.5	
	Industri lain	8.1	-2.2	9.8	11.1	13.5	21.1	20.6	29.0	7.1	22.8	-3.4	-3.0	-0.2	10.7	5.9	
221	Pembuatan produk getah	7.7	-1.4	9.4	10.8	11.9	7.3	11.5	14.3	7.3	9.8	-0.2	-3.2	-0.9	4.4	11.2	
22111	Pembuatan tayar getah untuk kenderaan	-7.3	0.7	-6.0	-10.3	-13.0	-14.2	5.0	0.4	-6.3	-2.9	3.2	1.0	-2.0	-1.5	-5.3	
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	6.9	-6.2	2.0	14.1	19.3	19.1	21.0	8.1	5.7	15.3	-6.9	-8.4	-3.1	1.6	-2.7	
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	2.2	-11.6	-2.6	10.9	13.0	25.6	22.2	11.6	1.1	16.1	-7.8	-12.2	-14.9	-1.2	-8.0	
22193	Pengilangan semula getah dan prosesan susu getah																
22192	Pembuatan sarung tangan getah	15.8	1.6	23.1	18.3	20.0	7.1	15.7	30.3	15.4	17.1	2.5	-1.8	4.2	13.6	28.1	
22199	Pembuatan produk getah lain yang t.t.t.l.	1.9	-0.5	-2.3	5.1	5.5	4.5	-5.5	-16.8	1.5	-7.3	-0.6	-0.8	-0.1	-7.4	-0.7	
222	Pembuatan produk plastik	8.5	4.5	13.1	7.1	9.3	15.9	11.5	-0.5	8.3	7.0	2.7	5.1	5.7	8.2	15.0	
22201	Pembuatan produk plastik separa siap																
22202	Pembuatan produk plastik siap	11.1	9.7	17.2	6.0	12.0	8.7	4.8	-3.8	11.1	1.6	1.5	12.6	15.1	18.1	19.3	
22203	Pembuatan artikel plastik untuk pembungkusan	10.3	1.7	14.9	14.9	9.5	18.6	19.5	5.2	10.6	13.2	3.5	3.3	-1.7	2.1	19.4	
22204	Pembuatan barangan plastik jurubina	3.7	0.1	1.8	5.6	7.4	9.5	13.2	-8.4	3.4	2.8	0.0	1.4	-1.2	-6.4	3.7	
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	24.5	0.8	20.3	40.2	38.5	34.0	14.6	1.6	23.1	13.8	-1.9	-0.7	4.9	10.6	17.8	
22209	Pembuatan pelbagai produk plastik t.t.t.l.	2.5	1.8	7.2	-0.7	2.2	18.9	13.4	-0.6	2.0	8.0	4.6	-0.1	0.9	2.1	8.1	
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-5.1	7.4	-4.2	-9.5	-13.2	-2.9	10.9	14.4	-4.3	10.8	12.2	9.2	0.5	-6.6	-2.8	

2020												2021						Group Description/Period
Jun	Jul	Ogo	Sep	Okt	Nov	Dis	Jan	Feb	Mar	Apr	Mei	Jun	Jul	Ogo	Sep	Okt	Nov	
-6.9	-3.7	-4.2	-5.7	-7.6	-9.2	-9.0	-8.0	-10.6	-6.0	5.7	3.2	-2.2	-1.1	3.0	8.6	11.9	14.5	Manufacture of products of wood, cork, straw and plaiting materials
-7.9	-5.6	-8.6	-10.7	-14.1	-16.9	-17.9	-18.6	-20.0	-15.2	-7.0	-5.7	-12.1	-7.9	-1.0	10.2	14.5	16.1	Manufacture of veneer sheets and plywood
-23.4	-21.4	-17.5	-15.8	-16.0	-15.0	-11.4	-10.3	-13.8	-10.2	-0.3	6.8	11.3	6.6	9.5	11.5	17.8	26.3	Manufacture of particle board and fibreboard
9.8	21.4	21.9	18.1	18.9	14.7	18.8	22.9	23.3	24.9	35.6	23.9	14.5	9.2	7.8	7.5	7.4	11.0	Manufacture of builders' carpentry
-4.9	-6.1	-3.6	-4.0	-5.9	-1.7	-3.8	-2.9	-11.3	-4.3	19.3	4.8	0.5	2.1	4.6	2.8	5.2	5.5	Other industry
-6.7	-10.9	-11.0	-7.6	-7.2	-6.2	-5.1	-5.0	-4.8	-4.3	5.5	3.1	0.8	-0.8	0.5	2.3	3.2	5.5	Manufacture of paper and paper products
2.5	0.0	-2.1	-1.5	-11.3	-10.9	-14.8	-18.5	-14.5	-11.6	-4.2	-6.2	-5.0	-2.1	-1.9	2.9	12.3	17.5	Manufacture of pulp, paper and paperboard
-12.5	-18.6	-19.4	-13.1	-11.2	-8.3	-7.2	-6.3	-7.1	-2.1	8.7	7.0	6.0	-4.3	1.2	1.6	1.9	4.0	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-6.3	-12.0	-10.6	-11.1	-9.8	-9.5	-8.7	-9.6	-6.3	-10.1	-8.9	4.9	4.9	9.5	8.5	9.5	8.1	6.9	Manufacture of envelopes and letter-card
-3.2	-5.0	-0.4	-0.6	-0.1	-0.9	0.7	0.4	0.1	-1.0	19.3	2.0	-0.6	2.6	-1.6	1.4	0.6	2.7	Manufacture of household and personal hygiene paper
-6.5	-10.1	-10.4	-10.0	-6.6	-7.2	-6.7	-6.0	-9.7	-19.5	-18.6	-16.7	-20.8	-11.3	-13.6	-9.3	-9.5	-8.7	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
2.0	1.3	0.8	4.7	6.0	5.8	13.9	17.2	21.2	26.8	38.4	42.5	31.8	27.8	30.4	26.6	23.2	25.9	Other industry
-6.1	-4.4	-5.8	-6.2	-3.6	-2.5	-2.2	-5.5	-3.6	-3.2	4.0	3.2	-0.4	-2.9	-2.5	-2.9	0.4	2.2	Printing, service activities related to printing and reproduction of recorded media
-4.4	-3.0	-4.5	-4.8	-1.5	-0.9	-1.8	-4.6	-4.0	-4.0	4.2	4.4	0.01	-2.4	-2.1	-2.5	0.5	2.5	Printing
-14.4	-10.9	-12.1	-12.8	-12.8	-9.9	-4.3	-10.0	-1.5	1.4	3.1	-2.5	-2.9	-5.7	-4.6	-5.1	-0.3	0.7	Service activities related to printing
																		Reproduction of recorded media
-10.8	-10.2	-9.2	-9.2	-6.6	-3.8	-4.6	-4.9	-2.4	-2.1	3.9	5.8	9.5	5.3	5.4	4.9	1.0	0.6	Manufacture of refined petroleum products
-21.1	-23.6	-23.9	-24.5	-24.8	-23.1	-21.9	-22.7	-22.0	-19.7	6.6	0.8	7.0	9.4	10.4	7.3	8.0	4.4	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
-56.2	-55.2	-54.7	-57.5	-53.1	-50.2	-54.7	-46.8	-48.1	-47.9	19.5	17.5	19.9	15.9	19.0	15.1	14.1	24.8	Manufacture of liquefied or compressed inorganic industrial or medical gases
1.6	-10.7	-11.9	-8.2	-11.3	-9.6	-8.4	-9.0	-7.0	-5.1	0.5	-8.7	3.7	16.1	16.0	10.7	13.0	6.3	Manufacture of basic organic chemicals
																		Manufacture of inorganic compounds
-48.5	-45.9	-44.4	-52.9	-51.2	-51.6	-43.7	-45.8	-45.7	-43.1	19.7	18.1	3.1	-2.7	-1.1	-3.1	-3.4	-7.1	Manufacture of fertilizers
-23.2	-15.9	-16.8	-17.0	-17.3	-16.9	-19.8	-22.3	-22.9	-18.3	9.7	7.5	11.4	1.6	3.8	2.6	2.1	1.2	Manufacture of associated nitrogen products
-12.5	-14.8	-13.7	-13.1	-12.6	-5.6	-4.1	-5.9	2.9	8.2	12.5	14.3	16.7	11.8	13.0	12.2	11.0	0.6	Manufacture of plastics in primary forms
1.1	9.8	11.5	15.5	15.4	15.8	14.4	9.8	12.4	12.3	9.3	10.2	0.7	-3.3	-5.5	-4.5	-0.9	-0.7	Manufacture of other chemical products and man-made fibres
-1.0	-0.1	2.3	2.6	6.1	24.9	20.9	56.7	46.9	44.7	25.6	42.4	35.6	26.0	19.4	26.1	30.9	19.2	Manufacture of pesticides and other agrochemical products
-3.3	-2.8	-0.4	3.5	5.2	-10.9	-17.1	20.7	-1.9	1.3	3.7	3.1	-0.3	2.3	-2.9	-0.8	0.4	5.5	Manufacture of paints, varnishes and similar coatings ink and mastics
19.1	24.0	25.6	30.6	30.6	31.5	38.9	26.0	21.2	18.5	-12.1	-8.3	-14.1	-13.9	-15.5	-16.1	-16.8	-13.6	Manufacture of printing ink
-4.4	6.4	6.4	14.6	12.2	18.1	7.3	-7.6	3.4	10.1	15.0	16.4	-0.5	-7.8	-11.3	-10.7	-11.1	-14.7	Manufacture of soap and detergents, cleaning and polishing preparations
																		Manufacture of perfumes and toilet preparations
																		Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
3.4	19.1	22.8	22.7	22.7	21.2	37.7	14.7	22.2	10.4	12.0	6.8	0.6	-3.6	-2.5	-1.5	9.9	14.4	Manufacture of writing and drawing ink
																		Manufacture of other chemical products n.e.c.
15.1	-2.0	-5.3	-14.0	-11.8	-6.9	-4.4	-6.3	2.4	0.6	-2.3	2.6	-6.3	-2.9	1.0	3.6	4.0	-1.0	Other industry
9.7	10.3	10.8	13.4	12.5	11.1	12.0	13.9	14.6	15.3	15.7	15.3	13.3	13.4	14.6	13.6	15.1	9.9	Manufacture of pharmaceuticals, medicinal chemical and botanical products
8.9	10.2	11.7	12.7	13.6	10.3	10.6	12.6	12.6	14.0	13.9	13.1	13.3	8.9	11.5	10.6	12.7	9.3	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
12.8	10.4	7.0	16.4	7.7	14.3	18.0	19.2	23.3	20.7	23.5	25.2	13.3	32.7	27.8	26.4	26.3	12.3	Other industry
12.4	8.6	11.3	12.5	13.2	10.8	11.8	9.4	6.8	5.6	4.6	7.6	21.5	18.1	15.7	9.1	6.4	1.2	Manufacture of rubber products
-10.8	-8.8	-9.5	-12.5	-8.2	-12.0	-18.6	-14.3	-23.1	-4.9	-5.3	12.7	7.7	3.7	-2.8	0.3	-1.4	-3.2	Manufacture of rubber tyres for vehicles
7.3	12.1	10.7	19.4	16.9	20.2	20.9	16.1	9.4	31.5	28.4	23.4	11.4	6.1	9.7	8.5	15.1	11.3	Manufacture of interchangeable tyre treads and retreading rubber tyres
1.5	4.6	8.5	19.9	13.9	10.5	14.6	13.8	28.0	36.4	19.6	31.3	16.7	16.6	13.4	5.6	5.2	0.2	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
27.2	16.3	20.5	18.1	20.5	19.4	20.2	15.3	7.4	-0.9	-2.5	7.9	38.9	35.4	33.1	22.3	15.5	7.5	Rubber remilling and latex processing
1.1	3.3	4.7	7.2	7.0	3.5	6.0	5.1	5.9	2.5	13.5	-13.6	-14.7	-16.5	-17.3	-16.6	-13.5	-12.9	Manufacture of rubber gloves
16.1	8.1	6.3	7.0	9.3	7.6	10.9	14.5	14.5	18.6	19.5	13.2	2.6	0.3	-0.9	-1.0	0.1	0.9	Manufacture of other rubber products n.e.c.
14.3	6.8	4.8	6.6	11.0	13.9	11.2	13.2	7.5	5.8	8.0	9.8	-3.1	-2.8	-3.7	-4.9	-5.6	-2.5	Manufacture of plastics products
																		Manufacture of semi-manufactures of plastic products
23.2	14.3	14.4	16.0	12.8	7.9	8.0	9.5	9.9	37.7	37.1	15.2	9.1	5.5	6.1	4.1	9.5	8.4	Manufacture of finished plastic products
8.4	6.3	3.7	6.8	6.9	8.2	7.1	5.5	4.8	18.6	25.1	15.5	0.4	-8.6	-9.7	-6.8	-6.0	-4.6	Manufacture of plastic articles for the packing of goods
33.0	37.7	40.2	42.7	37.4	37.1	40.8	35.0	36.0	31.2	24.9	18.0	2.8	-3.7	4.1	4.4	10.6	5.0	Manufacture of builders' plastics ware
11.4	1.5	-1.2	-2.3	1.8	-2.6	7.7	15.5	21.2	20.1	21.7	14.4	4.9	1.6	-2.8	-0.6	-1.0	-0.5	Manufacture of plastic tableware, kitchenware and toilet articles
																		Manufacture of diverse plastic products n.e.c.
-3.2	-6.9	-9.4	-12.2	-14.2	-11.9	-13.4	-8.0	-5.7	6.0	12.9	9.5	10.3	8.6	8.1	27.1	31.2	26.2	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh															
		2020	2020				2021			2020	2021					
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	-1.0	2.0	-2.5	-1.6	-1.8	-3.6	4.0	-1.3	-0.8	-0.5	1.0	2.0	3.0	-6.0	-2.3
23911	Pembuatan mortar refraktori dan konkrit															
&																
23921	Pembuatan seramik bukan refraktori	-5.0	-4.4	-8.5	-1.1	-6.0	-16.4	-4.4	-8.3	-4.5	-10.8	-5.9	-1.6	-5.5	-13.6	-6.5
23930	Pembuatan produk porselin dan seramik lain	-1.8	-5.8	-10.6	2.2	7.6	6.5	3.6	-6.3	-2.7	-0.5	-6.0	-5.0	-6.3	-12.6	-10.9
23941	Pembuatan simen hidrolik	1.6	16.4	9.1	-7.2	-10.0	-11.4	-4.7	-1.7	2.5	-4.7	7.4	12.1	31.2	-5.3	15.6
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	-4.1	1.0	-7.1	-4.8	-5.5	-3.3	8.7	1.5	-4.2	2.5	-2.3	-1.2	6.5	-13.6	-2.6
23952	Pembuatan konkrit pratuangan, simen atau artikel batu															
&	buatan yang digunakan dalam pembinaan;															
23953	Pembuatan komponen struktur pasang siap untuk															
&	bangunan atau kejuruteraan awam dari simen, batu															
23959	atau konkrit buatan															
	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.															
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-5.7	9.5	-2.7	-8.5	-18.8	-14.7	-8.4	-1.5	-4.0	-6.5	12.3	15.7	1.6	-5.2	-9.2
	Industri lain	2.7	19.1	-4.0	-2.19	0.4	3.1	26.1	0.6	2.6	8.3	14.9	14.7	27.8	-5.6	-5.3
241 (24101 & 24102 & 24103 & 24104 & 24109)																
	Pembuatan besi dan keluli asas	-7.5	1.4	-9.1	-11.8	-10.5	-3.2	-0.5	-3.5	-7.2	-1.3	3.8	3.6	-3.3	-11.3	-5.9
242 (24201 & 24202 & 24209)																
	Pembuatan logam asas berharga dan logam bukan ferus lain	-6.7	5.4	-10.0	-12.9	-8.9	-5.7	9.8	6.4	-7.0	4.4	1.2	3.2	11.9	-10.6	-11.7
243	Pengacuan logam	-10.4	-3.3	-17.8	-10.5	-10.1	-0.4	11.5	-2.8	-10.6	2.4	2.7	-2.5	-10.3	-18.9	-17.3
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	-1.2	0.4	-5.6	-0.4	0.9	1.7	1.5	-6.7	-1.5	-1.5	-0.7	0.6	1.3	-11.3	-3.8
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap															
&	dan pintu pagar daripada logam															
25119	Pembuatan produk struktur logam lain	-1.5	0.4	-8.2	1.0	0.7	-3.7	-3.9	-18.7	-1.7	-10.2	-0.7	0.1	2.1	-15.8	-7.3
25120	Pembuatan tangki, takungan dan kontena daripada logam	2.9	0.5	-1.0	2.2	9.9	16.5	14.3	18.4	2.0	17.4	4.2	-0.9	-1.4	-5.8	1.1
	Industri lain	-8.3	-0.3	-3.2	-12.5	-17.0	-3.8	-2.8	-5.7	-7.6	-3.1	-9.4	6.0	3.9	-3.4	2.2
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	4.6	4.2	1.5	5.6	7.1	6.8	5.6	1.1	4.3	4.8	5.4	5.2	2.0	-2.2	2.8
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	8.2	-1.1	6.0	14.0	14.4	14.4	9.0	2.0	7.5	7.7	-3.2	-0.2	0.0	-1.2	7.4
25920	Rawatan dan penyalutan logam; menggunakan mesin	20.3	12.1	15.5	23.9	29.1	26.3	24.0	2.5	19.5	14.3	10.6	13.2	12.5	4.0	23.7
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	9.1	7.8	8.6	5.7	14.3	5.2	-3.8	-0.4	8.3	1.9	7.9	9.4	6.1	6.6	10.5
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam															
&																
25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	-7.4	-2.4	-12.9	-8.7	-5.8	1.1	3.8	9.6	-7.7	8.8	1.5	-1.9	-6.5	-15.4	-11.8
25994	Pembuatan barangan rumah daripada logam	-11.5	0.5	-14.9	-13.9	-17.6	-10.6	0.7	-10.8	-10.6	-8.1	4.8	4.4	-7.6	-15.2	-14.8
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	7.5	11.5	6.7	8.1	3.8	3.4	6.1	-0.02	8.0	2.6	13.8	11.4	9.3	-0.3	8.9
	Industri lain	3.6	2.2	-1.2	5.6	7.8	-4.1	-11.2	-17.8	3.0	-12.8	3.9	6.5	-3.9	14.3	-9.1
261	Pembuatan komponen dan papan elektronik	-1.0	4.6	-5.2	-4.0	0.1	-0.2	11.7	5.0	-0.9	5.4	6.2	6.2	1.4	-6.8	-5.3
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya															
&																
26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	-4.2	6.8	-8.1	-9.7	-6.6	-8.2	14.6	12.3	-3.4	5.8	8.5	7.9	3.9	-5.6	-9.9
26103	Pembuatan kapasitor dan perintang elektrik															
&																
26104	Pembuatan papan litar bercetak	5.1	-0.7	-0.9	6.9	15.4	19.5	9.2	-5.1	3.3	6.9	1.2	1.7	-5.0	-10.4	2.4
&																
26105	Pembuatan komponen paparan															
26109	Pembuatan komponen lain untuk aplikasi elektronik	8.5	5.1	10.0	9.8	9.0	5.6	-10.1	-19.7	8.8	-10.1	3.0	8.7	3.6	-2.1	12.6
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	5.9	3.4	4.6	6.1	9.7	5.1	8.5	13.8	4.8	10.1	1.5	2.2	6.4	1.8	7.2
263/ 26300	Pembuatan peralatan komunikasi	-13.8	0.5	-14.8	-18.1	-23.7	-29.5	-1.8	-1.1	-12.5	-8.6	-3.2	1.6	3.2	-2.2	-25.0
264/ 26400	Pembuatan peralatan elektronik pengguna	3.3	15.1	0.9	-2.7	1.6	-4.8	-5.6	-7.9	3.0	-4.6	12.1	16.9	16.5	6.8	-1.0
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-1.1	7.1	1.9	-6.3	-6.6	-3.5	2.5	9.6	-0.3	4.4	12.0	7.7	1.6	0.5	6.5
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan	0.0	9.5	3.5	-5.3	-6.4	-2.4	3.4	11.3	1.2	5.6	14.0	10.1	4.1	2.8	8.2
&																
26512	Pembuatan kelengkapan kawalan proses perindustrian															
26520	Pembuatan jam tangan dan jam dan bahagiannya	-10.3	-9.7	-9.8	-13.5	-8.0	-13.4	-5.3	-4.5	-11.4	-6.1	-3.0	-9.8	-16.2	-17.1	-6.2
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-4.6	3.6	1.3	-1.9	-20.1	0.4	19.0	17.7	-2.8	15.0	7.0	4.1	-0.2	-1.2	-0.5

