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MALAYSIA



**INDEKS HARGA PENGELUAR
PENGELUARAN TEMPATAN**

*PRODUCER PRICE INDEX
LOCAL PRODUCTION*

(2010=100)

**MEI
MAY
2017**

**JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS, MALAYSIA**

ISSN 2180 - 1428



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**INDEKS HARGA PENGELUAR
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*PRODUCER PRICE INDEX
LOCAL PRODUCTION*

[2010=100]

MEI 2017
MAY

Tarikh : 30 Jun 2017
Date : 30 June

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS, MALAYSIA

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KATA PENGANTAR

Penerbitan Indeks Harga Pengeluar (IHPR) Pengeluaran Tempatan, Malaysia merupakan penerbitan bulanan yang memaparkan IHPR meliputi lima sektor iaitu Pertanian, perhutanan dan perikanan; Perlombongan; Pembuatan; Bekalan elektrik dan gas; dan Bekalan air. IHPR Pengeluaran Tempatan disusun berdasarkan data Survei Harga Pengeluar yang dilaksanakan pada setiap bulan. Penerbitan ini turut memuatkan data siri masa indeks bagi tahun 2011 hingga 2016.

IHPR telah disusun buat kali pertama dengan menggunakan tahun 1972 sebagai tahun asas. Selepas itu, ia telah diasaskan semula kepada tahun 1978, 1989, 2000, 2005 dan kini kepada 2010 sebagai tahun asas.

Objektif utama penerbitan ini adalah untuk menyediakan penunjuk jangka pendek yang mengukur purata perubahan harga komoditi yang dikenakan oleh pengeluar tempatan dalam sesuatu industri.

Penerbitan ini mengandungi ringkasan penemuan, jadual-jadual terperinci bagi membantu pengguna membuat analisis dan nota teknikal yang menerangkan berkenaan sumber data, metodologi dan konsep yang digunakan dalam penyusunan indeks.

Jabatan merakamkan setinggi-tinggi penghargaan kepada semua pihak yang telah menyumbang secara langsung dan tidak langsung dalam merealisasikan penerbitan ini. Setiap maklum balas dan cadangan daripada semua pihak untuk penambahbaikan penerbitan ini pada masa hadapan amat dihargai.

DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

PREFACE

The publication of Producer Price Index (PPI) Local Production, Malaysia is a monthly publication which presents PPI covering five sectors namely Agriculture, forestry and fishing; Mining; Manufacturing; Electricity and gas supply; and Water supply. PPI is compiled based on the data from the Producer Price Survey which conducted on monthly basis. This publication also includes time series data of index for the years 2011 to 2016.

The PPI was compiled for the first time using 1972 as the base year. Subsequently, it has been rebased to 1978, 1989, 2000, 2005 and now to 2010 as the base year.

The main objective of this publication is to provide short-term indicator that measures the average changes in price of commodities charged by domestic producers of an industry.

This publication contains the summary of findings, detailed tables to facilitate users for analysis and technical notes that explains data sources, methodology and concepts used in the compilation of the index.

The Department gratefully acknowledges the cooperation rendered by all parties who have contributed directly and indirectly in realizing this publication. Every feedback and suggestions towards improving the future publication is highly appreciated.