2020		2021																Group Description/Period
Jun	Jul	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul	Ogo.	Sep.	Okt.	Nov.	
1.0	-1.4	-1.5	-1.7	-1.7	-1.2	-2.6	-3.0	-5.2	-2.5	9.2	5.9	-2.8	-2.3	-1.3	-0.3	0.0	-1.7	Manufacture of non-metallic mineral products
																		Manufacture of refractory mortars and concretes
-5.2	-3.9	-0.4	1.1	-4.3	-3.2	-10.2	-14.7	-21.4	-13.1	0.5	-5.0	-8.4	-6.6	-7.8	-10.5	-7.1	-21.8	Manufacture of non-refractory ceramic
-8.3	0.2	3.8	2.7	2.8	11.7	8.4	20.8	-1.9	1.6	0.8	8.1	1.8	-7.9	-3.3	-7.6	-1.7	-12.6	Manufacture of other porcelain and ceramic products
17.5	-2.9	-3.0	-15.2	-15.9	-7.7	-6.6	-9.2	-11.0	-13.9	10.0	-7.4	-14.3	-4.4	-5.2	4.9	4.3	1.4	Manufacture of hydraulic cement
-5.2	-3.9	-5.7	-4.8	-7.8	-5.8	-3.1	-1.8	-5.4	-2.9	14.9	6.2	5.6	2.5	0.8	1.1	3.7	5.1	Manufacture of ready-mix and dry-mix concrete and mortars
																		Manufacture of precast concrete, cement or artificial stone articles for use in construction
2.2	3.3	4.7	4.9	7.9	16.6	8.6	4.1	3.3	8.7	9.3	10.6	-1.1	-0.4	-0.2	0.2	-2.0	-2.0	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone
																		Manufacture of other articles of concrete, cement and plaster n.e.c.
6.5	-5.6	-12.3	-7.4	-5.6	-27.5	-20.4	-15.9	-13.4	-14.8	-12.3	2.0	-13.7	-6.4	1.2	0.9	1.7	5.3	Manufacture of other non-metallic mineral products n.e.c.
-1.3	-3.3	0.0	-3.2	-2.2	-0.6	4.0	3.5	3.5	2.4	49.2	21.4	9.6	-2.9	-0.8	5.7	3.7	3.9	Other industry
-10.1	-12.0	-11.8	-11.5	-10.6	-10.1	-10.7	-5.7	-6.9	3.7	8.1	-3.8	-5.2	-6.8	-6.3	2.5	2.9	5.2	Manufacture of basic iron and steel
-7.7	-13.2	-13.3	-12.3	-10.9	-12.4	-3.7	-3.2	-4.9	-8.7	8.3	14.3	7.0	5.7	4.1	9.6	11.2	10.6	Manufacture of basic precious and other non-ferrous metals
-17.4	-11.6	-10.9	-9.1	-10.7	-11.0	-8.8	-8.3	-3.0	11.8	16.3	10.3	7.9	-5.4	-3.5	0.3	1.9	3.6	Casting of metals
-1.6	-0.5	-0.3	-0.3	-1.3	1.7	2.3	2.3	-0.9	3.8	10.9	2.3	-7.7	-6.9	-9.4	-3.6	-1.2	-4.3	Manufacture of structural metal products, tanks, reservoirs, steam generators, weapons and ammunition
-1.7	1.3	0.8	1.0	1.0	0.2	1.0	-1.2	-7.8	-2.1	11.2	-1.8	-18.7	-19.4	-20.8	-15.9	-14.7	-16.4	Manufacture of metal doors, windows and their frames, shutters and gates
																		Manufacture of other structural metal products
1.8	1.3	2.3	2.9	1.6	15.2	13.4	13.7	16.8	18.8	16.0	14.8	12.1	19.4	14.4	21.5	25.3	17.8	Manufacture of tanks, reservoirs and containers of metal
-8.5	-12.9	-11.4	-13.2	-17.8	-18.1	-15.0	-4.4	-5.7	-1.2	-0.6	-6.6	-0.9	-6.1	-8.5	-2.4	2.8	0.8	Other industry
3.8	5.9	5.1	5.8	6.3	7.1	7.8	8.5	5.5	6.3	8.7	6.0	2.3	-2.5	-1.2	6.8	6.5	6.4	Manufacture of other fabricated metal products; metal working service activities
11.9	14.9	12.2	15.1	13.6	13.9	15.5	20.7	11.1	11.7	15.4	8.3	4.0	2.0	2.1	2.0	5.2	5.1	Forging, pressing, stamping and roll-forming of metal; powder metallurgy
19.3	23.5	23.3	24.9	25.6	34.2	27.7	26.0	27.4	25.5	31.6	24.3	17.1	1.7	1.7	4.1	4.4	1.2	Treatment and coating of metals; machining
8.7	5.7	5.3	6.0	4.3	20.3	18.3	10.2	9.3	-3.9	0.9	-7.3	-4.9	-6.7	-2.9	8.4	11.5	5.3	Manufacture of tins and cans for food products, collapsible tubes and boxes
																		Manufacture of metal cable, plaited bands and similar articles
-11.4	-6.9	-10.3	-9.0	-4.7	-8.5	-4.2	-1.5	1.1	3.6	5.3	3.9	2.2	-2.3	0.3	31.0	24.0	30.5	Manufacture of bolts, screws, nuts and similar threaded products
-14.7	-14.4	-13.6	-13.9	-16.3	-14.9	-21.5	-16.5	-12.8	-1.3	5.3	5.4	-8.5	-7.9	-10.8	-13.7	-11.0	-15.5	Manufacture of metal household articles
11.6	7.7	8.9	7.8	6.5	3.2	1.9	3.7	2.0	4.6	14.0	5.3	-0.4	-1.9	0.8	1.1	1.0	0.1	Manufacture of any other fabricated metal products n.e.c.
-10.0	3.8	7.2	6.0	7.6	5.6	10.3	5.9	-13.5	-4.9	-25.2	-0.5	-3.1	-14.9	-18.2	-20.3	-20.3	-18.8	Other industry
-3.5	-6.6	-5.3	0.0	1.2	1.8	-2.2	-3.5	2.1	0.7	12.1	11.2	11.9	6.6	6.1	2.4	4.8	7.8	Manufacture of electronic components and boards
-8.9	-13.5	-11.7	-3.7	-4.1	-2.1	-12.4	-11.7	-7.3	-5.6	8.1	14.4	21.5	13.9	15.4	7.7	7.7	10.7	Manufacture of diodes, transistors and similar semiconductor devices
																		Manufacture of electronic integrated circuits micro assemblies
																		Manufacture of electrical capacitors and resistors
5.6	6.9	6.9	6.9	12.4	8.7	24.9	15.1	26.2	17.1	23.1	8.2	-1.9	-2.9	-7.5	-4.8	2.4	6.1	Manufacture of printed circuit boards
																		Manufacture of display components
20.1	9.5	10.9	9.1	8.0	14.4	5.1	11.3	3.5	2.1	1.0	-9.7	-20.2	-20.3	-20.6	-18.3	-16.8	-17.2	Manufacture of other components for electronic applications
5.2	10.9	6.6	0.8	6.4	4.6	17.4	6.9	7.0	1.5	4.8	8.2	12.7	3.6	7.3	31.8	20.6	9.7	Manufacture of computers and peripheral equipment
-17.9	-18.5	-17.5	-18.2	-21.3	-21.5	-28.6	-25.8	-34.6	-27.9	-10.6	3.2	4.9	-4.8	0.6	0.9	1.6	20.1	Manufacture of communication equipment
-2.5	-4.5	-3.6	-0.1	0.6	-2.0	6.2	5.8	-12.3	-8.2	-2.8	-3.8	-10.1	-14.9	-6.7	-2.5	1.5	3.1	Manufacture of consumer electronics
-1.0	-4.1	-6.8	-7.9	-6.2	-4.1	-8.9	-5.8	-7.7	3.5	4.9	2.9	-0.3	5.0	10.9	13.0	8.5	16.9	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
-0.3	-2.8	-5.9	-7.2	-5.3	-3.1	-10.0	-4.2	-7.1	4.8	5.1	4.3	0.8	6.4	12.8	14.8	9.7	18.0	Manufacture of measuring, testing, navigating and control equipment
-6.2	-13.2	-13.6	-13.8	-13.8	-12.3	2.7	-20.0	-12.2	-7.3	3.4	-8.3	-9.6	-6.0	-4.8	-2.7	-2.2	6.9	Manufacture of watches and clocks and parts
5.6	0.4	0.0	-5.8	-21.0	-15.6	-23.8	-8.8	-4.7	15.0	17.0	19.1	20.7	20.4	17.5	15.1	28.7	30.0	Manufacture of irradiation, electromedical and electrotherapeutic equipment

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020	2020				2021			2020	2021					
			Q1	Q2	Q3	Q4	Q1	Q2	Q3	(Jan. - Nov.)	(Jan. - Nov.)	Jan.	Feb.	Mac	Apr.	Mei
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	-3.6	-9.8	-6.8	-2.4	6.3	2.6	-1.8	-2.9	-4.6	-0.3	-11.6	-8.2	-9.8	-18.8	-1.2
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	0.4	1.5	-4.3	-0.2	4.6	-0.3	-5.5	-0.9	0.01	-1.3	3.6	5.0	-4.2	-12.1	-2.3
27101	Pembuatan motor elektrik, penjana dan transformer	-5.8	4.9	-11.8	-9.5	-6.7	-16.8	6.6	11.2	-5.8	2.0	10.2	11.2	-6.7	-20.1	-10.3
27102	Pembuatan perkakasan pengagihan dan pengawalan	3.8	-0.3	-0.2	5.2	10.7	8.8	-11.4	-6.9	3.2	-2.9	0.2	1.8	-2.8	-7.7	2.2
272/ 27200	Pembuatan bateri dan akumulator	4.6	3.8	1.3	6.4	7.0	-3.9	1.2	9.7	4.3	3.4	12.2	1.1	-1.4	-6.6	5.4
273	Pembuatan pendawaian dan peranti pendawaian	-0.1	-2.2	-9.3	4.9	6.6	7.1	19.7	13.2	-0.8	13.4	-2.6	0.4	-4.5	-19.7	-8.6
27310	Pembuatan kabel gentian optikal	-2.8	0.2	-4.2	-1.3	-5.7	-30.1	-20.7	0.7	-2.6	-6.1	1.5	1.4	-2.4	-11.0	-0.1
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	0.4	-2.6	-9.6	5.9	8.5	10.7	24.3	14.3	-0.5	15.4	-3.3	0.2	-4.6	-20.5	-8.7
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-5.4	0.3	-11.2	-3.0	-7.5	-3.4	6.5	12.5	-4.6	6.8	4.2	1.1	-4.0	-18.1	-19.3
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	5.4	13.6	12.3	-1.5	-1.1	21.5	33.5	60.4	6.0	42.2	19.9	9.6	11.3	10.2	23.6
275/ 27500	Pembuatan perkakasan domestik	11.1	2.8	3.7	23.2	16.0	6.4	-8.3	-28.8	11.2	-15.4	3.4	5.2	-0.2	-11.1	2.8
279/ 27900	Pembuatan kelengkapan elektrik lain	2.1	-0.9	-2.5	6.1	5.9	2.0	4.3	3.3	1.5	3.6	0.9	0.4	-4.0	-7.0	-2.0
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-1.2	4.1	-6.7	-3.7	1.5	4.4	5.8	0.2	-1.7	3.2	6.6	6.9	-1.2	-9.2	-6.2
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-11.2	-18.5	-17.4	-13.3	5.5	7.8	0.2	-0.4	-14.3	0.7	-36.8	-8.7	-9.3	-21.7	-17.3
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	5.3	3.3	-8.8	5.3	21.8	26.3	21.2	5.4	3.0	16.3	6.6	3.5	-0.1	-8.6	-9.0
28192	Pembuatan jentera pembentukan logam dan alatan mesin	10.2	6.2	6.9	14.1	14.2	1.0	-6.2	-1.3	10.2	-1.7	7.9	6.3	4.3	-4.4	2.7
28290	Pembuatan mesin penyaman udara, termasuk untuk kenderaan bermotor	-19.8	-1.0	-29.5	-24.2	-24.1	-12.7	17.2	0.5	-20.0	0.2	6.3	7.9	-18.7	-24.9	-32.8
	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	1.2	11.1	0.2	-4.1	-1.6	2.2	2.3	-1.7	1.8	0.7	16.8	12.1	4.6	-2.2	4.8
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-12.2	-0.1	-21.0	-11.0	-16.2	-10.8	11.2	-1.1	-12.2	1.8	4.5	-0.2	-4.2	-23.0	-24.3
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	-14.0	1.2	-20.8	-20.0	-15.7	-10.1	13.6	15.5	-14.1	7.8	0.6	2.3	0.8	-24.2	-19.6
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	-6.7	-1.3	-14.0	-11.3	0.1	-6.0	5.1	-3.8	-7.1	-2.3	-0.9	1.8	-4.7	-13.6	-17.0
301 (30110 & 30120)	Pembinaan kapal dan bot	-7.6	-1.9	-13.8	-7.7	-7.0	0.5	1.0	-11.8	-7.7	-4.6	1.5	1.1	-8.1	-16.6	-13.9
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.	-14.5	2.6	-19.9	-21.4	-18.8	-12.3	10.5	4.0	-14.1	0.9	1.1	3.5	3.2	-17.1	-20.1
30910	Pembuatan motosikal	-13.5	-1.5	-19.7	-18.6	-14.3	-4.5	19.1	13.3	-13.5	10.3	-2.0	-0.4	-2.2	-15.2	-20.8
30920	Pembuatan basikal dan invalid carriages	0.1	6.6	-7.9	0.3	1.7	5.6	8.4	-11.1	-0.2	-2.0	1.6	8.9	9.5	-21.0	-5.2
	Industri lain	-22.9	8.2	-26.2	-36.1	-35.1	-33.3	-5.1	-4.7	-21.7	-15.2	6.4	8.1	10.2	-18.8	-26.4
310	Pembuatan perabot	1.2	3.1	-4.7	3.7	2.8	3.4	4.6	-3.3	1.1	2.1	4.6	4.1	0.6	-11.0	-4.1
31001	Pembuatan perabot kayu dan rotan	3.9	3.7	-1.8	6.2	7.4	5.8	4.4	-1.7	3.5	3.5	4.7	4.5	2.1	-7.4	-2.1
	Industri lain	-6.1	1.3	-12.5	-3.4	-9.7	-3.5	5.4	-8.3	-5.7	-2.0	4.3	3.0	-3.4	-20.9	-9.8
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	4.0	11.1	-4.8	4.0	6.1	8.6	8.0	-5.9	3.2	2.7	13.6	11.9	7.7	-6.9	-6.8
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	4.1	3.5	4.0	2.8	6.0	10.2	8.7	7.5	3.8	8.2	7.6	6.3	-3.1	-1.6	6.3
32901	Pembuatan alat tulis	-10.8	-2.8	-5.8	-13.7	-20.5	-11.1	-1.8	6.2	-9.0	-0.7	6.7	-1.4	-13.3	-15.6	2.3
	Industri lain	9.4	5.8	7.3	8.4	15.9	17.4	11.9	7.8	8.4	10.8	8.0	9.3	0.6	3.5	7.7
323/ 32300	Pembuatan barangan sukan	1.1	3.0	-5.0	6.0	0.3	11.3	13.6	0.5	1.1	7.3	2.8	6.7	-0.5	-9.7	-8.1
324/ 32400	Pembuatan permainan dan mainan	4.3	7.6	10.8	20.6	-15.9	-27.3	-22.0	9.6	7.6	-3.8	2.8	9.0	11.1	17.8	-7.0
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-7.2	3.3	-11.7	-11.7	-8.3	-3.9	4.4	1.7	-7.3	1.4	6.4	4.8	-1.1	-7.1	-13.9
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	-6.9	-0.4	-6.2	-13.3	-7.7	-7.6	-10.9	-2.7	-7.0	-6.3	0.2	1.0	-2.3	15.1	-14.8
	Industri lain	-7.3	4.5	-13.4	-11.3	-8.5	-2.8	9.4	3.0	-7.4	3.7	8.3	6.0	-0.7	-13.8	-13.6
Jumlah Pembuatan		-1.1	3.4	-4.0	-2.7	-1.3	-0.6	6.0	2.3	-1.2	2.8	4.1	4.4	1.8	-6.2	-3.9

2020						2021												Group Description/Period					
Jun	Jul	Ogo	Sep	Okt	Nov	Dis	Jan	Feb	Mac	Apr	Mei	Jun	Jul	Ogo	Sep	Okt	Nov						
-0.1	-8.7	-3.6	5.6	2.2	8.8	8.2	4.4	-0.9	4.3	11.1	-7.2	-7.3	-4.5	-0.9	-3.2	-0.4	2.4	Manufacture of optical instruments, photographic equipment, magnetic and optical media					
1.7	-1.5	-1.3	2.4	4.6	4.7	4.4	1.2	-1.5	-0.7	-7.9	-5.7	-3.0	-3.2	-1.4	1.9	1.9	3.4	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus					
-4.6	-8.8	-10.8	-8.8	-6.4	-7.3	-6.3	-16.3	-22.6	-10.6	7.7	3.1	9.2	8.8	11.8	13.0	13.4	12.9	Manufacture of electric motors, generators and transformers					
5.2	2.6	4.2	9.0	10.9	11.8	9.6	11.3	10.5	4.3	-15.3	-9.9	-9.2	-9.3	-8.0	-3.6	-3.7	-1.1	Manufacture of electricity distribution and control apparatus					
5.0	3.9	7.7	7.6	7.0	5.3	8.8	6.1	-12.0	-5.9	-3.7	1.3	5.4	3.8	14.8	10.6	10.6	3.7	Manufacture of batteries and accumulators					
0.9	3.6	4.6	6.4	7.1	5.2	7.4	10.3	7.5	3.3	27.9	18.0	14.7	11.4	10.9	17.1	15.5	14.2	Manufacture of wiring and wiring devices					
-1.6	-0.1	0.7	-4.6	-5.0	-7.7	-4.7	-34.1	-30.0	-25.9	-21.7	-21.5	-19.2	-19.3	-15.1	37.3	37.0	48.5	Manufacture of fibre optic cables					
0.9	4.2	5.4	8.0	8.9	6.9	9.6	14.7	11.0	6.2	33.7	22.5	18.1	14.3	12.9	15.6	13.8	11.3	Manufacture of other electronic and electric wires and cables					
5.7	-0.7	-3.9	-4.4	-5.0	-3.6	-13.5	-3.6	-0.7	-5.8	5.1	1.7	12.1	9.5	17.4	10.8	14.1	14.8	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material					
3.6	-0.8	-1.0	-2.6	-2.2	-0.7	-0.4	20.4	21.4	22.7	24.3	17.8	60.3	57.9	60.1	63.4	61.2	59.0	Manufacture of electric lighting equipment					
20.1	26.6	20.7	22.4	19.9	18.8	10.1	3.9	3.4	12.5	-6.4	0.6	-17.4	-21.6	-27.5	-37.3	-36.0	-36.3	Manufacture of domestic appliances					
1.7	5.3	8.7	4.5	2.5	6.6	8.6	7.6	1.8	-3.3	5.9	5.5	1.3	-1.2	1.9	9.2	4.5	6.6	Manufacture of other electrical equipment					
-4.7	-5.1	-4.4	-1.6	0.1	0.5	3.7	3.9	4.0	5.2	10.0	7.6	0.03	-1.9	1.7	0.8	1.1	3.2	Manufacture of general-purpose and special-purpose machinery					
																		Manufacture of fluid power equipment					
-12.9	-16.2	-13.9	-9.7	-7.1	-1.7	25.9	36.3	-4.1	-0.8	6.7	-1.5	-4.4	-1.9	1.8	-1.2	-5.9	-7.9	Manufacture of other pumps, compressors, taps and valves					
																		Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives					
-8.9	-1.4	0.5	17.8	17.9	16.8	30.4	28.4	31.4	18.9	23.7	23.9	16.1	5.1	5.4	5.6	9.6	16.6	Manufacture of metal-forming machinery and machine tools					
22.1	9.9	15.8	17.0	20.8	12.1	10.1	0.7	0.2	2.2	-0.8	0.7	-16.1	-7.6	4.8	-0.9	-3.5	4.9	Manufacture of air-conditioning machines, including for motor vehicles					
-31.0	-24.2	-25.1	-23.3	-26.3	-28.4	-17.6	-17.5	-20.9	6.0	14.9	18.7	18.4	0.1	0.6	0.8	1.2	2.0	Manufacture of other special-purpose machinery					
-1.7	-2.6	-3.6	-6.1	-1.9	2.3	-4.7	-1.1	6.1	1.8	7.5	2.7	-2.9	-3.3	-1.0	-0.6	0.2	-1.2	Other industry					
-15.8	-14.9	-12.0	-5.9	-17.9	-19.4	-11.7	-10.7	-8.5	-13.4	15.1	19.6	0.2	2.0	-4.5	-0.5	14.6	16.6	Manufacture of motor vehicles					
-18.5	-20.9	-21.8	-17.1	-17.3	-16.3	-13.5	-14.9	-14.3	-0.8	17.6	16.7	6.7	11.9	14.6	19.9	20.7	18.4	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers					
-11.3	-13.6	-13.4	-6.6	-0.3	2.4	-1.7	-6.9	-7.4	-3.7	7.4	7.3	0.5	-6.3	-4.1	-1.2	-3.4	-5.1	Manufacture of parts and accessories for motor vehicles					
-11.0	-7.2	-8.4	-7.5	-9.8	-4.3	-6.9	-11.6	-6.6	21.6	11.6	-1.0	-6.8	-12.0	-12.9	-10.3	-8.0	-11.8	Building of ships and boats					
-22.3	-21.5	-23.2	-19.6	-19.8	-18.5	-18.0	-13.1	-13.8	-10.1	13.8	13.9	3.9	2.5	3.3	6.0	7.5	6.4	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c					
-22.8	-20.9	-20.7	-14.3	-14.6	-15.0	-13.4	-6.8	-7.8	1.0	19.2	21.9	16.1	16.1	10.5	13.3	17.8	21.3	Manufacture of motorcycles					
2.4	0.4	-0.7	1.2	-2.7	3.7	4.1	11.1	0.05	6.3	36.1	8.5	-13.1	-21.1	-3.4	-8.8	-6.1	-20.3	Manufacture of bicycles and invalid carriages					
-32.5	-32.7	-37.7	-37.8	-35.7	-34.3	-35.2	-33.8	-30.8	-35.3	-7.7	1.2	-8.5	-8.0	-6.8	1.0	-4.4	-4.9	Other industry					
1.1	3.3	2.9	4.9	2.8	2.7	3.1	3.2	3.4	3.6	13.4	5.5	-3.9	-8.2	-7.1	5.2	4.4	5.7	Manufacture of furniture					
3.9	5.9	5.4	7.3	6.6	7.4	8.2	6.2	6.7	4.6	11.6	6.0	-3.5	-7.2	-6.5	8.4	6.2	7.0	Manufacture of wooden and cane furniture					
-6.8	-4.0	-4.1	-2.1	-8.0	-10.3	-10.7	-5.2	-5.6	0.8	19.2	4.0	-5.2	-11.3	-8.9	-4.6	-1.5	1.4	Other industry					
-0.8	1.2	3.8	7.2	6.0	0.0	12.2	10.7	9.5	5.6	16.0	8.8	-0.2	-6.4	-10.0	-1.4	-1.0	0.2	Manufacture of jewellery, bijouterie and related articles					
7.2	3.0	3.7	1.6	5.6	5.8	6.4	8.2	9.6	12.7	15.0	6.0	5.6	6.2	6.7	9.6	5.4	5.6	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.					
-3.4	-12.8	-13.4	-15.0	-16.3	-16.5	-27.2	-15.7	-15.0	-1.2	6.2	-7.5	-3.3	3.1	5.9	9.8	9.7	9.0	Manufacture of stationery					
10.7	8.4	9.5	7.3	13.3	13.8	20.7	16.9	18.4	17.0	17.6	10.4	8.1	7.1	7.0	9.5	4.3	4.8	Other industry					
2.8	3.5	7.1	7.4	0.9	-0.6	0.7	9.5	7.7	17.3	19.9	19.4	2.7	-3.8	-0.2	5.2	5.8	1.2	Manufacture of sports goods					
21.8	12.5	17.9	32.0	-13.8	-13.0	-19.5	-25.5	-26.7	-29.6	-35.5	-14.2	-13.8	1.2	16.6	10.6	44.2	46.5	Manufacture of games and toys					
-14.2	-11.7	-12.8	-10.7	-9.2	-9.3	-6.5	-6.2	-5.5	0.2	5.0	7.1	1.1	0.4	1.1	3.7	3.7	6.5	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment					
-18.8	-14.1	-14.4	-11.3	-11.6	-5.6	-5.9	-9.0	-8.4	-5.5	-23.0	-1.8	-3.3	-3.2	-3.5	-1.3	-2.2	-1.6	Repair and maintenance of transport equipment except motorcycles and bicycles					
-12.7	-11.0	-12.3	-10.5	-8.5	-10.3	-6.6	-5.4	-4.6	1.9	16.3	9.7	2.3	1.4	2.4	5.1	5.3	8.9	Other industry					
-2.0	-3.2	-3.2	-1.7	-1.5	-1.3	-1.1	-1.4	-1.3	0.8	8.2	6.4	3.5	1.5	1.7	3.6	4.4	4.8	Total Manufacturing					

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

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Jan.	Feb.	Mac	Apr.	Mei	Jun
101	Pemprosesan dan pengawetan daging	-0.3	-11.4	-1.4	8.4	0.7	0.4	-2.3	-2.6	2.1	-1.3	-9.4	-2.3	-1.4
102	Pemprosesan dan pengawetan ikan, krustasea dan moluska	2.4	-3.2	8.4	1.4	1.1	-1.7	-2.0	0.1	-2.5	-0.1	-3.9	2.5	-0.2
10201	Pengetinan ikan, krustasea dan moluska													
10202	Pemprosesan dan pengawetan ikan, krustasea dan moluska	5.8	-1.7	6.6	2.8	0.5	-1.2	-3.8	2.0	-1.1	0.04	-3.4	3.4	-0.7
	Industri lain	-10.0	-9.3	16.3	-4.4	3.6	-4.1	5.8	-7.0	-7.8	-0.6	-6.2	-1.5	2.4
103	Pemprosesan dan pengawetan buah-buahan dan sayur - sayuran	8.9	4.8	-3.3	1.8	6.4	0.5	-4.8	9.2	-6.1	-1.2	13.8	-6.2	-3.4
10303	Pengetinan nanas													
10304	Pembuatan jem, marmalad dan sajian jeli	3.1	7.0	6.7	-2.9	1.7	-1.9	-31.1	-5.8	13.6	-7.4	-3.2	17.7	-0.2
	Industri lain	9.6	4.6	-4.5	2.4	6.9	0.8	-1.8	11.0	-8.0	-0.4	15.8	-8.5	-3.8
104	Pembuatan minyak dan lemak daripada sayuran dan haiwan	2.6	-2.4	-0.8	-0.2	-0.6	1.4	-0.8	-0.2	-0.2	-2.5	1.2	-1.7	-2.3
10404	Pembuatan minyak sayuran mentah dan bertapis													
10406	Pembuatan sebatian lemak masakan	1.0	-11.7	7.5	2.3	3.1	0.4	-0.1	2.2	0.3	-4.0	-14.2	6.8	3.1
10405	Pembuatan minyak kelapa	-0.1	-15.1	-4.1	-3.4	3.1	-6.1	-20.1	0.03	-2.1	1.1	-17.4	4.8	-1.0
	Industri lain	2.9	-0.9	-1.3	-0.3	-1.1	1.8	-0.1	-0.5	-0.1	-2.6	3.5	-2.6	-2.7
105	Pembuatan produk tenusu	9.2	-7.2	-5.9	16.1	1.9	3.2	-2.3	3.0	-0.6	-4.1	-1.2	-1.3	-6.8
10502	Pembuatan susu pekat, tepung dan sejat	9.3	-8.3	-6.1	18.4	2.3	2.8	-1.4	1.6	0.6	-4.8	-2.1	-1.2	-8.0
	Industri lain	8.3	0.5	-4.9	2.3	-1.3	5.3	-7.8	12.9	-7.6	0.3	4.4	-2.2	0.7
106	Pembuatan produk bijian, kanji dan produk berkanji	2.2	-9.4	8.0	2.5	3.3	-2.2	0.5	-1.2	5.4	-1.8	-6.2	-3.6	-4.6
10611	Pengilangan beras	8.9	-3.2	-2.3	-0.8	4.8	-2.8	3.3	5.0	6.4	-3.0	0.5	-4.0	-3.2
10613	Pengilangan tepung	-4.6	-17.4	24.3	6.1	0.6	-1.9	-1.6	-7.8	5.6	-1.0	-14.5	-4.0	-5.7
	Industri lain	1.6	-4.4	-4.0	1.7	12.4	0.2	-4.7	-0.1	-2.8	2.1	-3.2	1.7	-8.3
107	Pembuatan produk makanan lain	-1.1	-0.2	-1.3	-3.7	4.2	0.8	0.6	-3.4	-0.5	-0.5	-0.6	1.3	0.2
10711	Pembuatan biskut dan cookies	-2.7	3.4	2.4	0.4	-1.1	-1.5	7.2	-1.3	-2.0	-1.9	4.2	0.4	2.8
10712	Pembuatan roti, kek dan produk bakeri lain	-0.5	-0.4	-4.1	-4.7	-3.6	2.3	0.9	-3.0	-0.1	-0.7	3.2	-3.5	-2.0
10713	Pembuatan produk snek	-2.2	-2.9	-2.6	0.3	7.0	4.4	-2.9	-0.2	-3.4	-3.3	-1.6	2.7	1.0
10721	Pembuatan gula	-18.0	-17.9	-15.0	1.5	3.7	-4.4	1.7	-17.5	-4.1	-16.2	-6.5	-2.7	7.8
10731	Pembuatan produk koko	-9.5	3.4	-12.6	-28.1	6.3	13.9	-6.1	-14.2	-3.5	-3.9	10.0	6.3	-18.3
10732	Pembuatan coklat dan produk coklat													
10733	Pembuatan konfeksi gula	-3.0	-3.9	-6.6	-4.5	6.2	0.9	-2.4	-3.7	2.9	-0.1	-3.8	0.3	-3.8
10793	Pembuatan sos dan bahan perasa	-0.8	-2.1	1.5	-6.9	6.2	-2.5	6.5	-10.3	0.3	12.1	-11.6	2.3	3.4
10799	Pembuatan produk makanan lain t.t.t.l.	0.2	2.0	4.9	-2.9	12.8	3.7	-1.9	-5.4	-0.1	-2.3	-0.5	3.7	4.9
	Industri lain	2.4	2.3	2.1	-1.5	8.4	-1.0	-0.5	1.7	-0.8	-1.3	-0.9	5.5	2.0
108/ 10800	Pembuatan makanan haiwan tersedia	3.6	-7.2	-0.2	6.7	-1.0	-0.6	1.6	-7.4	-5.9	-8.4	1.5	-0.2	-2.2
110	Pembuatan minuman ringan	-3.5	-22.7	1.7	9.3	-3.0	-7.3	-1.1	-3.3	-1.5	-8.1	-12.7	-6.8	-3.8
11041	Pembuatan minuman ringan	-0.2	-20.3	3.1	11.4	-6.3	-5.9	0.6	-2.1	0.3	-3.2	-15.0	-4.2	-4.7
11042	Pengeluaran air mineral semulajadi dan minuman lain yang dibotolkan	-12.1	-25.6	4.2	3.6	7.9	-5.2	-4.0	-8.0	-4.7	-23.0	-7.8	-2.3	0.4
	Industri lain	-0.3	-29.5	-12.5	8.3	-5.6	-23.8	-5.8	2.1	-4.1	-1.3	-8.8	-28.4	-7.9
120/ 12000	Pembuatan produk tembakau	-8.8	-41.3	13.0	22.6	-0.1	-15.7	-1.5	-24.5	2.7	-2.5	-40.7	0.6	-1.6
131	Pemintalan, penenunan dan penyiapan tekstil	-2.2	-11.9	5.2	0.8	-2.0	-1.7	-2.7	-1.6	-1.9	-3.0	-12.1	2.0	4.7
13110	Penyediaan dan pemintalan gentian tekstil													
13120	Penenunan tekstil	-2.6	-12.4	11.2	-0.02	-1.3	-0.9	-4.6	-1.9	-1.4	-4.2	-11.3	-0.2	6.6
13132	Pewarnaan, pelunturan, percetakan dan penyiapan akhir benang dan fabrik	-1.0	-7.6	-10.2	2.9	-3.5	-3.0	2.0	-1.1	-3.4	0.1	-8.6	5.7	-4.3
	Industri lain	-5.1	-52.4	98.3	-1.6	-1.1	-6.9	-3.8	-0.9	1.4	-9.4	-76.7	25.8	239.6
139	Pembuatan tekstil lain	-1.0	-5.8	7.6	-1.3	-1.2	-0.5	1.6	-1.6	-6.1	1.7	-15.2	14.8	6.1
13910	Pembuatan fabrik dikait dan dikrusye	-10.4	-13.3	10.9	-3.2	-8.8	3.7	4.1	-12.6	-8.9	-1.2	-25.5	27.9	6.2
	Industri lain	5.7	-1.2	5.9	-0.3	2.9	-2.4	0.4	6.8	-4.2	3.5	-9.2	8.6	6.0
141	Pembuatan pakaian, kecuali pakaian berbulu	-4.3	-18.5	-5.7	-0.3	-4.7	-7.6	-0.9	-4.9	-6.1	0.3	-19.5	6.5	-3.1
14102	Pembuatan pakaian	-5.4	-21.9	-10.2	-1.5	-6.1	-7.3	3.6	-7.8	-4.7	1.0	-22.0	4.7	-5.9
	Industri lain	-0.5	-7.3	6.7	2.4	-1.4	-8.4	-10.5	5.3	-10.5	-1.9	-11.0	12.0	4.6
142 & 143	Pembuatan artikel daripada kulit bulu dan pakaian yang dikait dan dikrusye	1.6	-17.4	-4.8	2.2	-3.7	-3.6	-13.0	8.3	-0.6	-11.9	-8.6	-3.1	2.3
151 (15110 & 15120)	Penyamakan dan pembersihan kulit, pembuatan bagasi, beg tangan, pelana dan abah-abah pembersihan dan pewarnaan bulu	-15.9	-24.0	12.6	7.2	-2.0	-3.4	-4.3	-3.1	-24.4	-0.3	-16.8	-2.8	10.3
152	Pembuatan kasut	10.6	-23.0	2.1	7.2	2.3	-6.7	-4.5	0.6	16.2	-1.4	-28.8	-0.8	13.8
15201	Pembuatan kasut kulit													
15203	Pembuatan kasut getah	19.6	-24.5	3.7	8.0	1.4	-7.2	-4.3	-0.4	31.5	-1.3	-33.9	-0.6	19.2
	Industri lain	-6.9	-19.2	-1.6	5.1	4.6	-5.3	-4.9	2.4	-12.5	-1.6	-14.3	-1.2	2.1
161/ 16100	Pengilangan dan pengetaman kayu	-1.1	-7.7	16.0	3.6	-7.5	-6.2	4.5	-2.2	2.1	-2.1	-18.3	14.2	11.7