DR. MOHD UZIR MAHIDIN

Chief Statistician Malaysia

SEPINTAS LALU / SNAPSHOT

IHPR PENGELUARAN TEMPATAN, Mei 2017

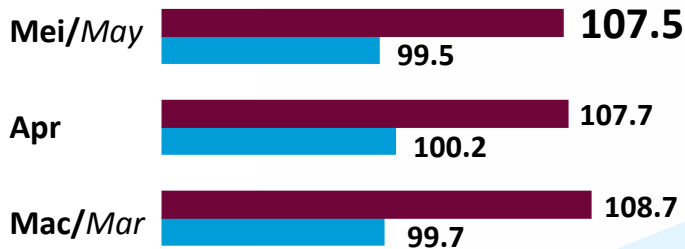
PPI FOR LOCAL PRODUCTION, May 2017

IHPr Pengeluaran Tempatan **naik 8.0%** pada Mei 2017 berbanding Mei 2016

PPI for Local Production **increased 8.0%** in May 2017 compared to May 2016

Indeks Keseluruhan Overall Index

■ 2017 ■ 2016



Perubahan Peratus Percentage Change

Bulan ke Bulan
Month-on-Month

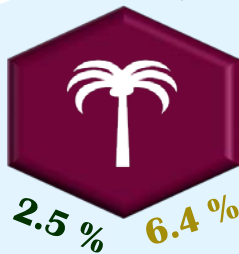
-0.2%

Tahun ke Tahun
Year-on-Year

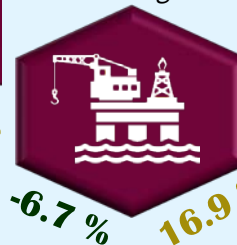
8.0%

Perubahan Peratus mengikut Sektor Percentage Change by Sector

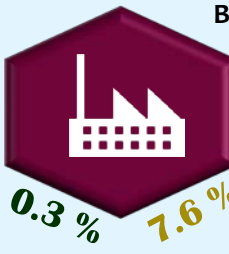
Pertanian, Perhutanan & Perikanan
Agriculture, Forestry & Fishing



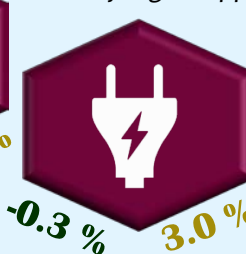
Perlombongan
Mining



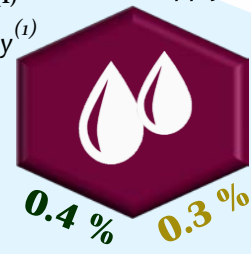
Pembuatan
Manufacturing



Bekalan elektrik & gas
Electricity & gas supply



Bekalan air⁽¹⁾
Water supply⁽¹⁾



Nota: ⁽¹⁾ Harga yang digunakan dalam pengiraan indeks merujuk kepada harga transaksi bersih bagi jualan ouput yang diterima oleh pengeluar.
Note: ⁽¹⁾ The price used in the calculation of the index refers to the net transaction prices for sales of output received by producers.

Perubahan Peratus mengikut Peringkat Pemrosesan Percentage Change by Stage of Processing



Bahan mentah untuk diproseskan selanjutnya
Crude materials for further processing

-1.7%

11.3%



Bahan perantaraan, bekalan dan komponen
Intermediate materials, supplies and components

0.4%

10.1%



Barang siap
Finished goods

0.0%

1.4%



Jumlah
Total

-0.2%

8.0%

Sumber: Indeks Harga Pengeluar Pengeluaran Tempatan (2010=100), Mei 2017

Source: Producer Price Index Local Production (2010=100), May 2017



Department of Statistics, Malaysia
<https://www.dosm.gov.my>



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<https://twitter.com/StatsMalaysia>

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	<i>: PPI (2010=100) for local production, percentage change by stage of processing, Malaysia</i>
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JADUAL 5 <i>TABLE 5</i>	IHPR (2010=100) bagi pengeluaran tempatan, perubahan peratus mengikut seksyen barangan (SITC 4), Malaysia 37
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RINGKASAN PENEMUAN