2020						2021											Group Description/Period				
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.					
-0.7	-0.04	3.3	-1.0	10.6	0.2	-0.7	-3.9	1.8	1.5	-0.4	-2.0	-1.4	0.3	1.2	-0.9	9.1	Processing and preserving of meat				
7.3	1.0	-1.0	2.0	-0.2	-0.3	4.4	-5.0	1.2	-0.9	1.1	-2.1	1.1	-3.3	0.6	-0.1	-0.9	Processing and preserving of fish, crustaceans and molluscs Canning of fish, crustaceans and molluscs				
5.6	0.8	-0.6	3.0	-0.1	-0.1	3.2	-4.2	0.9	-0.6	1.5	-2.1	-0.6	-4.5	2.2	-0.5	-1.0	Processing, curing and preserving of fish, crustacean and molluscs				
14.8	1.8	-2.9	-2.3	-0.6	-1.1	9.6	-8.2	2.9	-2.0	-0.5	-2.4	8.6	1.8	-6.0	1.5	-0.7	Other industry				
0.6	1.3	-0.7	0.6	0.6	2.3	5.4	-1.6	1.0	0.4	-0.01	0.1	-0.5	-6.9	0.8	-1.0	0.1	Processing and preserving of fruits and vegetable				
6.3	-3.5	-6.7	-0.7	-1.0	13.2	-2.7	0.2	-10.2	0.7	5.7	2.6	-1.4	-49.0	0.7	0.1	-3.2	Pineapple canning				
-0.2	1.9	0.1	0.8	0.8	1.0	6.4	-1.8	2.3	0.4	-0.6	-0.2	-0.4	-2.1	0.8	-1.1	0.4	Manufacture of jams, marmalades and table jellies				
-0.4	0.6	3.7	-3.9	-2.3	8.0	-5.3	-0.2	1.9	1.3	-1.0	-1.3	4.3	-10.2	10.2	-0.2	-1.9	Manufacture of vegetable and animal oils and fats				
2.9	-0.2	1.1	1.6	-0.4	0.7	2.7	-0.4	0.9	0.8	-1.1	-0.2	-1.3	3.0	-0.8	0.1	-0.9	Manufacture of crude and refined vegetable oil				
-3.2	0.5	-6.4	-0.8	0.5	3.8	-0.3	-0.3	2.9	-0.8	-0.3	-20.8	-7.9	0.3	5.5	-3.5	0.4	Manufacture of compound cooking fats				
-0.5	0.7	4.4	-4.4	-2.6	8.8	-6.1	-0.2	1.9	1.4	-1.0	-0.5	5.2	-11.6	11.4	-0.1	-2.0	Manufacture of coconut oil				
-0.9	0.05	-0.1	18.5	-3.2	0.4	1.8	0.8	1.0	3.5	-0.3	-3.3	-0.7	1.6	-0.9	-0.5	-1.9	Manufacture of dairy products				
-0.8	1.0	-0.1	20.9	-3.7	0.4	2.1	1.9	-0.04	3.4	0.1	-3.4	0.3	1.4	-1.2	-0.6	-2.0	Manufacture of condensed, powdered and evaporated milk				
-1.1	-5.3	-0.4	4.3	-0.1	0.4	0.1	-6.5	8.5	4.6	-2.6	-2.3	-7.7	3.0	1.2	0.3	-1.6	Other industry				
10.9	0.3	4.5	-1.8	0.1	3.6	2.4	-2.2	0.1	-1.1	0.1	-1.4	2.2	-2.5	2.8	-0.5	-1.5	Manufacture of grain mill products, starches and starch products				
-0.2	-0.2	4.6	-4.2	-0.01	2.0	5.8	-3.2	-0.3	-0.5	-0.04	-3.0	3.2	0.4	5.8	-0.8	-2.6	Rice milling				
28.0	1.0	5.3	0.2	0.3	5.3	-2.3	-0.9	0.3	-2.0	0.2	0.2	0.9	-4.0	-0.05	-0.4	-0.3	Flour milling				
2.0	-0.5	-1.3	1.8	0.2	2.7	12.9	-4.1	1.7	0.8	0.02	-0.8	3.5	-11.2	-0.1	2.0	-0.8	Other industry				
-1.7	-0.3	0.2	-4.6	0.6	1.5	2.6	-0.4	1.9	0.5	-0.3	-1.9	-0.2	0.7	5.0	0.0	1.3	Manufacture of other food products				
0.5	-0.3	0.4	-0.4	0.7	0.8	-0.8	-2.7	2.5	-2.3	-0.04	0.2	3.5	2.8	4.7	2.7	3.6	Manufacture of biscuits and cookies				
-1.9	-0.7	2.3	-4.6	-0.6	-2.9	-3.7	3.1	0.7	-0.2	2.8	-2.6	-0.2	1.1	3.4	0.3	1.2	Manufacture of bread, cakes and other bakery products				
-2.2	-2.3	-1.3	-0.8	3.4	1.6	6.2	-5.1	6.2	2.2	-0.03	-0.1	-4.7	2.1	1.7	-0.8	-2.3	Manufacture of snack products				
-21.2	3.8	2.9	-2.7	1.3	0.7	7.8	-8.5	3.3	-3.7	-0.6	1.8	0.2	-1.6	5.0	-2.8	8.2	Manufacture of sugar				
-2.8	1.9	-0.3	-29.1	-0.6	4.0	0.4	4.2	1.4	31.4	-23.0	0.5	-1.4	2.8	7.4	-0.04	-1.0	Manufacture of cocoa products				
-3.3	-0.03	-3.1	-2.6	1.1	-1.9	6.3	-1.9	6.3	-1.7	0.01	-2.4	-1.9	-0.2	3.9	0.8	1.0	Manufacture of chocolate and chocolate products				
-0.8	-0.2	-1.7	-9.1	-0.2	11.1	-0.6	0.1	-0.7	-0.5	0.1	-5.0	-2.5	8.3	20.9	-5.7	2.2	Manufacture of sugar confectionery				
0.1	0.9	-0.6	-8.5	5.1	8.1	5.0	0.3	0.7	5.3	-0.8	-4.7	3.9	-4.4	2.3	2.0	4.8	Manufacture of sauces and condiments				
-0.8	-0.5	0.2	-2.0	0.01	1.7	7.6	-1.5	1.8	-1.0	-0.9	-0.6	-0.3	-0.8	3.1	0.5	-0.5	Manufacture of other food products n.e.c.				
1.4	0.6	-1.3	-0.3	0.4	22.5	-13.4	0.2	-0.01	-0.9	0.5	-0.3	6.0	-6.4	0.2	0.3	0.1	Other industry				
4.7	0.7	5.0	-0.5	5.4	7.2	-7.0	-0.9	-4.0	1.4	-6.6	-4.1	-1.0	3.3	8.9	-0.3	5.6	Manufacture of prepared animal feeds				
4.1	1.3	8.6	-2.0	6.4	8.4	-10.3	-0.3	-8.1	2.6	-2.5	-3.5	-0.4	1.0	11.0	0.04	6.7	Manufacture of beverages				
4.4	0.7	-0.4	1.7	3.1	-0.5	6.7	-1.9	5.1	-0.2	-9.8	-3.4	-2.1	4.1	3.8	-0.5	3.7	Manufacture of soft drinks				
10.0	-3.4	-7.0	5.7	3.8	18.5	-15.0	-3.2	1.4	-3.1	-27.2	-12.9	-2.7	25.6	7.4	-2.4	0.9	Production of natural mineral waters and other bottled waters				
11.8	-2.3	10.8	5.8	0.5	26.3	-16.7	7.1	-4.4	-14.0	0.3	-4.2	-0.1	-3.4	11.1	4.4	0.4	Other industry				
2.0	-1.1	0.3	-0.4	-0.3	4.6	-3.6	-0.7	-2.3	-0.5	3.0	-4.1	0.3	-2.7	2.0	4.2	5.4	Manufacture of tobacco products				
7.0	-0.9	0.9	-1.1	0.1	2.1	-0.9	-1.0	-3.3	-0.2	5.5	-4.6	0.9	-8.3	4.7	4.1	5.2	Spinning, weaving and finishing of textiles				
-8.0	-1.4	-1.1	1.2	-1.3	11.2	-9.8	0.4	-0.1	-0.9	-2.5	-1.6	-0.3	8.1	-3.1	5.2	6.3	Preparation and spinning of textile fibres				
2.7	-2.3	-0.01	0.2	-0.1	-2.8	2.3	-2.4	0.6	-1.6	2.1	-18.8	-11.9	38.2	-0.9	-2.8	0.5	Weaving of textiles				
-0.9	0.5	-0.6	-0.5	-1.2	0.6	-0.6	-1.8	1.9	-1.3	2.3	-3.8	1.0	3.9	-0.2	0.9	-0.2	Dyeing, bleaching, printing and finishing of yarns and fabrics				
-0.4	0.2	-2.3	-0.3	-2.6	0.5	-8.4	0.1	0.1	-1.8	9.2	-1.7	0.03	4.2	-1.4	3.9	-0.4	Other industry				
-1.2	0.6	0.3	-0.6	-0.4	0.6	3.6	-2.8	2.7	-1.0	-1.0	-4.9	1.5	3.7	0.4	-0.7	-0.1	Manufacture of other textiles				
-1.6	-6.9	1.5	-1.5	-1.0	10.3	-5.5	-7.6	0.01	-0.02	0.5	-16.1	11.6	0.03	0.1	-0.3	12.6	Manufacture of knitted and crocheted fabrics				
-1.9	-10.0	1.9	-2.2	-2.1	13.7	-7.4	-9.3	0.1	0.01	3.5	-18.8	18.3	-0.1	-0.1	-0.9	9.7	Manufacture of wearing apparel, except fur				
-0.7	0.8	0.4	-0.01	1.2	3.0	-1.1	-3.9	-0.1	-0.1	-5.8	-9.8	-2.4	0.5	0.3	1.0	19.8	Manufacture of clothings				
-7.0	2.5	0.6	1.1	-3.4	6.5	-0.1	-9.8	0.4	2.1	0.3	-7.9	1.1	-15.5	4.1	-2.3	16.1	Other industry				
5.0	0.1	4.4	1.3	1.4	5.6	-5.8	-0.2	-0.03	-1.1	-0.1	-6.7	-8.0	9.8	6.8	2.9	1.3	Manufacture of articles of fur, knitted and crocheted apparel				
-5.3	-2.0	2.3	5.0	1.7	0.4	4.8	-4.6	-0.4	-0.02	-3.6	-7.7	-5.4	9.8	4.0	6.7	1.4	Tanning and dressing of leather; manufacture of luggage, handbags, saddlery and harness; dressing and dyeing of fur				
-6.4	-2.5	2.4	6.6	1.1	-0.1	6.0	-6.3	-1.2	0.4	-3.8	-7.0	-6.8	12.5	2.4	9.5	1.0	Manufacture of footwear				
-2.7	-0.8	2.1	1.0	3.5	1.6	1.8	-0.1	1.4	-1.1	-3.2	-9.3	-2.1	3.5	7.8	0.0	2.2	Manufacture of leather footwear				
1.6	-0.6	7.3	-0.6	-2.7	4.3	-8.7	2.0	-5.4	-0.1	-3.0	-3.9	6.3	-0.4	6.6	-0.1	-0.6	Manufacture of rubber footwear				
																	Other industry				
																	Sawmilling and planning of wood				

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Jan.	Feb.	Mac	Apr.	Mei	Jun
162	Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	2.8	-12.2	4.1	-2.8	3.3	-2.2	5.4	2.7	-0.3	-4.1	-11.8	2.6	2.3
16211	Pembuatan kepingan venier dan papan lapis	0.9	-13.4	1.7	-5.7	-1.1	-3.2	11.3	0.1	0.1	-5.2	-11.7	-0.1	5.0
16212	Pembuatan papan partikel dan papan gentian	-0.1	-13.7	-1.0	0.6	3.1	3.0	2.2	1.4	0.2	-1.7	-11.4	1.0	-6.6
16221	Pertukangan kayu untuk jurubina	6.6	-1.3	13.7	-1.8	12.2	-0.7	-1.2	7.8	-0.7	-1.1	-4.4	5.3	2.0
	Industri lain	8.1	-17.3	5.1	2.5	5.4	-5.0	0.5	7.5	-1.2	-5.0	-19.6	9.8	1.2
170	Pembuatan kertas dan produk kertas	0.2	-8.2	1.0	1.0	1.8	-0.6	-1.4	0.0	0.04	2.1	-10.0	-0.2	2.3
17010	Pembuatan pulpa, kertas dan kertas tebal	0.9	-9.6	-0.8	-3.2	-2.1	0.9	4.2	4.0	-3.9	-2.2	-10.7	6.2	0.2
17020	Pembuatan kertas gelugur dan kertas tebal dan bekas daripada kertas dan kertas tebal	-2.8	-9.3	3.0	0.2	1.3	2.6	-4.4	-1.2	-0.3	1.1	-11.2	1.4	1.9
17091	Pembuatan sampul surat dan kad surat	3.1	-5.4	-7.6	0.6	3.8	3.6	0.9	0.3	2.1	3.4	-1.7	-9.5	-0.4
17092	Pembuatan kertas kegunaan rumah dan pembersih peribadi	1.5	-5.1	2.6	1.1	1.4	1.4	-3.1	2.9	0.03	0.6	-8.6	1.4	7.3
17093	Pembuatan kertas bergam atau pelekat yang berjalur atau bergulung dan label dan kertas dinding	2.4	-6.9	-3.4	1.1	-3.3	-13.9	5.3	-3.5	2.2	12.5	-10.3	-7.3	0.8
	Industri lain	5.9	-10.2	3.6	10.4	18.6	1.4	-3.4	0.4	3.5	-4.7	-8.2	-1.0	1.5
181 & 182	Percetakan, aktiviti perkhidmatan berkaitan percetakan dan penerbitan semula media rakaman	7.3	-8.0	-2.9	1.5	5.8	-1.9	-7.7	3.2	-6.3	1.8	-8.4	2.5	-0.7
18110	Percetakan	8.2	-7.4	-3.1	1.5	5.2	-0.6	-8.0	2.3	-5.6	2.6	-8.7	2.3	0.2
18120 & 18200	Aktiviti perkhidmatan berkaitan percetakan	3.0	-11.0	-1.7	1.1	9.0	-8.4	-6.0	7.6	-9.4	-2.3	-6.9	3.6	-5.4
192 (19201 & 19202)	Pembuatan produk petroleum bertapis	-2.0	-23.0	9.5	14.9	-0.03	-15.4	8.2	-10.3	-5.4	16.2	-29.2	-2.5	6.8
201	Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	2.8	-26.7	1.4	0.5	5.2	-2.2	5.4	-1.2	0.7	1.0	-29.0	0.8	5.5
20111	Pembuatan gas perindustrian atau perubatan bukan organik dalam bentuk cecair atau mampat	3.2	-55.5	4.8	-1.7	14.3	1.0	2.7	0.9	0.6	1.4	-56.5	-0.7	4.7
20112 & 20113	Pembuatan kimia organik asas	2.7	-8.0	-5.4	1.0	5.7	-2.4	9.5	-1.5	-0.3	-1.0	-9.6	0.7	6.1
20121 & 20129	Pembuatan sebatian bukan organik	2.1	-53.8	16.3	-7.0	10.5	-5.6	0.7	3.5	2.7	6.0	-59.4	0.9	23.6
20131	Pembuatan produk campuran nitrogen	3.9	-29.1	8.7	2.3	0.03	-1.6	1.9	-4.3	1.5	1.3	-30.6	1.7	-1.3
	Pembuatan plastik dalam bentuk primer	-4.3	-9.8	-2.0	9.4	4.9	1.7	-3.8	-2.4	-3.9	-4.7	-3.1	-1.8	-4.3
	Industri lain													
202 & 203	Pembuatan produk kimia lain dan serat buatan manusia	8.0	-4.0	6.1	4.6	4.5	-8.2	-4.8	-0.6	-2.2	3.0	-5.6	-2.8	7.3
20210	Pembuatan racun perosak dan produk agrokimia lain	5.3	7.5	6.0	-2.3	34.1	-3.4	-2.2	3.3	-3.9	12.8	8.2	-11.4	2.3
20221	Pembuatan cat, varnis dan penyadur dan mastik	-7.1	-6.7	3.0	2.2	8.6	-10.6	0.3	-20.8	0.1	-0.4	-4.9	-2.3	-0.4
20222	Pembuatan dakwat cetak	10.1	20.3	-2.7	3.8	0.2	-12.6	-6.7	1.9	2.5	14.7	20.7	-16.0	3.7
20231 & 20232	Pembuatan sabun dan bahan pencuci, penyediaan membersihkan dan mengilat	12.7	-19.6	14.5	8.1	2.2	-13.2	-6.1	1.6	-3.9	-5.3	-19.3	0.2	13.8
20291 & 20292	Pembuatan pewangi dan penyediaan dandanan diri													
20291 & 20292	Pembuatan plat fotografi, filem, sensitized paper dan other sensitized unexposed materials													
20292 & 20299	Pembuatan dakwat menulis dan melukis	10.7	7.7	2.8	3.7	0.6	-0.9	-5.7	7.7	-1.5	10.7	-2.3	2.2	6.5
	Pembuatan produk kimia lain t.t.t.l.													
	Industri lain	-4.7	3.1	-6.5	0.5	2.0	2.2	-4.1	1.5	-9.1	1.3	2.5	1.7	5.4
210	Pembuatan produk farmaseutikal, kimia perubatan dan botani	-4.2	8.7	2.5	4.8	-1.9	8.9	1.7	-11.6	-0.5	-1.0	12.2	-4.4	2.0
21001	Pembuatan bahan aktif ubat-ubatan untuk digunakan oleh bidang farmakologi dalam pembuatan ubat-ubatan	-4.0	8.3	2.2	4.9	-2.6	8.7	-0.7	-11.9	0.02	-1.6	12.5	-4.6	1.1
	Industri lain	-5.2	10.3	4.1	4.3	1.2	9.8	11.3	-10.1	-2.5	1.5	10.8	-3.6	5.7
221	Pembuatan produk getah	-2.2	10.9	2.4	0.7	-6.2	15.3	4.9	-4.0	-4.3	3.2	3.7	7.5	3.5
22111	Pembuatan tayar getah untuk kenderaan	-6.7	-3.8	3.1	-6.1	-7.9	17.7	-1.4	-6.1	-2.0	-3.5	0.6	-3.0	2.0
22112	Pembuatan bunga tayar yang boleh ditukar ganti dan tayar celup	5.2	5.6	7.2	0.1	5.1	7.2	-4.2	7.2	-2.0	3.5	1.9	2.1	1.5
22191 & 22193	Pembuatan produk lain daripada getah asli atau sintetik, tidak divulkan, divulkan atau dikeraskan	-5.9	7.9	11.0	0.3	4.5	5.1	1.4	0.4	-10.6	-1.3	14.5	-6.6	10.6
22192	Pengilangan semula getah dan prosesan susu getah													
22192	Pembuatan sarung tangan getah	-2.4	22.5	-1.2	1.7	-12.9	32.4	11.2	-7.2	-1.8	6.6	6.9	14.4	2.6
22199	Pembuatan produk getah lain yang t.t.t.l.	2.8	-3.9	4.9	1.7	1.9	-13.0	-7.7	-0.4	-6.3	2.5	-8.5	7.4	2.2
222	Pembuatan produk plastik	-5.4	10.5	5.0	-0.5	0.3	6.3	-6.3	-4.6	0.4	1.9	2.5	8.1	2.8
22201 & 22202	Pembuatan produk plastik separa siap	-1.8	11.5	1.6	0.7	-4.7	7.6	-6.8	-7.0	10.2	3.5	3.0	3.2	1.6
22202	Pembuatan produk plastik siap													
22203	Pembuatan artikel plastik untuk pembungkusan barangan	-5.0	13.2	5.4	-3.3	2.9	14.0	-7.2	-1.4	-7.0	-2.9	4.0	20.5	0.4
22204	Pembuatan barangan plastik jurubina	3.3	-1.9	4.2	1.8	5.3	1.4	-15.7	5.7	-3.1	-4.0	-4.7	8.8	2.9
22205	Pembuatan pinggan mangkuk, peralatan dapur dan barangan tandas daripada plastik	8.4	18.7	11.4	-3.3	4.9	1.5	-1.3	4.6	-0.6	8.8	3.8	7.8	8.5
22209	Pembuatan pelbagai produk plastik t.t.t.l.	-11.4	7.1	7.1	0.5	3.1	2.1	-6.1	-5.9	-4.3	1.8	1.1	6.9	4.6
231 (23101 & 23102 & 23109)	Pembuatan kaca dan produk kaca	-2.8	-6.8	-4.9	0.8	8.7	6.4	-1.9	-3.5	-2.3	-9.4	-3.6	7.8	-2.6

2020												2021					Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.	
2.9	-2.3	1.0	-2.6	-1.6	2.7	3.8	-3.1	0.9	-0.8	0.1	-3.1	4.0	1.8	6.5	0.4	0.7	Manufacture of products of wood, cork, straw and plaiting materials
1.3	-4.3	0.3	-4.0	-1.5	1.6	-0.7	-1.6	0.4	-3.1	1.3	-2.1	6.1	2.8	11.6	-0.3	-0.1	Manufacture of veneer sheets and plywood
2.1	-1.1	5.8	-4.0	0.4	3.1	2.6	-3.6	2.4	-1.8	8.2	-2.6	-2.2	1.6	7.7	1.4	7.6	Manufacture of particle board and fibreboard
10.1	-0.02	0.5	1.0	-6.8	4.9	11.5	-0.5	0.2	3.8	-3.8	-5.6	5.0	-1.3	0.2	0.8	-3.6	Manufacture of builders' carpentry
0.5	0.6	0.6	-1.2	3.1	3.1	8.5	-9.8	2.4	0.2	-3.5	-3.0	2.1	3.2	-1.2	1.1	3.4	Other industry
-1.0	-0.2	2.0	-0.02	-1.1	1.5	0.2	0.2	2.6	-0.8	-2.5	0.0	-2.5	1.1	3.8	0.9	1.1	Manufacture of paper and paper products
-1.9	-1.6	0.5	-1.8	-0.1	-3.7	-0.5	0.8	1.1	-3.2	3.9	1.4	1.1	-1.4	5.4	7.2	4.5	Manufacture of pulp, paper and paperboard
1.0	-0.7	2.1	-0.1	-1.8	1.0	-0.2	-1.1	6.5	-1.5	-0.1	0.9	-8.8	5.0	2.5	0.2	0.3	Manufacture of corrugated paper and paperboard and of containers of paper and paperboard
-3.4	-0.4	-1.4	0.5	1.5	0.8	-0.8	5.8	-0.8	-0.5	4.2	-0.4	0.8	-1.3	-0.6	-0.8	0.4	Manufacture of envelopes and letter-card
-4.4	1.6	2.7	0.5	-2.6	0.1	2.6	-0.3	-0.5	10.2	-13.3	4.6	-1.3	-2.7	5.9	-0.3	-0.6	Manufacture of household and personal hygiene paper
-2.4	0.1	2.7	-0.6	-0.6	1.0	-2.7	-1.8	0.3	-9.2	-5.2	-4.1	9.3	-2.5	7.8	-0.9	0.3	Manufacture of gummed or adhesive paper in strips or rolls and labels and wall paper
2.1	0.1	2.2	2.9	1.1	14.7	3.4	7.0	-0.3	0.2	1.9	-6.1	-1.0	2.0	-0.8	0.2	3.3	Other industry
-1.4	-0.1	-5.4	-0.4	2.5	11.9	-0.3	-4.4	2.3	-1.6	1.8	-4.3	-3.9	0.4	-5.8	3.0	4.4	Printing, service activities related to printing and reproduction of recorded media
-1.8	-0.3	-6.0	0.1	2.7	12.0	-0.6	-5.1	2.6	-0.9	2.5	-4.0	-4.2	-0.01	-6.4	3.2	4.8	Printing
0.8	1.3	-2.2	-2.8	1.7	11.7	1.3	-0.9	0.5	-5.3	-2.0	-5.8	-2.1	2.4	-2.8	2.2	2.7	Service activities related to printing
																	Reproduction of recorded media
1.3	-0.7	14.8	3.2	-4.4	15.3	-10.6	-2.9	16.6	-24.9	-0.8	10.5	-2.6	-0.6	14.3	-0.6	-4.8	Manufacture of refined petroleum products
-2.4	-1.3	2.8	-4.1	1.3	7.2	-2.2	1.5	4.0	-5.8	-4.6	11.9	-0.2	-0.4	-0.1	-3.5	-2.1	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastics and synthetic rubber in primary forms
1.8	-0.3	0.8	1.4	-4.2	-2.2	18.5	-1.8	1.8	-0.2	-2.4	6.8	-1.6	2.4	-2.5	0.5	4.8	Manufacture of liquefied or compressed inorganic industrial or medical gases
																	Manufacture of basic organic chemicals
-10.5	-1.8	8.0	-7.6	2.5	8.6	-2.2	1.8	1.1	-4.2	-8.5	20.5	0.2	-2.0	3.1	-5.7	-3.6	Manufacture of inorganic compounds
																	Manufacture of fertilizers
3.9	0.6	-9.2	-2.5	-1.6	8.2	-0.3	2.9	11.2	-14.7	-0.4	8.0	-2.0	2.3	-11.0	-2.8	-5.3	Manufacture of associated nitrogen products
10.4	-2.0	0.2	-0.2	1.1	6.8	-7.3	0.7	7.4	-6.8	-0.3	2.3	0.7	0.2	-0.9	-0.7	0.2	Manufacture of plastics in primary forms
-0.6	2.9	0.8	0.8	7.4	5.4	-4.3	5.1	0.3	0.8	-0.1	-2.3	-4.9	4.1	0.1	-0.3	-2.7	Other industry
1.1	0.5	2.4	-2.4	1.8	12.1	-4.6	0.2	2.9	-8.2	-2.0	-1.9	-2.8	-1.9	3.5	1.3	2.0	Manufacture of other chemical products and man-made fibres
9.9	-0.7	-1.7	-10.0	16.1	-1.9	33.9	-9.9	11.2	-6.1	0.4	-2.6	2.1	-5.8	3.9	-6.6	5.7	Manufacture of pesticides and other agrochemical products
3.5	-0.5	2.8	-0.9	-3.8	12.6	15.3	-18.7	2.9	-2.6	-2.9	-3.8	6.2	-5.6	5.1	0.3	1.0	Manufacture of paints, varnishes and similar coatings ink and
0.02	0.9	0.9	0.4	-0.4	8.2	-7.6	-1.4	12.2	-10.4	-12.3	-2.9	0.2	-1.0	0.3	-0.4	3.5	Manufacture of printing ink
																	Manufacture of soap and detergents, cleaning and polishing preparations
2.1	1.5	6.1	-4.2	4.3	14.8	-12.5	7.6	0.8	-15.8	1.4	-2.7	-5.4	-2.3	6.8	-4.6	0.1	Manufacture of perfumes and toilet preparations
																	Manufacture of photographic plates, films, sensitized paper and other sensitized unexposed materials
-1.9	-0.1	-0.1	-0.02	-1.2	14.2	-10.4	5.0	-0.05	-0.9	-2.5	0.2	-5.9	1.0	0.8	11.6	2.8	Manufacture of writing and drawing ink
																	Manufacture of other chemical products n.e.c.
-8.0	-0.1	-7.2	-0.4	9.1	0.3	-0.5	-0.6	-0.5	-0.4	6.8	-3.7	-4.7	3.9	-4.8	0.0	3.8	Other industry
1.5	2.3	-0.8	0.3	-1.1	15.0	-10.1	0.2	-0.4	12.6	-4.7	0.2	1.5	3.4	-1.7	1.7	-5.6	Manufacture of pharmaceuticals, medicinal chemical and botanical products
1.9	2.0	-0.7	1.6	-2.8	15.3	-10.3	-0.004	-0.4	12.5	-5.3	1.3	-2.1	4.5	-1.6	3.5	-5.7	Manufacture of medicinal active substances to be used for their pharmacological properties in the manufacture of medicaments
-0.3	3.5	-1.1	-5.0	6.7	13.7	-9.1	0.8	-0.6	13.3	-2.3	-4.4	16.7	-0.3	-2.2	-5.1	-5.1	Other industry
-3.1	1.2	0.3	-1.2	-1.2	6.4	-6.1	-6.6	2.0	2.8	10.5	17.0	-5.8	-0.9	-5.5	-3.6	-6.0	Manufacture of rubber products
3.1	2.0	-4.8	-0.7	-1.1	-6.4	-1.0	-12.1	19.3	0.1	15.5	-2.5	-0.8	-4.3	-1.8	-2.4	-2.9	Manufacture of rubber tyres for vehicles
3.1	0.4	5.9	-3.9	0.8	-0.9	3.0	-7.6	24.3	-0.4	-1.9	-8.3	-1.8	3.8	4.8	1.9	-2.6	Manufacture of interchangeable tyre treads and retreading rubber tyres
																	Manufacture of other products of natural or synthetic rubber, unvulcanized, vulcanized or hardened
1.4	2.6	9.1	-7.7	0.7	3.8	-0.3	0.5	5.2	0.4	2.5	-1.7	1.4	-0.2	1.6	-8.0	-4.1	Rubber remilling and latex processing
-6.9	1.0	-2.0	1.8	-2.4	7.8	-11.0	-8.5	-1.7	5.2	26.5	32.1	-9.2	-0.7	-10.0	-3.9	-9.2	Manufacture of rubber gloves
0.5	0.3	1.1	-3.0	0.4	11.2	-1.2	-5.6	-0.7	1.2	-18.2	0.8	-1.5	-0.7	2.0	0.6	1.2	Manufacture of other rubber products n.e.c.
-2.0	3.8	0.04	-0.8	-1.5	0.4	-1.5	0.4	5.5	3.3	2.3	-6.7	-4.2	2.5	-0.03	0.3	-0.8	Manufacture of plastics products
																	Manufacture of semi-manufactures of plastic products
-5.2	7.5	0.2	0.9	-2.5	-3.2	-5.4	4.7	1.8	5.1	4.9	-10.4	-4.9	6.5	-1.1	0.2	0.7	Manufacture of finished plastic products
-1.6	1.0	0.3	-4.1	0.1	0.7	0.0	-6.6	21.6	3.5	1.3	-4.9	-4.8	1.6	-1.6	0.9	-1.0	Manufacture of plastic articles for the packing of goods
0.01	-1.4	1.2	0.4	1.2	0.8	4.1	-3.8	8.7	0.5	0.5	-10.6	-8.9	-2.6	4.5	1.2	2.7	Manufacture of builders' plastics ware
2.7	0.2	0.6	-5.0	-0.1	4.2	0.3	0.2	5.0	-1.2	1.9	-5.5	-3.7	8.3	0.9	0.6	-5.1	Manufacture of plastic tableware, kitchenware and toilet articles
0.2	2.7	-0.5	0.1	-1.9	3.3	0.9	0.5	0.8	2.4	0.5	-4.1	-3.0	-1.7	1.7	-0.2	-1.4	Manufacture of diverse plastic products n.e.c.
-1.1	-6.0	-1.6	0.2	2.0	7.2	2.5	0.1	1.8	2.7	4.6	-2.0	-2.6	-6.4	15.8	3.4	-1.8	Manufacture of glass and glass products

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Jan.	Feb.	Mac	Apr.	Mei	Jun
239	Pembuatan pengeluaran galian bukan logam t.t.t.l.	0.8	-7.4	1.9	3.2	-1.0	-0.2	-3.3	-1.4	-0.3	0.7	-11.0	4.2	2.3
23911	Pembuatan mortar refraktori dan konkrit													
& 23921	Pembuatan seramik bukan refraktori	5.7	-13.5	2.7	0.1	-6.0	-1.0	-1.5	2.9	-1.1	-4.7	-13.0	5.8	-2.5
23930	Pembuatan produk porselin dan seramik lain	-0.9	-4.7	8.6	5.0	-1.9	-7.3	-1.8	-5.7	8.7	-1.1	-8.2	1.7	1.9
23941	Pembuatan simen hidrolik	1.7	-1.6	-13.7	4.2	0.05	6.0	-11.0	-8.4	-3.2	11.9	-17.9	18.2	0.8
23951	Pembuatan konkrit dan mortar siap bancuh dan banchuan kering	0.4	-10.4	5.4	-0.4	2.7	0.8	-1.6	-0.8	0.01	5.3	-19.2	11.7	-1.7
23952	Pembuatan konkrit pratuangan, simen atau artikel batu													
& 23953	buatan yang digunakan dalam pembinaan;													
& 23959	Pembuatan komponen struktur pasang siap untuk bangunan atau kejuruteraan awam dari simen, batu atau konkrit buatan	4.1	-2.5	3.8	5.4	-1.3	-1.6	-2.4	4.7	3.3	-5.1	-1.0	0.8	1.2
	Pembuatan artikel konkrit, simen dan plaster lain t.t.t.l.													
23990	Pembuatan produk mineral bukan logam lain t.t.t.l.	-6.7	-11.1	-7.0	5.3	-2.0	-4.5	0.001	-10.4	-5.8	0.8	-10.4	-5.9	15.0
	Industri lain	-2.5	-11.2	13.9	1.8	0.1	8.7	-9.1	-2.4	-4.3	11.1	-19.7	5.3	3.6
241 (24101 & 24102 & 24103 & 24104 & 24109)	Pembuatan besi dan keluli asas	-2.9	-11.0	0.2	3.3	5.0	-8.5	-2.8	-5.4	-1.8	-8.6	-9.3	7.7	-0.6
242 (24201 & 24202 & 24209)	Pembuatan logam asas berharga dan logam bukan ferus lain	0.8	-14.6	-0.01	5.9	4.3	-0.6	-3.1	-5.3	0.1	8.5	-19.5	-0.6	3.0
243	Pengacuan logam	-7.0	-15.7	13.5	0.9	3.1	-5.6	-1.1	-1.9	-5.5	-9.5	-10.1	4.8	-2.2
251 & 252	Pembuatan produk struktur logam, tangki, takungan, penjana wap, senjata dan peluru	-1.1	-6.8	8.5	1.0	-0.3	-7.0	-0.3	-0.7	1.6	-4.2	-10.0	8.0	1.9
25113	Pembuatan pintu, tingkap dan bingkai, penutup tingkap													
& 25119	dan pintu pagar daripada logam	-1.5	-9.8	13.3	0.1	-5.9	-9.9	-4.1	-0.9	1.0	-5.8	-14.7	11.8	4.9
25120	Pembuatan produk struktur logam lain													
	Pembuatan tangki, takungan dan kontena daripada logam	-1.1	0.01	6.1	4.7	4.8	-1.9	10.0	-1.3	3.7	-1.8	-2.6	2.7	2.6
	Industri lain	0.5	-7.4	-7.6	-3.5	16.5	-6.4	-10.4	1.4	0.5	-1.5	-5.0	4.0	-12.6
259	Pembuatan lain-lain produk yang direka daripada logam; aktiviti perkhidmatan kerja logam	2.4	-4.5	4.8	4.5	2.1	-5.6	0.3	-1.4	0.5	-3.7	-4.9	3.6	1.0
25910	Tempaan, tekanan, hentakan dan bentuk gelekkan logam; serbuk metalurgi	3.1	2.1	5.9	2.6	3.2	-2.7	-0.9	-4.7	2.7	-2.4	-3.2	7.7	3.0
25920	Rawatan dan penyalutan logam; menggunakan mesin	7.4	-1.7	11.1	10.0	5.1	-3.5	-8.1	-2.5	0.03	-1.6	-8.1	10.2	3.4
25991	Pembuatan tin untuk produk makanan dan minuman, tiub dan kotak boleh dilipat	4.5	-1.3	0.9	9.8	-3.8	-9.8	4.6	2.8	0.7	-0.2	-4.5	6.2	-2.3
25992	Pembuatan kabel, plaited bands (jalur/pita berpintal) dan artikel seumpamanya daripada logam													
& 25993	Pembuatan bolt, skru, nat dan produk uliran seumpamanya	-1.9	-10.8	4.2	3.3	5.2	-8.4	10.1	-1.7	-0.6	-3.4	-11.4	4.9	-0.2
25994	Pembuatan barangan rumah daripada logam	-1.6	-14.0	-0.2	-2.5	6.8	-3.1	-11.6	0.1	-0.6	-10.8	-6.6	-0.2	-0.2
25999	Pembuatan produk lain yang direka daripada logam t.t.t.l.	4.8	-6.4	2.9	2.8	4.4	-4.0	-3.0	-0.3	0.5	-5.2	-8.3	7.7	1.5
	Industri lain	-2.1	-1.1	7.3	3.8	-13.0	-8.3	-0.7	-0.2	-0.4	-9.0	27.3	-25.5	-0.1
261	Pembuatan komponen dan papan elektronik	7.6	-13.6	1.3	6.3	7.2	-3.2	-4.8	-0.8	0.8	-6.6	-10.6	0.8	1.1
26101	Pembuatan diod, transistor dan alatan semikonduktor yang seumpamanya													
& 26102	Pembuatan litar elektronik bersepadu dengan pemasangan mikro	9.6	-19.7	-2.0	8.3	7.7	0.2	-4.0	-2.8	1.1	-6.2	-13.6	-5.4	0.7
26103	Pembuatan kapasitor dan perintang elektrik													
& 26104	Pembuatan papan litar bercetak	4.4	-0.9	7.9	3.4	8.1	-9.5	-6.2	6.2	-0.3	-8.2	-4.2	13.7	1.7
& 26105	Pembuatan komponen paparan													
26109	Pembuatan komponen lain untuk aplikasi elektronik	-3.0	7.8	3.2	1.0	-6.0	-8.2	-7.9	-9.8	3.6	-2.8	-0.01	11.9	1.9
262 (26201 & 26202)	Pembuatan komputer dan kelengkapan peranti	11.8	-9.7	-1.4	10.1	7.1	-6.7	3.5	6.9	-3.5	5.9	-9.0	-3.4	-3.4
263/ 26300	Pembuatan peralatan komunikasi	6.6	-19.2	-7.6	-4.1	-1.5	12.5	-6.9	8.2	2.7	-0.01	-3.6	-27.1	4.7
264/ 26400	Pembuatan peralatan elektronik pengguna	-3.0	-2.4	3.6	3.6	-9.2	-3.2	1.1	-1.4	-2.6	0.3	-3.8	1.4	3.5
265	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan; jam tangan dan jam	-3.4	-7.7	-3.8	8.9	-0.3	-1.9	2.9	-8.9	-3.8	-8.0	-1.6	2.1	-2.2
26511	Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan													
& 26512	Pembuatan kelengkapan kawalan proses perindustrian	-3.7	-7.9	-4.0	9.8	0.5	-2.4	3.4	-10.5	-3.7	-8.2	-0.7	0.8	-2.7
26520	Pembuatan jam tangan dan jam dan bahagiannya	-1.6	-5.9	-1.8	1.3	-7.4	2.9	-1.1	7.0	-4.6	-6.2	-9.4	14.3	1.7
266/ 26600	Pembuatan peralatan penyinaran, perubatan elektro dan elektroterapeutik	-4.2	-2.9	0.1	-14.1	20.4	15.0	-1.1	-1.3	0.6	-2.2	-3.0	-1.2	6.4

2020						2021											Group Description/Period	
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun	Jul.	Ogo.	Sep.	Okt.	Nov.		
-0.9	-0.6	0.8	0.1	4.2	0.05	-1.8	-2.6	3.6	-0.3	1.1	-6.1	-0.3	0.4	1.8	0.3	2.5	Manufacture of non-metallic mineral products	
																	Manufacture of refractory mortars and concretes	
-0.01	2.0	3.7	-3.7	1.2	0.0	-2.2	-8.9	5.4	0.6	0.0	-5.9	2.0	0.6	0.7	-0.05	-14.8	Manufacture of non-refractory ceramic	
4.7	-0.8	7.3	-4.3	9.4	-3.5	5.0	-11.7	2.4	-8.8	9.0	-4.1	-5.3	4.2	2.5	1.8	-2.7	Manufacture of other porcelain and ceramic products	
-16.7	0.3	-7.3	0.7	3.0	19.6	-11.0	-5.2	8.3	5.0	-0.5	-6.6	-7.2	-0.5	2.7	0.03	0.2	Manufacture of hydraulic cement	
2.6	0.02	0.8	-2.5	1.2	2.5	0.5	-3.6	8.1	-4.4	3.3	-2.3	-0.4	-1.7	1.1	-0.1	2.6	Manufacture of ready-mix and dry-mix concrete and mortars	
																	Manufacture of precast concrete, cement or artificial stone articles for use in construction	
2.9	-0.7	0.8	2.1	9.4	-8.9	0.4	2.5	-0.1	-0.5	2.0	-9.5	3.6	-0.5	1.2	-0.2	9.3	Manufacture of prefabricated structural components for building or civil engineering of cement, concrete or artificial stone	
																	Manufacture of other articles of concrete, cement and plaster n.e.c.	
-11.8	-5.1	5.0	1.4	-1.5	10.0	-5.3	-3.0	-0.9	-7.8	9.5	-2.7	-4.3	2.6	4.6	2.2	2.0	Manufacture of other non-metallic mineral products n.e.c.	
9.9	1.6	-4.2	2.3	1.2	3.5	-2.9	-4.2	9.9	16.9	-14.3	-6.5	-2.7	3.8	2.0	0.3	1.4	Other industry	
-2.7	1.5	-0.01	-0.6	-0.1	10.5	-0.2	-3.0	1.8	-5.5	-4.1	-2.0	-4.4	2.0	9.4	-0.1	2.1	Manufacture of basic iron and steel	
-2.1	0.4	0.3	1.2	-1.3	15.4	-4.8	-1.7	4.1	-4.6	5.0	-3.6	-3.3	-1.1	5.6	2.8	-1.8	Manufacture of basic precious and other non-ferrous metals	
12.5	0.8	1.2	-0.9	-1.6	5.6	-1.4	-0.02	4.3	-6.5	-0.6	-4.4	-1.4	2.7	5.2	0.7	-0.01	Casting of metals	
4.7	-0.2	-0.2	-1.2	3.5	0.1	-0.6	-1.5	0.4	-3.9	-0.4	-8.1	5.6	-2.9	6.3	1.3	0.3	Manufacture of structural metal products, tanks, reservoirs , steam generators , weapons and ammunition	
6.4	-0.1	-1.0	-0.9	2.2	0.4	-3.1	-5.8	0.1	-3.1	-1.2	-13.1	5.4	-1.7	5.2	0.6	0.2	Manufacture of metal doors, windows and their frames, shutters and gates	
																	Manufacture of other structural metal products	
3.0	-0.1	1.4	-0.5	7.0	-1.0	-1.0	6.5	-0.2	-4.9	1.7	0.2	9.7	-4.3	7.8	2.5	0.6	Manufacture of tanks, reservoirs and containers of metal	
0.8	-1.2	-0.2	-4.5	1.6	1.7	14.1	-0.8	3.1	-4.3	-2.3	-7.2	-4.6	-3.7	6.5	0.6	-0.4	Other industry	
2.9	-0.3	0.4	0.9	1.2	7.8	-0.7	-2.2	-3.1	-2.7	1.1	-2.4	-1.9	1.1	8.6	0.6	1.0	Manufacture of other fabricated metal products; metal working service activities	
0.7	0.6	0.9	-2.3	-0.2	13.0	-0.4	-5.5	-1.8	0.1	1.1	-1.2	-1.2	0.7	0.8	0.7	-0.3	Forging, pressing, stamping and roll-forming of metal; powder metallurgy	
6.0	-0.9	0.01	1.7	6.9	11.2	-3.7	1.1	-3.0	-3.7	4.2	-2.6	-7.9	-0.9	2.3	1.9	3.7	Treatment and coating of metals; machining	
-0.4	1.3	0.4	-1.0	15.0	0.3	-4.1	-0.2	-12.3	0.3	-2.5	0.2	-2.4	5.4	12.2	1.7	8.7	Manufacture of tins and cans for food products, collapsible tubes and boxes	
																	Manufacture of metal cable, plaited bands and similar articles	
3.7	-1.4	-0.01	4.9	-5.2	7.5	1.1	2.0	-1.0	-10.0	3.5	-1.8	-0.9	1.2	30.6	-0.7	-0.2	Manufacture of bolts, screws, nuts and similar threaded products	
1.0	-0.8	-1.3	-3.3	6.5	-6.4	6.3	3.9	0.9	-0.3	-0.1	-13.4	1.6	-3.9	-4.6	-0.2	1.1	Manufacture of metal household articles	
-0.3	-0.6	0.6	0.5	-0.5	7.4	1.5	-1.1	-2.8	-0.04	-0.6	-3.9	-1.9	2.2	0.9	0.4	-1.4	Manufacture of any other fabricated metal products n.e.c.	
18.9	0.5	1.0	1.6	-1.1	6.4	-4.3	-18.6	0.0	0.1	-0.9	-2.7	4.4	-3.4	-1.6	1.6	0.7	Other industry	
-1.7	0.6	4.9	-0.4	-1.5	12.9	-2.2	6.8	-7.9	-0.5	0.03	1.7	-6.3	0.1	1.3	1.9	1.3	Manufacture of electronic components and boards	
-3.5	1.2	6.5	0.3	-1.0	11.8	-2.0	6.2	-4.5	-1.0	0.1	6.9	-9.5	2.5	-0.6	0.3	1.7	Manufacture of diodes, transistors and similar semiconductor devices	
																	Manufacture of electronic integrated circuits micro assemblies	
																	Manufacture of electrical capacitors and resistors	
1.9	-0.3	2.3	-1.6	-2.7	16.6	-2.1	9.4	-14.9	0.8	-0.2	-7.8	0.9	-5.0	5.2	5.8	0.8	Manufacture of printed circuit boards	
-1.8	-1.0	2.6	-1.5	-0.2	3.6	-4.5	-3.6	-4.2	-1.1	-0.04	-9.9	-2.1	-1.4	5.7	0.3	-0.6	Manufacture of display components	
																	Manufacture of other components for electronic applications	
4.2	0.5	-7.2	9.5	-2.1	21.3	-2.7	-3.4	0.5	-6.0	-0.1	0.5	-4.2	4.2	14.0	0.2	-10.9	Manufacture of computers and peripheral equipment	
0.8	-1.2	1.9	-0.3	-0.3	-13.4	12.4	-9.4	10.3	19.5	-15.8	6.5	-8.5	4.4	2.1	0.5	17.9	Manufacture of communication equipment	
-0.6	0.5	3.4	0.7	-3.6	8.9	-1.9	-19.2	5.0	1.9	0.3	-3.2	-5.9	10.1	8.0	4.9	-2.1	Manufacture of consumer electronics	
-2.9	-0.1	-0.2	4.7	-1.0	14.6	-5.9	-5.7	3.1	-0.3	0.2	-5.3	2.4	5.5	1.7	0.6	6.7	Manufacture of measuring, testing, navigating and control equipment; watches and clocks	
																	Manufacture of measuring, testing, navigating and control equipment	
-2.5	-0.01	-0.04	5.4	-1.0	14.7	-4.7	-6.6	3.6	-0.5	0.1	-5.9	2.9	6.0	1.8	0.7	6.5	Manufacture of industrial process control equipment	
-6.1	-0.7	-1.4	-1.2	-0.8	13.0	-16.6	4.5	-0.9	1.0	1.4	0.2	-2.3	0.6	0.8	-0.7	8.4	Manufacture of watches and clocks and parts	
-3.6	0.1	-0.2	-11.0	-0.05	-10.2	18.1	5.0	18.1	-1.3	0.6	7.9	-3.8	-2.4	-2.2	-0.4	0.9	Manufacture of irradiation, electromedical and electrotherapeutic equipment	