*SUMMARY OF
FINDINGS*

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RINGKASAN PENEMUAN

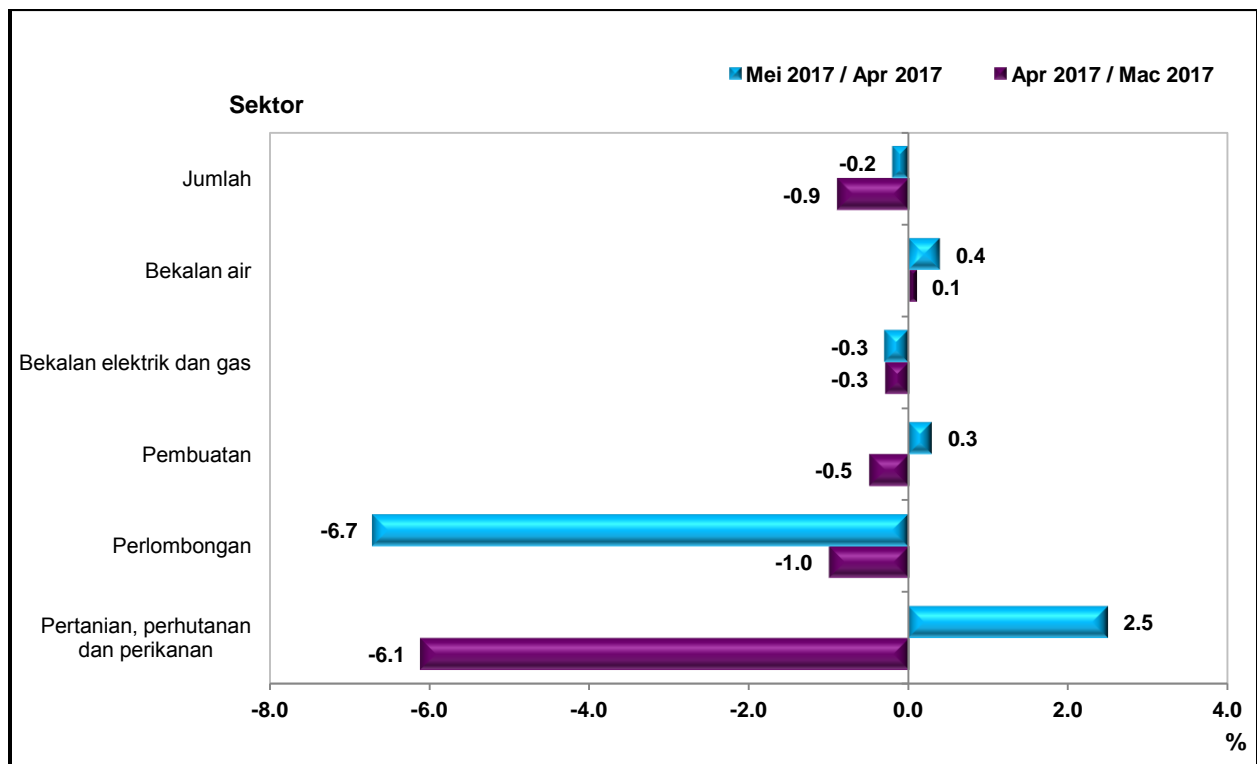
INDEKS HARGA PENGELUAR (IHPR) PENGELUARAN TEMPATAN MEI 2017

Perubahan bulan ke bulan

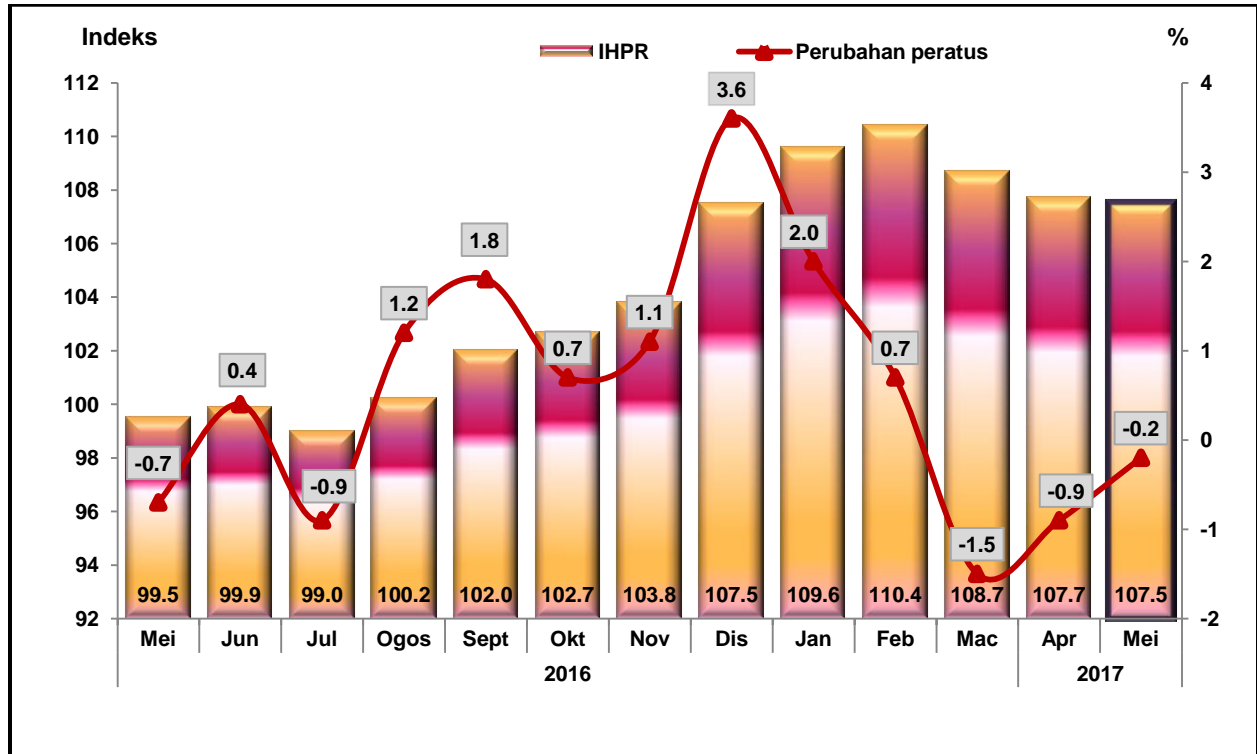
Indeks Harga Pengeluar (IHPR) bagi pengeluaran tempatan turun 0.2 peratus pada Mei 2017 berbanding April 2017. Penurunan indeks keseluruhan dicerminkan oleh harga yang lebih rendah diurusniagakan oleh pengeluar bagi dua sektor iaitu Perlombongan (-6.7%) dan Bekalan elektrik & gas (-0.3%). Sebaliknya, kenaikan indeks dilaporkan bagi Pertanian, perhutanan dan perikanan (+2.5%), Bekalan air (+0.4%) dan Pembuatan (+0.3%).