Kod Kumpulan Group code	Keterangan Kumpulan/Tempoh	2020				2021								
		Q1	Q2	Q3	Q4	Q1	Q2	Q3	Jan.	Feb.	Mac	Apr.	Mei	Jun
267 (26701 & 26702) & 268 (26800)	Pembuatan peralatan optikal, kelengkapan fotografi, media magnetik dan optikal	8.9	-3.7	-1.5	3.0	5.1	-7.8	-2.7	3.1	4.4	-2.0	-13.8	17.1	0.8
271	Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	4.3	-8.5	4.3	5.0	-0.6	-13.2	9.3	-0.7	-0.6	-7.9	-9.1	9.4	0.8
27101	Pembuatan motor elektrik, penjana dan transformer	4.8	-15.3	5.4	-0.2	-6.7	8.6	9.9	9.9	-1.0	-15.1	-12.7	12.0	2.5
27102	Pembuatan perkakasan pengagihan dan pengawalan	4.0	-4.7	3.8	7.6	2.1	-22.3	9.0	-5.9	-0.3	-3.7	-7.2	8.2	0.01
272/ 27200	Pembuatan bateri dan akumulator	-1.3	2.9	5.3	0.1	-11.3	8.3	14.1	2.6	-0.9	-6.6	-1.1	13.1	1.4
273	Pembuatan pendawaian dan peranti pendawaian	2.5	-12.3	10.3	7.5	3.0	-2.0	4.2	-5.1	2.9	-5.9	-19.0	14.6	4.9
27310	Pembuatan kabel gentian optikal	-7.4	-1.4	2.4	0.8	-31.3	11.8	30.0	-10.8	-0.7	-6.6	-7.3	15.0	4.2
27320	Pembuatan wayar dan kabel elektronik dan elektrik lain	3.7	-13.4	11.3	8.6	5.8	-2.8	2.3	-4.4	3.3	-6.1	-19.9	14.4	4.9
27330	Pembuatan alatan pendawaian pembawa dan bukan pembawa arus untuk litar elektrik (tanpa mengira jenis bahan)	-2.0	-7.7	5.8	-3.4	2.4	1.8	11.7	-8.1	0.9	1.0	-19.9	16.4	8.1
274/ 27400	Pembuatan kelengkapan pencahayaan elektrik	-1.1	2.5	-3.2	0.8	21.5	12.7	16.3	1.0	-7.8	-1.5	2.4	12.0	-10.8
275/ 27500	Pembuatan perkakasan domestik	8.6	-4.7	10.9	1.0	-0.3	-17.9	-13.9	1.9	0.5	-8.0	-12.3	14.3	14.0
279/ 27900	Pembuatan kelengkapan elektrik lain	-1.7	0.3	2.9	4.3	-5.3	2.5	2.0	-2.1	3.4	-2.2	0.3	0.6	-0.1
281 & 282	Pembuatan jentera kegunaan umum dan kegunaan khas	-1.2	-7.6	4.8	6.1	1.6	-6.4	-0.7	-3.2	-0.05	-8.0	-5.2	2.1	5.0
28120 & 28130	Pembuatan alat-alat kuasa bendalir	-11.7	0.3	0.5	18.6	-9.8	-6.8	-0.1	-28.9	41.7	-3.4	-10.1	3.4	1.6
28180 & 28220	Pembuatan alatan tangan yang menggunakan kuasa dilengkapi dengan motor elektrik atau bukan motor elektrik atau pneumatik	0.9	-5.3	18.5	7.7	4.6	-9.2	3.0	2.0	-4.7	-3.3	-3.0	-1.1	6.6
28192	Pembuatan jentera pembentukan logam dan alatan mesin	12.8	3.4	-0.8	-1.3	-0.2	-4.0	4.4	7.7	-0.1	-2.6	-6.0	7.3	20.0
28290	Pembuatan lain-lain mesin bertujuan khas t.t.t.l. Industri lain	-8.4	-29.6	9.7	7.4	5.3	-5.4	-6.0	-0.9	3.8	-31.5	-0.7	-12.1	-2.1
291 (29101 & 29102)	Pembuatan kenderaan bermotor	-4.4	-18.5	8.2	-0.6	1.8	1.5	-3.7	-9.7	0.5	-3.3	-18.7	-3.5	14.3
292/ 29200	Pembuatan kerangka (coachwork) untuk kenderaan bermotor; pembuatan treler dan semi treler	-2.1	-15.0	-1.7	3.1	4.4	7.3	-0.02	-1.3	-0.3	-2.0	-15.7	0.9	5.0
293/ 29300	Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	4.7	-13.2	-0.1	10.2	-1.7	-2.9	-8.6	-3.3	3.0	-7.3	-6.1	-7.2	3.6
301 (30110 & 30120)	Pembinaan kapal dan bot	0.4	-10.8	4.7	-0.8	8.4	-10.3	-8.6	5.1	-3.1	-7.9	-8.5	4.2	3.8
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.	-0.4	-21.9	0.6	3.7	7.5	-1.5	-5.4	-2.2	3.2	-1.9	-21.1	-0.9	-0.4
30910	Pembuatan motosikal	1.8	-18.5	-0.01	3.2	13.5	1.7	-4.9	-0.1	3.9	-2.0	-15.4	-4.4	-1.9
30920	Pembuatan basikal dan invalid carriages	-2.6	-10.3	12.5	3.4	1.2	-7.9	-7.7	-5.8	9.8	-9.0	-21.8	25.6	3.3
	Industri lain	-2.9	-32.7	-5.4	5.0	-0.3	-4.2	-4.9	-3.7	-0.9	1.8	-30.2	-6.9	0.2
310	Pembuatan perabot	0.3	-7.4	9.7	0.8	0.9	-6.3	1.4	0.8	-0.7	-3.3	-11.7	8.7	4.6
31001	Pembuatan perabot kayu dan rotan	1.0	-5.0	9.6	2.2	-0.5	-6.3	3.2	1.7	-0.9	-2.1	-9.5	6.9	5.9
	Industri lain	-1.4	-14.0	10.1	-3.2	5.4	-6.2	-4.1	-1.6	0.002	-6.7	-18.0	14.4	0.7
321 (32110 & 32120)	Pembuatan barang kemas, bijouterie dan artikel berkaitan	-0.2	-8.6	9.2	6.5	2.1	-9.1	-4.8	-4.0	0.03	-1.6	-11.4	4.9	3.0
322, 325 & 329	Pembuatan instrumen muzik, peralatan dan bekalan perubatan dan pergigian dan pembuatan lain t.t.t.l.	1.3	-1.9	0.9	5.7	5.3	-3.2	-0.3	-0.5	0.1	-4.4	-4.3	8.1	0.6
32901	Pembuatan alat tulis	-5.6	-10.7	-7.3	1.7	5.5	-1.4	0.3	-11.1	-1.2	-13.4	-7.2	15.3	-9.2
	Industri lain	3.8	1.1	3.3	6.8	5.2	-3.6	-0.4	4.0	0.6	-1.1	-3.4	6.0	3.8
323/ 32300	Pembuatan barangan sukan	-5.2	-9.0	12.7	3.2	5.2	-7.2	-0.3	-3.6	0.4	-8.8	-7.3	0.2	12.4
324/ 32400	Pembuatan permainan dan mainan	-11.3	-0.1	2.1	-7.1	-23.3	7.2	43.5	-31.2	3.5	2.9	7.7	-24.8	25.9
331 & 332	Pembaikan pemasangan produk logam, jentera, kelengkapan dan pemasangan jentera perindustrian dan kelengkapan	-2.7	-11.6	-1.0	7.7	2.0	-4.0	-3.5	0.2	-1.5	-4.3	-3.5	-7.5	-0.5
33150	Pembaikan dan penyelenggaraan kelengkapan pengangkutan kecuali motosikal dan basikal	3.1	-4.9	-10.3	5.0	3.1	-8.3	-2.0	4.8	-2.2	-1.8	18.5	-25.9	-3.5
	Industri lain	-4.3	-13.6	2.0	8.4	1.7	-2.8	-4.0	-1.1	-1.3	-5.0	-10.2	-0.1	0.5
Jumlah Pembuatan		1.3	-8.0	2.5	3.4	2.0	-1.9	-1.2	-2.1	-0.7	-2.0	-8.5	2.1	2.1

2020												2021					Group Description/Period
Jul.	Ogo.	Sep.	Okt.	Nov.	Dis.	Jan.	Feb.	Mar.	Apr.	Mei	Jun.	Jul.	Ogo.	Sep.	Okt.	Nov.	
-8.2	-0.5	5.6	-2.9	-0.2	8.0	-0.4	-0.9	3.2	-8.2	-2.2	0.7	-5.5	3.3	3.1	-0.1	2.6	Manufacture of optical instruments, photographic equipment, magnetic and optical media
-0.02	1.4	-0.3	0.4	0.4	12.3	-3.7	-3.2	-7.1	-15.7	12.1	3.6	-0.2	3.2	3.0	0.4	1.9	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
0.1	0.1	-0.7	-0.6	0.3	1.9	-1.8	-8.5	-1.9	5.2	7.2	8.6	-0.2	2.8	0.3	-0.2	-0.1	Manufacture of electric motors, generators and transformers
-0.1	2.0	-0.1	0.8	0.5	17.3	-4.5	-1.0	-9.1	-24.7	15.1	0.8	-0.2	3.5	4.7	0.8	3.1	Manufacture of electricity distribution and control apparatus
1.4	-0.9	-1.7	-0.3	3.0	-0.6	0.1	-17.8	-0.1	1.2	19.0	5.5	-0.1	9.7	-5.4	-0.2	-3.5	Manufacture of batteries and accumulators
1.0	2.3	-0.4	3.1	-1.7	15.0	-2.6	0.4	-9.6	0.3	5.7	2.0	-1.9	1.8	5.2	1.7	-2.9	Manufacture of wiring and wiring devices
-3.7	-0.3	-2.4	0.04	-2.9	14.0	-38.3	5.4	-1.1	-2.0	15.3	7.2	-3.8	5.0	57.7	-0.2	5.2	Manufacture of fibre optic cables
1.5	3.0	-0.3	3.6	-1.8	15.9	0.1	0.01	-10.2	0.9	4.9	1.0	-1.7	1.7	2.1	1.9	-3.9	Manufacture of other electronic and electric wires and cables
-0.3	-6.7	1.9	-2.6	1.8	-2.7	2.4	4.0	-4.1	-10.6	12.7	19.2	-2.6	0.004	-3.8	0.3	2.4	Manufacture of current-carrying and non current-carrying wiring devices for electrical circuits regardless of material
1.4	0.3	-2.7	0.4	-0.2	7.0	22.1	-7.0	-0.4	3.7	6.2	21.3	-0.1	1.7	-0.7	-0.9	-1.6	Manufacture of electric lighting equipment
-1.2	-1.6	0.1	-0.1	-0.3	5.6	-3.8	-0.01	0.1	-27.1	22.7	-6.4	-6.2	-9.0	-13.4	1.9	-0.9	Manufacture of domestic appliances
2.2	0.6	0.4	3.8	-1.6	3.1	-3.0	-2.2	-7.0	9.9	0.2	-4.0	-0.4	3.8	7.6	-0.6	0.4	Manufacture of other electrical equipment
0.7	-1.1	2.5	1.1	-0.4	11.6	-3.0	-0.01	-6.9	-0.8	-0.1	-2.5	-1.2	2.5	1.6	1.4	1.7	Manufacture of general-purpose and special-purpose machinery
-2.7	-0.4	4.0	3.6	3.7	26.5	-23.1	-0.3	-0.1	-3.3	-4.6	-1.4	-0.2	3.4	1.0	-1.3	1.5	Manufacture of fluid power equipment
10.6	0.04	9.2	-3.5	-0.5	16.9	0.4	-2.5	-12.5	1.0	-0.9	-0.1	0.04	0.4	9.3	0.2	5.9	Manufacture of other pumps, compressors, taps and valves
-12.9	-1.0	-0.7	2.1	-6.9	6.7	-1.5	-0.6	-0.7	-8.8	9.0	-0.04	-4.0	12.2	-6.1	-0.6	1.2	Manufacture of power-driven hand tools with self-contained electric or non-electric motor or pneumatic drives
16.7	-1.0	1.0	2.4	-0.8	15.4	-0.8	-0.5	-8.2	7.7	-9.1	-2.3	-1.4	-0.5	1.2	2.8	0.0	Manufacture of metal-forming machinery and machine tools
-0.4	-1.8	0.9	2.2	1.6	6.7	-1.3	1.7	-7.2	-0.8	0.8	-4.7	-0.8	0.6	1.2	3.0	0.2	Manufacture of air-conditioning machines, including for motor vehicles
-5.4	9.2	-0.05	-10.1	1.6	18.8	-8.6	2.9	-8.4	8.0	0.3	-4.1	-3.8	2.2	4.2	3.6	3.4	Manufacture of other special-purpose machinery
-5.0	-1.8	3.4	-0.2	0.8	3.6	-2.9	0.4	13.5	-0.1	0.1	-4.0	-0.3	0.5	8.2	0.4	-1.1	Other industry
-0.6	-0.6	3.2	3.1	2.5	9.4	-8.4	2.4	-3.5	4.7	-7.3	-2.9	-7.3	1.7	6.3	0.8	0.8	Manufacture of motor vehicles
2.4	-1.3	-2.1	-2.0	6.0	-2.5	-0.1	2.2	19.9	-16.0	-7.6	-2.3	-3.4	-2.2	0.8	0.6	1.6	Manufacture of bodies (coachwork) for motor vehicles; manufacture of trailers and semi-trailers
1.0	-1.7	4.2	-0.1	2.0	0.9	3.8	2.3	2.4	-0.2	-0.8	-9.1	-0.4	-0.9	6.9	1.3	0.9	Manufacture of parts and accessories for motor vehicles
0.6	0.2	6.6	-1.8	0.3	1.5	7.5	2.8	7.4	-0.2	-2.2	-6.7	0.6	-4.7	9.3	2.1	3.3	Building of ships and boats
2.2	-0.7	2.9	-3.1	7.2	0.3	0.5	-1.1	-3.3	0.2	0.1	-17.3	-7.3	21.7	-2.9	-0.2	-8.9	Manufacture of railway locomotives, rolling stock, air and spacecraft, related machinery, military fighting vehicles and transport equipment n.e.c
1.0	-6.3	-0.004	6.0	1.9	0.1	-1.6	3.6	-4.8	-0.4	2.1	-9.4	1.7	-5.1	8.3	0.3	1.4	Manufacture of motorcycles
3.4	-0.2	1.1	0.1	-1.2	2.6	0.9	-0.5	-3.1	-3.3	1.1	-4.7	-1.2	1.0	14.4	-0.7	0.1	Manufacture of bicycles and invalid carriages
3.1	-0.2	1.0	1.4	-1.1	2.6	-0.2	-0.5	-4.0	-3.4	1.5	-3.6	-0.9	0.6	17.0	-0.6	-0.4	Other industry
4.6	-0.1	1.4	-4.1	-1.3	2.7	4.5	-0.5	-0.3	-3.0	-0.2	-8.2	-2.0	2.5	6.2	-1.0	1.6	Manufacture of furniture
5.2	-0.2	1.0	0.3	0.1	16.4	-5.2	-1.1	-5.1	-2.7	-1.6	-5.5	-1.3	-4.0	10.7	0.7	1.3	Manufacture of wooden and cane furniture
-1.1	-0.8	-1.4	4.6	0.9	5.2	1.2	1.4	-1.6	-2.4	-0.3	0.2	-0.4	-0.3	1.2	0.7	1.1	Other industry
-3.7	-1.7	-2.5	2.4	0.5	3.8	2.8	-0.3	0.6	-0.3	0.5	-5.1	2.7	0.9	1.1	2.4	-0.2	Manufacture of jewellery, bijouterie and related articles
-0.3	-0.6	-1.1	5.2	1.0	5.5	0.7	1.8	-2.2	-2.9	-0.5	1.6	-1.3	-0.7	1.2	0.2	1.4	Manufacture of musical instruments, medical and dental instruments and supplies and other manufacturing n.e.c.
2.3	1.9	2.2	0.3	0.1	2.0	4.9	-1.3	-0.7	-5.3	-0.2	-3.3	-4.1	5.6	7.7	0.9	-4.2	Manufacture of stationery
-7.8	3.7	7.8	-21.1	-0.2	32.5	-36.3	1.7	-1.1	-1.3	-0.03	26.6	8.3	19.6	2.3	2.8	1.4	Other industry
2.6	-0.4	-0.9	6.8	1.5	1.6	0.5	-0.7	1.4	1.1	-5.7	-6.0	1.9	0.2	1.7	6.8	4.2	Manufacture of sports goods
3.4	-0.9	0.1	0.4	7.0	0.4	1.2	-1.4	1.3	-3.5	-5.5	-5.0	3.5	-1.2	2.5	-0.6	7.7	Manufacture of games and toys
2.4	-0.3	-1.1	8.7	-0.02	1.9	0.3	-0.5	1.5	2.4	-5.8	-6.3	1.5	0.6	1.5	8.9	3.4	Repair of fabricated metal products, machinery and equipment and installation of industrial machinery and equipment
-0.3	0.3	1.5	-0.2	-0.2	7.7	-2.4	-0.6	0.03	-1.7	0.4	-0.7	-2.2	0.5	3.4	0.6	0.2	Repair and maintenance of transport equipment except motorcycles and bicycles
																	Other industry
-0.3	0.3	1.5	-0.2	-0.2	7.7	-2.4	-0.6	0.03	-1.7	0.4	-0.7	-2.2	0.5	3.4	0.6	0.2	Total Manufacturing

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

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2016	2017	2018	2019	2020					
							Jan.	Feb.	Mac	Apr.	Mei
Ikan tin Canned fish	Tan Tonne	14,078	11,001	9,743	7,245	6,970	723	725	761	587	636
Ikan segar sejuk beku Frozen fish	Tan Tonne	17,436	16,344	16,671	17,304	16,658	1,309	1,431	1,174	1,238	1,468
Bebola ikan Fish ball	Tan Tonne	21,396	17,860	15,987	13,093	6,190	408	412	353	446	535
Sotong sejuk beku Frozen cuttle fish/squid	Tan Tonne	12,216	8,858	4,749	5,908	6,679	465	447	424	460	564
Udang geragau/udang sejuk beku Frozen shrimps/prawns	Tan Tonne	15,960	20,233	22,573	22,817	19,460	2,106	2,052	1,809	1,929	1,877
Jem (semua jenis) Jams (all types)	Tan Tonne	10,648	11,423	10,488	8,335	7,376	675	737	669	507	632
Minyak kelapa mentah Coconut (copra) oil and its fraction crude oil	Tan Tonne	11,899	14,307	27,643	21,220	15,593	1,367	1,040	938	946	1,676
Minyak kelapa, ditapis Coconut oil, refined	Tan Tonne	53,787	42,113	61,944	78,779	49,268	3,160	2,059	2,040	3,017	5,567
Lemak doh/shortening Dough fats/shortening	Tan Tonne	231,902	206,366	269,057	219,212	191,050	17,574	15,859	15,467	11,874	14,008
Marjerin Margarine	Tan Tonne	45,068	77,824	62,129	60,181	58,569	6,051	5,295	4,534	3,761	4,605
Minyak masak campuran Blended/deodorised cooking oil	Tan Tonne	669,886	547,656	558,317	574,483	423,403	42,992	37,262	36,553	38,844	31,224
Susu pekat manis Sweetened condensed milk	Tan Tonne	136,560	138,199	147,746	209,591	321,036	20,129	17,556	18,536	19,528	20,904
Minuman susu Milk drinks	Liter ('000) Litres ('000)	188,396	140,303	132,687	95,096	93,369	6,606	6,410	7,193	8,471	7,856
Beras Whole rice	Tan Tonne	595,300	631,952	665,032	629,970	679,152	53,898	62,020	69,220	72,533	49,647
Beras hancur Broken rice	Tan Tonne	38,835	50,279	65,664	64,415	65,748	5,176	5,574	6,232	5,302	5,198
Tepung gandum Wheat flour	Tan Tonne	890,209	998,163	949,149	901,834	862,885	78,502	80,715	85,881	78,268	61,094
Roti dan kek Bread and cakes	Tan Tonne	340,177	365,620	388,984	407,173	411,561	38,975	40,480	35,345	40,469	32,474
Mee dan bihun Mee and bihun	Tan Tonne	269,337	233,567	222,631	221,766	234,890	19,042	20,077	17,765	19,274	18,609
Sos dan bahan perasa Sos and flavoring ingredients	Tan Tonne	124,722	106,335	89,803	96,079	98,393	7,989	8,175	8,352	6,839	7,153
Kelapa kering Desiccated coconuts	Tan Tonne	5,143	5,655	3,828	3,133	3,208	207	208	234	208	220
Makanan ayam itik campuran Mixed poultry feed	Tan Tonne	2,216,475	2,363,180	2,339,642	2,347,398	2,043,813	207,539	180,865	166,660	160,016	163,320
Hidangan ikan Fish meals	Tan Tonne	57,526	48,941	56,141	57,864	82,677	5,226	5,286	5,288	5,301	4,333
Biskut Biscuits	Tan Tonne	260,585	267,190	255,471	164,524	173,019	13,399	14,792	13,150	12,563	11,931
Gula bertapis Refined sugar	Tan Tonne	1,773,529	1,682,363	1,637,779	1,555,828	1,440,768	116,621	126,108	146,073	136,641	101,525
Minuman manis berkarbonat Sweet beverages (carbonated)	Liter ('000) Litres ('000)	299,179	241,595	156,123	216,319	207,249	22,828	21,563	19,265	18,966	19,167

2020							2021										
Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.
583	490	455	389	488	511	621	564	602	661	501	501	478	450	449	380	495	549
1,354	1,453	1,413	1,297	1,683	1,351	1,485	1,198	1,381	1,104	1,105	1,152	1,199	1,344	1,185	1,156	1,506	1,355
633	630	514	597	572	536	554	480	413	402	491	570	629	656	658	657	665	548
784	597	531	527	610	615	653	556	451	484	519	594	654	556	478	431	518	422
1,846	1,035	1,088	1,179	1,433	1,399	1,708	1,453	1,453	1,581	1,513	1,403	1,631	994	985	1,034	1,226	1,382
747	628	609	515	570	493	594	720	862	858	618	628	772	743	582	584	580	568
1,324	1,208	1,497	1,361	1,377	1,457	1,404	1,528	1,240	1,182	980	1,296	1,147	1,372	1,620	1,561	1,777	1,762
5,021	3,615	3,603	4,886	5,831	5,875	4,594	4,408	3,004	3,135	3,742	5,349	5,231	5,196	5,117	6,667	6,828	6,623
14,200	19,085	16,071	16,975	17,786	16,773	15,378	15,516	13,238	12,013	12,311	14,975	14,971	16,215	14,415	17,202	18,285	18,181
5,271	4,453	4,426	4,753	5,562	5,139	4,719	4,969	4,474	4,026	4,136	5,135	5,271	5,437	5,007	5,450	6,029	5,815
32,427	41,426	25,938	30,910	46,189	31,324	28,314	23,110	29,151	34,721	32,956	30,804	39,649	33,599	42,911	39,153	38,696	31,900
28,795	33,647	30,411	32,801	32,380	33,019	33,329	33,691	27,158	25,988	29,684	29,840	38,395	39,211	39,199	34,320	35,355	35,714
9,007	10,860	8,590	7,852	6,880	6,893	6,752	6,644	5,803	5,553	6,597	6,508	7,143	7,403	7,795	7,904	7,365	7,090
45,356	38,871	49,752	79,042	57,835	50,925	50,053	50,259	63,954	65,041	69,957	53,993	44,906	40,858	54,034	78,126	73,653	58,835
6,050	6,442	5,608	6,426	4,081	4,431	5,227	5,674	6,558	7,223	6,470	6,888	5,950	6,552	6,125	6,440	5,228	4,811
69,102	67,659	66,115	63,751	67,821	67,527	76,450	78,053	80,391	85,606	82,108	80,328	81,302	83,198	85,373	83,646	83,601	86,148
29,449	29,471	31,792	32,701	32,330	30,609	37,467	40,753	49,501	50,528	47,480	39,950	37,072	35,575	36,555	36,176	35,341	35,132
19,416	20,574	19,460	19,789	19,738	21,927	19,218	23,200	22,475	18,788	19,238	17,767	20,936	19,722	20,466	22,715	21,686	22,043
8,388	8,361	8,303	8,288	8,660	9,246	8,639	9,056	8,199	7,372	5,677	5,852	6,555	6,003	6,077	5,637	7,113	6,917
265	306	323	342	353	277	265	255	265	304	304	295	340	368	404	475	494	396
165,762	158,477	162,388	160,446	165,742	158,532	194,067	177,342	161,916	158,123	159,810	150,709	135,194	161,657	173,813	151,381	149,331	181,451
6,793	6,805	7,601	7,198	10,077	9,558	9,211	8,801	9,052	9,308	9,542	7,030	8,995	9,529	10,801	9,247	12,053	13,362
12,535	14,853	14,357	15,868	18,207	17,318	14,045	14,749	15,386	13,001	14,213	12,352	12,730	10,816	12,015	14,023	16,702	16,272
111,110	107,938	111,186	113,750	116,501	121,034	132,281	123,102	122,634	161,649	171,049	123,222	115,493	111,451	115,574	118,908	120,119	142,133
19,294	15,769	14,682	15,241	11,685	12,619	16,170	20,149	18,908	17,921	21,952	21,624	19,336	18,022	19,238	17,423	13,157	13,632

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

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2016	2017	2018	2019	2020					
							Jan.	Feb.	Mac	Apr.	Mei
Minuman manis tidak berkarbonat Sweet beverages (non-carbonated)	Liter ('000) Litres ('000)	2,509,694	2,240,658	2,835,044	3,113,870	2,799,877	256,231	258,632	259,664	245,174	233,358
Air mineral dan minuman Mineral and drinking water	Liter ('000) Litres ('000)	874,245	696,384	540,192	583,031	618,790	47,116	50,639	48,414	48,545	37,041
Kain kapas Cotton cloth	Meter ('000) Metres ('000)	198,014	166,566	150,618	126,941	84,100	9,083	8,818	7,597	5,570	5,605
Seluar lelaki Pants, males	Bilangan ('000) Number ('000)	13,246	11,705	10,997	10,245	8,304	912	819	789	481	622
Kemeja lelaki Shirts, males	Bilangan ('000) Number ('000)	15,688	18,065	20,491	16,859	13,937	1,512	1,212	1,023	512	843
Blaus Blouses	Bilangan ('000) Number ('000)	18,565	16,147	16,824	10,630	6,663	840	855	831	478	534
Pakaian perempuan Dresses	Bilangan ('000) Number ('000)	1,572	4,526	5,332	4,649	3,704	372	377	362	195	239
Kasut getah (semua jenis) Rubber footwear (all types)	Pasang ('000) Pairs ('000)	6,078	5,765	5,173	3,111	2,185	161	152	157	83	100
Kiln kayu kering Kiln dried timber	Tan Tonne	144,417	114,502	103,333	109,904	130,342	10,949	11,212	9,871	5,188	6,989
Kayu gergaji Rubberwood (sawn)	Tan Tonne	90,209	102,052	107,395	122,043	145,231	10,791	13,644	9,509	5,216	7,848
Kepingan venir Veneer sheets	Meter Padu Cubic metre	501,818	442,511	507,664	1,026,098	581,444	81,672	74,339	94,794	37,132	20,509
Papan gentian berkepadatan sederhana Medium density fibreboard	Meter Padu Cubic metre	1,463,679	1,461,672	4,424,935	3,753,461	3,101,939	315,524	284,773	201,130	152,027	168,370
Papan lapis Plywood	Meter Padu Cubic metre	2,484,465	2,306,438	2,347,718	2,142,694	2,767,847	153,571	166,499	227,444	175,728	250,131
Ukiran kayu Timber moulding	Meter Padu Cubic metre	110,064	84,866	84,539	72,081	70,500	5,882	6,592	5,304	2,200	4,662
Kayu balak siap Dressed timber	Meter Padu Cubic metre	7,175	7,131	6,547	5,620	6,761	645	685	501	205	380
Rak dan beg kertas Sacks and bags of paper	Bilangan ('000) Number ('000)	311,518	307,397	326,761	303,730	305,075	20,924	22,273	25,291	19,990	20,819
Kertas tisu Tissue paper	Tan Tonne	85,931	84,394	185,802	94,164	101,978	9,076	8,673	7,251	5,384	7,568
Kertas napkin Napkin paper	Tan Tonne	4,774	8,073	9,394	11,304	9,556	1,577	1,000	832	501	588
Kertas tandas Toilet paper	Tan Tonne	14,542	39,816	101,707	111,369	102,267	11,894	12,506	8,829	5,712	6,377
Minyak tanah Kerosene	Tan Tonne	3,826,161	4,177,301	4,123,364	4,235,615	3,554,047	423,916	376,359	361,196	250,607	207,253
Gas petroleum cecair Liquefied petroleum gas	Tan Tonne	2,625,818	2,608,430	2,721,959	2,900,511	2,525,357	261,021	238,470	234,695	119,593	190,413
Minyak bahan api Fuel oil	Tan Tonne	3,008,035	3,184,767	2,801,698	2,701,437	2,064,280	276,682	275,210	274,593	92,537	133,548
Minyak diesel/gas Diesel/ gas oil	Tan Tonne	11,879,518	12,527,621	12,216,265	13,033,587	10,921,709	1,275,890	1,194,994	1,103,951	390,117	585,292
Gasolin (spirit motor) Gasoline (motor spirit)	Tan Tonne	5,479,378	5,332,088	5,828,082	5,861,572	4,980,906	509,952	530,431	538,247	223,795	250,886
Minyak pelincir campuran Blended lubricating oil	Tan Tonne	83,955	149,902	158,038	138,461	92,387	9,286	8,024	7,372	5,242	5,279

2020								2021									
Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.
234,526	235,426	228,067	229,575	193,076	204,161	221,987	232,259	228,958	226,051	245,230	175,273	152,426	157,738	183,350	151,055	144,862	151,929
44,711	49,070	55,814	61,746	64,359	59,876	51,459	50,777	55,005	54,191	56,054	47,426	45,201	41,149	52,584	56,461	58,199	56,063
6,220	6,220	6,354	6,760	7,183	7,078	7,614	7,043	6,716	7,196	7,652	6,371	6,690	5,371	4,823	4,864	5,405	5,761
814	781	613	572	681	633	588	608	609	601	642	364	414	492	411	410	522	505
1,152	1,307	1,153	1,063	1,464	1,358	1,338	1,354	1,138	978	1,101	1,176	872	1,003	997	977	1,351	1,359
629	573	524	538	274	263	324	379	395	399	459	384	378	458	448	489	293	289
312	221	352	327	337	301	308	304	309	305	371	296	170	154	254	241	263	242
129	172	187	274	302	280	189	166	167	178	180	114	70	95	133	226	276	274
9,365	13,120	12,453	12,231	14,154	12,027	12,783	13,912	14,524	12,265	12,695	11,098	6,943	9,811	9,781	9,714	10,049	8,084
11,989	15,149	14,648	13,786	13,938	15,060	13,653	12,821	15,159	10,056	12,473	12,340	8,289	10,508	11,761	11,796	12,079	12,034
45,134	36,443	42,504	44,524	41,351	31,224	31,818	39,520	39,226	55,237	61,035	31,655	32,134	20,210	18,875	20,842	24,962	25,411
309,487	294,380	279,888	273,023	276,746	276,571	270,020	214,639	179,195	109,587	122,184	110,960	112,487	143,286	194,941	188,445	232,321	255,656
260,499	246,453	260,992	244,521	285,166	238,673	258,170	275,504	307,463	425,264	438,673	397,671	230,379	190,609	175,149	177,600	251,695	275,959
6,636	6,911	6,771	6,182	6,701	6,873	5,786	5,868	6,072	4,752	5,106	5,726	3,075	3,002	3,460	3,917	4,778	4,809
522	692	571	480	617	633	830	961	987	714	795	733	522	480	444	431	587	583
26,392	33,918	26,727	26,018	28,999	28,828	24,895	23,774	24,462	26,995	27,048	25,929	29,392	32,637	34,334	30,999	35,070	34,186
9,455	10,441	8,618	9,670	8,966	8,131	8,746	9,576	8,620	6,917	6,601	6,188	6,221	7,923	8,335	8,822	8,831	9,179
633	569	510	787	880	882	797	801	501	388	371	338	302	340	294	356	499	622
8,051	8,119	8,329	8,329	8,313	7,599	8,209	10,283	9,857	6,405	5,821	5,257	5,310	6,183	4,256	4,826	5,554	5,979
287,869	287,958	289,567	288,465	195,269	280,043	305,545	332,267	293,055	301,694	375,612	321,057	337,191	370,155	352,456	374,492	382,564	347,418
211,604	216,061	214,420	214,028	194,620	214,612	215,821	213,223	203,909	239,647	193,970	235,994	220,013	218,194	221,473	218,058	231,497	257,238
134,491	140,848	142,578	148,154	132,790	152,951	159,898	166,059	190,326	167,009	170,065	160,077	179,344	188,938	189,405	195,965	182,698	150,126
920,763	897,457	888,232	892,871	899,525	856,644	1,015,974	907,393	1,095,877	971,358	659,397	920,180	1,102,513	1,207,303	1,180,704	1,243,919	1,207,886	1,250,656
372,115	397,207	410,063	393,128	455,887	440,551	458,644	474,611	506,710	491,449	474,289	532,995	534,128	598,012	589,966	571,563	602,111	577,920
6,490	7,935	9,747	8,819	8,403	7,837	7,953	6,535	6,090	6,219	7,191	8,230	8,290	10,594	12,664	10,769	10,320	10,231

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

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2016	2017	2018	2019	2020					
							Jan.	Feb.	Mac	Apr.	Mei
Nafta Naphtha	Tan Tonne	4,071,353	4,341,796	4,266,449	4,336,029	3,754,323	398,623	378,555	387,796	350,631	241,784
Gas asli cecair Liquefied natural gas	Tan Tonne	24,620,725	24,619,394	27,785,824	28,689,391	26,576,031	2,582,305	2,480,596	2,465,417	1,432,220	1,479,368
Nitrogen dan oksigen Nitrogen and oxygen	Meter padu ('000) Cubic metre ('000)	688,031	676,429	418,770	416,483	456,279	38,349	38,893	41,237	24,098	30,135
Methanol (methyl alcohol) Methanol (methyl alcohol)	Tan Tonne	2,197,124	2,184,245	6,033,764	6,999,396	4,554,549	546,310	531,404	474,278	334,023	323,472
Baja (termasuk urea) Fertilizers (includes urea)	Tonne Tonne	3,403,960	2,838,245	3,616,402	3,720,847	4,080,289	319,195	304,181	275,674	229,914	194,533
Sebatian P.V.C P.V.C. compound	Tan Tonne	102,858	109,483	109,562	100,843	76,016	7,387	7,352	7,050	5,836	4,208
Racun serangga aerosol (cecair) Aerosol insecticides (liquid)	Liter Litres	10,139,874	9,241,807	7,965,253	7,397,612	7,241,839	630,105	665,324	670,721	612,254	634,721
Racun herba (cecair) Herbicides (liquid)	Liter ('000) Litres ('000)	92,778	54,710	58,626	38,807	55,497	4,020	4,390	4,979	5,250	5,371
Racun herba (bukan cecair) Herbicides (non-liquid)	Tonne Tonne	17,647	12,748	32,139	26,842	43,157	2,833	3,141	3,386	3,433	3,869
Cat emulsi Emulsion paints	Liter ('000) Litres ('000)	98,141	92,222	118,111	101,689	68,600	8,246	9,053	9,025	5,924	4,500
Cat lapis Under-coats	Liter ('000) Litres ('000)	8,612	10,236	14,754	14,977	13,869	1,114	1,161	1,069	631	854
Cat asas Primers	Liter ('000) Litres ('000)	28,677	20,779	24,642	29,629	20,036	2,601	2,446	2,014	956	1,063
Dakwat pencetak Printing ink	Tan Tonne	46,587	41,585	37,543	32,587	35,326	2,390	2,521	2,549	2,478	3,466
Pelembut fabrik Fabric softener	Liter ('000) Litres ('000)	55,289	62,813	65,640	65,858	40,262	4,292	4,189	3,838	2,432	2,949
Sabun mandi Toilet soap	Tan Tonne	34,876	34,143	45,402	45,523	21,028	2,319	2,129	1,858	1,078	1,187
Sabun serbuk (bahan pencuci) Soap powder (detergents)	Tan Tonne	181,569	182,677	148,003	133,244	96,719	7,308	7,652	7,612	5,218	6,875
Pelekat perindustrian Adhesive, industrial	Liter ('000) Litres ('000)	229,756	226,975	241,025	191,096	161,056	14,288	15,505	15,171	12,735	12,372
Tayar pneumatik (semua jenis) Pneumatic tyres (all types)	Bilangan ('000) Number ('000)	15,781	15,190	13,674	13,334	9,131	1,112	1,212	1,160	788	421
Tiub dalam (semua jenis) Inner tubes (all types)	Bilangan ('000) Number ('000)	5,641	5,370	4,825	3,307	1,869	223	211	171	133	84
Getah mutu malaysia (semua gred) S.M.R. (all grades)	Tan Tonne	664,835	773,498	874,609	897,171	972,584	86,603	92,990	95,199	65,537	76,749
Susu getah diproses Processed latex	Tan Tonne	48,696	44,093	26,197	24,553	33,471	2,374	2,872	3,332	2,759	3,129
Sarung tangan getah Rubber gloves	Pasang (Juta) Pairs (Million)	44,427	37,525	54,184	55,404	102,592	5,624	6,418	9,849	11,204	11,398
Kondom Condom	Gross ('000) Gross ('000)	11,358	13,019	9,678	9,237	15,532	929	1,044	1,171	1,239	1,504
Paip P.V.C. P.V.C. pipes	Tan Tonne	134,267	129,894	127,974	141,991	105,091	10,852	10,655	9,341	5,906	6,167
Bata tanah Earthen bricks	Bilangan ('000) Number ('000)	308,150	237,420	275,959	316,411	181,463	25,400	25,001	20,704	7,921	6,598

2020								2021									
Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.
258,289	262,525	275,458	265,424	282,716	272,629	379,892	362,041	343,233	318,554	359,251	258,787	346,846	326,370	306,799	334,974	328,569	306,856
2,244,130	2,178,177	2,125,495	2,218,464	2,350,353	2,431,404	2,588,102	2,446,912	2,566,241	2,624,160	1,974,409	2,366,907	2,562,445	2,651,288	2,452,114	2,098,569	2,334,616	2,553,140
38,962	43,197	40,138	38,833	40,098	38,977	43,363	44,984	49,650	61,237	42,660	45,872	55,962	50,108	39,085	37,093	42,171	46,401
350,342	316,275	534,913	355,264	298,003	198,206	292,059	256,915	321,432	304,278	212,091	255,536	290,342	292,501	377,911	344,269	308,452	308,810
291,781	372,437	413,151	397,404	375,897	456,172	449,950	439,716	414,179	365,543	321,041	277,829	431,781	514,804	620,176	588,288	538,944	674,127
3,378	3,808	5,323	7,117	8,208	8,254	8,095	8,053	8,595	8,546	7,428	5,132	4,375	4,573	6,690	8,589	9,199	8,863
569,015	654,955	634,373	578,705	549,772	556,974	484,920	576,260	619,374	638,421	754,314	548,553	529,015	550,117	611,604	534,337	543,737	594,475
4,501	5,154	5,089	3,216	4,839	3,960	4,730	5,555	6,139	7,026	7,545	5,602	5,021	5,405	5,909	3,518	5,109	5,181
3,622	3,782	3,466	3,527	4,091	3,618	4,389	4,108	4,587	4,992	5,966	5,515	5,435	5,363	5,470	5,497	6,200	5,673
3,572	4,249	4,719	4,652	4,262	5,597	4,802	5,048	5,130	5,288	4,917	4,476	2,923	3,193	4,058	3,572	3,091	4,098
1,167	1,341	1,237	1,160	1,316	1,453	1,365	1,329	1,308	1,126	1,077	1,243	1,557	1,576	1,791	1,718	1,793	1,723
1,201	1,512	1,418	1,275	1,292	1,702	2,557	2,217	2,004	1,559	1,235	1,252	1,280	1,314	1,606	1,569	1,420	1,464
3,155	3,722	3,478	3,401	3,311	2,426	2,429	2,001	2,041	2,021	2,121	2,853	2,685	2,816	2,986	2,681	2,032	2,100
2,763	3,013	3,214	3,251	3,253	3,875	3,193	2,661	2,891	2,893	2,499	2,365	2,162	2,210	2,570	2,805	3,323	3,709
1,587	1,629	1,832	1,552	1,492	2,005	2,360	1,650	1,663	1,610	1,225	1,052	1,319	1,226	1,439	1,360	1,193	1,403
8,004	8,946	9,491	10,485	8,925	8,025	8,178	7,006	7,800	8,000	6,827	7,011	7,604	8,020	9,250	11,078	10,801	9,162
13,815	13,200	12,769	13,075	12,077	12,978	13,071	13,268	13,477	12,609	13,374	14,372	14,815	13,091	12,950	13,076	11,860	11,995
449	505	490	572	785	795	842	841	869	815	764	465	534	572	421	522	833	822
89	126	140	165	157	199	170	148	135	107	110	81	89	116	108	131	147	145
70,136	73,605	73,212	76,788	80,164	84,048	97,554	92,531	90,082	79,908	74,425	56,606	51,636	50,666	59,266	63,052	57,242	69,374
2,824	3,107	2,935	2,441	2,247	2,410	3,042	3,260	3,640	3,922	4,199	3,792	3,304	3,404	3,755	3,309	2,752	2,640
12,652	9,003	6,329	7,010	7,610	7,663	7,832	11,868	12,268	17,351	16,938	16,324	16,276	10,824	7,338	7,065	7,044	6,911
1,813	1,522	1,192	1,489	1,261	1,111	1,257	1,354	1,358	1,550	1,834	1,847	1,921	1,660	1,337	1,590	1,312	1,072
9,470	11,039	8,335	8,425	8,424	8,140	8,337	7,203	9,703	9,904	10,081	8,005	8,470	8,842	7,011	6,332	7,705	8,513
11,583	15,132	12,449	12,013	14,514	16,130	14,019	12,237	14,302	10,752	10,032	7,467	3,020	3,352	4,814	6,390	10,821	13,727

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

Keterangan Produk Product Description	Unit Kuantiti Quantity Unit	2016	2017	2018	2019	2020					
							Jan.	Feb.	Mac	Apr.	Mei
Jubin seramik Ceramic tiles	M. Persegi ('000) Sq. metres ('000)	66,131	44,896	44,612	31,119	31,495	2,309	2,466	2,253	1,082	1,223
Simen (semua jenis) Cement (all types)	Tan ('000) Tonnes ('000)	20,006	18,762	17,556	16,102	19,936	1,377	1,519	1,183	249	1,836
Konkrit campuran siap Ready mixed concrete	Meter padu ('000) Cubic metre ('000)	28,589	30,323	32,047	34,067	34,841	3,318	3,260	3,459	610	1,659
Bumbung genting simen (semua jenis) Cement roofing tiles (all types)	Bilangan ('000) Number ('000)	38,241	36,073	35,472	43,484	47,874	9,857	5,771	5,704	35	306
Cerucuk, tiang konkrit Piles, poles, posts of concrete	Tan Tonne	2,964,698	2,601,180	2,627,848	2,034,572	1,699,228	166,247	187,820	152,968	67,490	95,629
Pasir silika (diproses) Silica sands (processed)	Tan ('000) Tonnes ('000)	277,000	489,242	535,673	393,246	261,872	36,514	26,889	24,621	2,652	2,094
Selak dan kekeras Bolts and nuts	Tan ('000) Tonnes ('000)	476,736	533,123	612,850	584,723	616,367	58,639	60,658	57,280	23,738	24,086
Bar dan batang besi dan keluli Iron and steel bars and rods	Tan Tonne	2,064,169	1,698,226	1,853,029	1,403,863	1,295,505	129,504	155,745	169,290	133,105	117,111
Kepingan besi yang disadur Galvanized iron sheets	Tan Tonne	135,441	145,734	112,648	156,786	152,099	10,370	16,780	15,799	12,710	10,279
Tin timah dan semua tin lain Tin cans and all other tins	Bilangan ('000) Number ('000)	3,714,864	3,539,920	3,739,323	3,131,962	2,683,374	281,164	300,903	235,283	142,279	132,151
Dram besi dan keluli Iron and steel drums	Bilangan ('000) Number ('000)	4,520	4,904	4,560	4,347	3,717	369	406	337	212	212
Dawai besi dan keluli bersadur Galvanised iron and steel wire	Tan Tonne	129,706	119,962	156,534	180,148	131,139	12,337	12,918	11,017	3,990	6,705
Dawai mata punai dan jaring Wire mesh and netting	M. Persegi ('000) Sq. metres ('000)	122,301	138,585	82,809	48,045	28,555	4,182	4,209	3,606	1,354	1,467
Transformer elektrik Electrical transformers	Bilangan ('000) Number ('000)	161,185	183,212	191,478	168,959	202,996	12,214	14,185	15,733	18,429	17,131
Dawai dan kabel yang terlebat Insulated wires and cables	Tan Tonne	86,587	98,756	92,234	95,752	111,184	7,171	8,609	8,327	7,026	8,009
Separa konduktor Semi-conductors	Bil. (Juta) Num. (Million)	13,556	20,111	22,033	28,758	26,699	2,526	2,645	2,502	1,450	1,786
Transistor elektronik Electronic transistors	Bil. (Juta) Num. (Million)	37,553	41,365	36,871	35,582	36,919	3,500	3,781	3,699	2,166	2,596
Litar bersepadu Integrated circuits	Bil. (Juta) Num. (Million)	29,691	27,155	29,828	26,581	34,318	2,578	2,996	2,975	2,480	2,596
Televisyen Television	Bilangan Number	7,744,738	11,446,057	12,609,183	9,934,919	12,228,893	859,495	931,520	1,031,270	780,148	1,569,289
Radio Radios	Bilangan ('000) Number ('000)	13,985	5,291	6,686	8,789	9,363	762	784	628	626	987
Penyaman udara Air-conditioners	Bilangan Number	2,675,644	4,208,937	4,395,397	4,953,912	1,910,268	345,433	330,710	241,551	36,193	37,646
Kereta penumpang Passenger cars	Bilangan Number	503,771	459,558	522,392	533,131	454,805	39,556	37,893	21,087	240	12,022
Kenderaan perdagangan Commercial vehicles	Bilangan Number	61,568	71,990	72,709	57,608	43,691	5,245	5,041	3,549	343	2,094
Wayar abah-abah, kenderaan bermotor Wire harness, motor vehicle	Bilangan ('000) Number ('000)	5,079	6,597	5,377	5,927	6,642	400	423	465	276	423
Motosikal dan skuter Motor cycles and scooters	Bilangan Number	310,854	285,104	251,720	242,789	240,066	20,586	24,115	28,570	0	16,034

2020								2021									
Jun	Jul.	Ogo.	Sept.	Okt.	Nov.	Dis.	Jan.	Feb.	Mac	Apr.	Mei	Jun	Jul.	Ogo.	Sept.	Okt.	Nov.
3,280	3,694	3,562	3,559	3,614	1,661	2,791	2,864	2,887	2,554	2,439	2,452	1,382	1,467	1,861	2,396	3,270	1,820
1,536	1,866	1,871	2,065	2,024	2,155	2,254	2,278	2,459	1,912	1,309	1,211	996	1,130	1,381	1,378	1,655	2,050
3,366	4,096	4,230	2,645	2,677	2,607	2,915	2,792	3,232	3,806	3,072	2,491	2,144	2,531	3,345	2,861	3,077	3,089
3,694	3,774	3,956	3,095	3,435	4,341	3,905	3,586	2,946	4,712	3,227	3,084	2,495	2,727	3,038	3,105	3,291	2,446
147,203	145,365	145,923	151,183	155,425	141,862	142,113	153,597	163,397	129,968	147,657	141,082	88,203	85,850	123,195	131,062	105,587	133,727
2,658	3,321	36,852	22,271	32,904	38,296	32,799	27,038	28,781	25,250	10,684	6,380	5,209	5,263	6,690	6,975	11,774	13,038
44,664	51,612	53,868	50,094	62,864	68,282	60,581	70,373	73,473	71,835	62,095	59,759	54,664	65,126	77,662	76,623	90,287	88,685
118,380	116,736	116,477	63,969	68,266	55,188	51,734	53,941	62,581	50,488	72,428	52,017	50,466	58,501	86,726	58,575	53,988	50,002
9,594	12,789	15,764	13,782	12,323	10,922	10,988	10,445	13,585	16,691	16,165	14,131	10,909	11,196	15,733	16,410	14,921	12,994
163,385	187,046	208,915	251,394	250,671	257,575	272,607	300,331	307,811	233,825	240,244	202,677	196,433	183,377	212,570	260,151	246,369	260,526
275	255	293	331	347	327	353	398	419	338	355	327	313	230	272	326	322	320
8,627	9,951	11,580	14,454	14,336	12,285	12,940	9,237	10,959	9,930	9,045	8,147	8,339	9,921	11,278	15,297	15,316	12,875
1,186	1,361	1,693	2,651	2,360	2,197	2,291	2,073	1,819	1,312	1,616	1,534	1,075	1,090	1,311	1,622	1,755	2,039
18,964	20,197	18,918	18,655	18,501	14,519	15,549	17,578	18,917	19,507	19,813	21,327	21,848	25,556	23,591	23,869	27,347	23,366
10,395	10,103	10,311	11,499	10,995	10,442	8,297	8,970	8,586	9,190	9,525	8,719	11,520	11,616	10,480	14,321	14,621	11,037
2,355	2,383	2,278	2,336	2,425	2,006	2,006	2,181	2,554	2,688	2,346	2,194	2,355	2,375	2,554	2,760	2,658	2,361
3,342	3,063	2,576	2,857	3,221	2,809	3,309	3,642	4,111	4,406	4,251	4,148	4,302	3,797	3,457	3,874	4,125	3,831
2,892	2,997	2,792	3,065	3,113	2,815	3,021	3,130	3,389	3,393	3,964	3,821	3,602	3,307	3,294	3,137	3,415	3,301
1,287,708	846,903	881,197	851,113	916,732	966,875	1,306,643	1,205,109	1,248,946	1,356,207	1,557,202	1,596,688	1,397,708	938,281	991,265	1,055,845	1,156,889	1,129,318
1,002	690	634	733	734	815	969	853	844	601	709	685	733	717	707	894	913	972
105,094	141,473	120,288	112,319	127,920	133,710	177,931	153,930	216,372	221,551	220,950	195,318	181,357	175,910	173,839	160,098	177,582	176,287
43,405	44,828	47,934	49,966	55,063	50,894	51,917	36,186	41,301	58,102	47,764	40,159	246	2,396	12,897	42,556	61,248	53,661
2,849	2,565	2,369	2,400	3,910	6,881	6,445	5,785	7,030	5,816	6,766	6,778	1,341	1,509	2,016	3,964	5,271	8,336
645	669	507	682	781	701	670	635	583	659	572	541	572	581	481	667	885	844
20,510	18,835	21,932	20,173	24,446	21,379	23,486	24,155	25,612	29,443	35,903	19,908	1,995	2,177	2,817	5,082	7,120	8,094



NOTA TEKNIKAL

TECHNICAL NOTES



NOTA TEKNIKAL

1. OBJEKTIF

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

2. PENANDA ARASAN

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

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

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

Kaedah *pro rata*:

$$M^iV = \frac{M^iI}{\sum_{i=1}^{12} M^iI} \times ADT$$

di mana

M^iV pemboleh ubah anggaran bulanan yang dinaik aras

M^iI siri indikator bulanan

ADT data tahunan tahun asas (penanda aras)

Kaedah *extrapolation*:

$$V_t = V_{t-1} * G_{t-1,t}$$

di mana

V_t nilai pemboleh ubah

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

3. SKOP DAN LIPUTAN

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

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

4. SUMBER RANGKA

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

5. JENIS AKTIVITI PERNIAGAAN

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

6. KONSEP DAN DEFINISI

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

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

7. REKA BENTUK PENSAMPELAN

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

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

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

8. SAIZ SAMPEL

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

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

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

RSE = Ralat piawai relatif

Z = Nilai aras keyakinan

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

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

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

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

di mana;

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

N_h = Saiz populasi bagi substrata h

S_h = Sisihan piawai bagi substrata h

n_i = Saiz sampel bagi strata i

h = Substrata

i = Strata

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

9. WAJARAN

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

Wajaran reka bentuk pensampelan pada substrata h adalah seperti berikut :

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

di mana;

N_h = Bilangan populasi bagi substrata h ; dan

n_h = Bilangan sampel bagi substrata h

Wajaran tiada respons pada substrata h adalah seperti berikut :

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

di mana;

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

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

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

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

di mana;

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

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

10. UNIT MELAPOR

Unit melapor bagi survei ini ialah **pertubuhan**. Sesebuah pertubuhan ditakrifkan sebagai "satu unit ekonomi yang bergiat di bawah satu hak milik atau penguasaan tunggal, iaitu di bawah satu entiti yang sah. Ia menjalankan satu jenis aktiviti ekonomi utama di satu tempat / lokasi fizikal". Setiap pertubuhan diberikan klasifikasi industri berdasarkan aktiviti utamanya. Bagi pertubuhan yang menjalankan pelbagai aktiviti, unit yang bergiat dalam aktiviti yang berasingan dalam satu lokasi yang sama adalah terdiri daripada entiti pertubuhan yang berbeza. Oleh itu, setiap cawangan daripada organisasi yang mempunyai pelbagai cawangan di lokasi yang berbeza dari segi konsep dianggap sebagai pertubuhan yang berlainan. Pertubuhan berkenaan diminta memberikan penyata yang berasingan bagi setiap kegiatannya dari segi nilai. Walau bagaimanapun, dari segi praktisnya akaun biasanya disediakan secara berpusat kerana kesukaran untuk memperoleh data yang berasingan bagi setiap unit atau cawangan. Entiti atau enterpris ini akan dianggap sebagai satu unit pelapor dan dibenarkan mengemukakan soal selidik yang menggabungkan semua unit atau cawangannya.

11. NILAI JUALAN

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

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

12. BILANGAN PEKERJA BERGAJI

Bilangan pekerja bergaji meliputi seperti berikut:

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

13. GAJI & UPAH DIBAYAR

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

14. KEPERLUAN KERAHSIAAN

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

15. PINDAAN

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

16. PEMBUNDARAN

Perjumlahan komponen mungkin berbeza dengan angka jumlah besar disebabkan pembundaran.

17. SIMBOL DAN SINGKATAN

Simbol-simbol berikut telah digunakan dalam keseluruhan penerbitan:-

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

RM : Ringgit Malaysia

18. PELARASAN MUSIM

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

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

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

TECHNICAL NOTES

1. OBJECTIVE

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

2. BENCHMARKING

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

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

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

Pro rata Method:

$$M^iV = \frac{M^iI}{\sum_{i=1}^{12} M^iI} x ADT$$

where

MⁱV new derived monthly variables estimates

MⁱI monthly indicator series

ADT annual benchmark data

Extrapolation Method:

$$V_t = V_{t-1} * G_{t-1,t}$$

where

V_t value of variable

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

3. SCOPE AND COVERAGE

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

4. SOURCE OF FRAME

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

5. TYPE OF BUSINESS ACTIVITY

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

6. CONCEPT AND DEFINITION

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

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

7. SAMPLING DESIGN

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

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

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

8. SAMPLE SIZE

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

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

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

RSE = Relative standard error

Z = Value of confidence level

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

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

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

$i = 1, 2, \dots k$

where;

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

N_h = Population size for substratum h

S_h = Standard deviation for substratum h

n_i = Sample size for stratum i

h = Substratum

i = Stratum

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

9. WEIGHTED

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

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

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

where,

N_h = Total population of substratum h ; and

n_h = Total sample of substratum h

Non response weight at substratum h as below:

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

where,

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

n_h = Number of sample size for substratum h

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

$$W'_h = W_h \times NRW_h, h = 1, \dots, 4$$

where,

W_h = Sampling design weight at substratum h

NRW_h = Non response weight at substratum h

10. REPORTING UNIT

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

11. VALUE OF SALES

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

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

12. NUMBER OF PAID EMPLOYEES Number of paid employees cover as follows:

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

13. SALARIES & WAGES PAID

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

14. CONFIDENTIALITY REQUIRED

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

15. REVISIONS

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

16. ROUNDING

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

**17. SYMBOLS AND
ABBREVIATIONS**

The following symbols have been used throughout the publication:-

n.e.c.: not elsewhere classified

RM : Malaysian Ringgit

18. SEASONAL ADJUSTMENT

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

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

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