[Carta 1 dan Jadual 1]

Carta 1 : Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut sektor (MSIC 2008), Mei 2017 / April 2017



Carta 2 : IHPR (2010=100) bagi pengeluaran tempatan dan perubahan peratus, Mei 2016 - Mei 2017

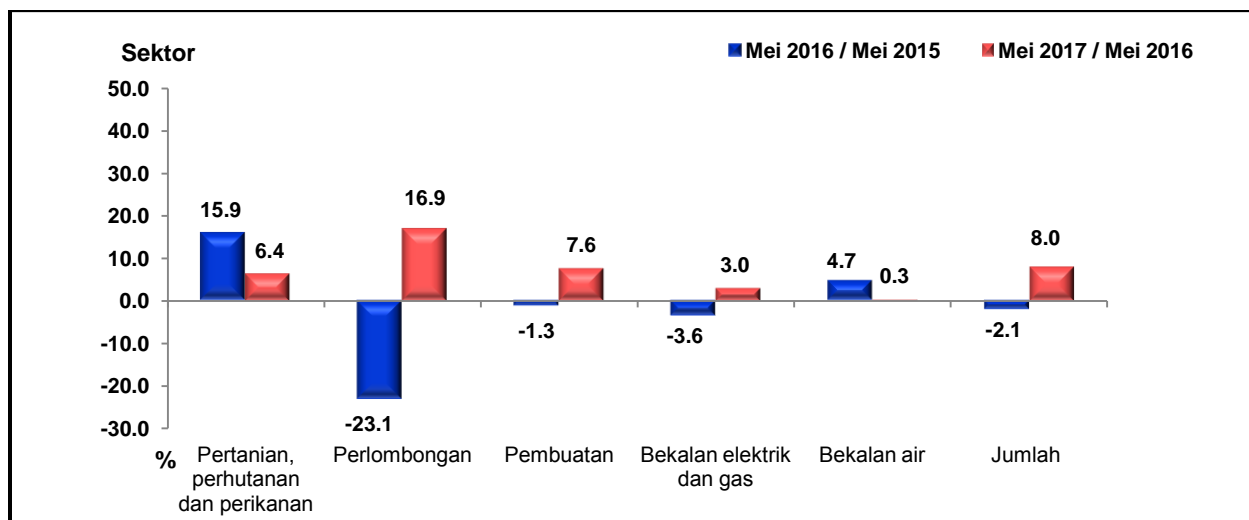


Perubahan tahun ke tahun

Perbandingan tahun ke tahun menunjukkan Indeks Harga Pengeluar (IHPR) pengeluaran tempatan meningkat kepada 8.0 peratus pada Mei 2017. Kenaikan tertinggi dicatatkan oleh indeks Perlombongan (+16.9%) diikuti oleh Pembuatan (+7.6%), Pertanian, perhutanan & perikanan (+6.4%), Bekalan elektrik & gas (+3.0%) dan Bekalan air (+0.3%).

[Carta 3 dan Jadual 1]

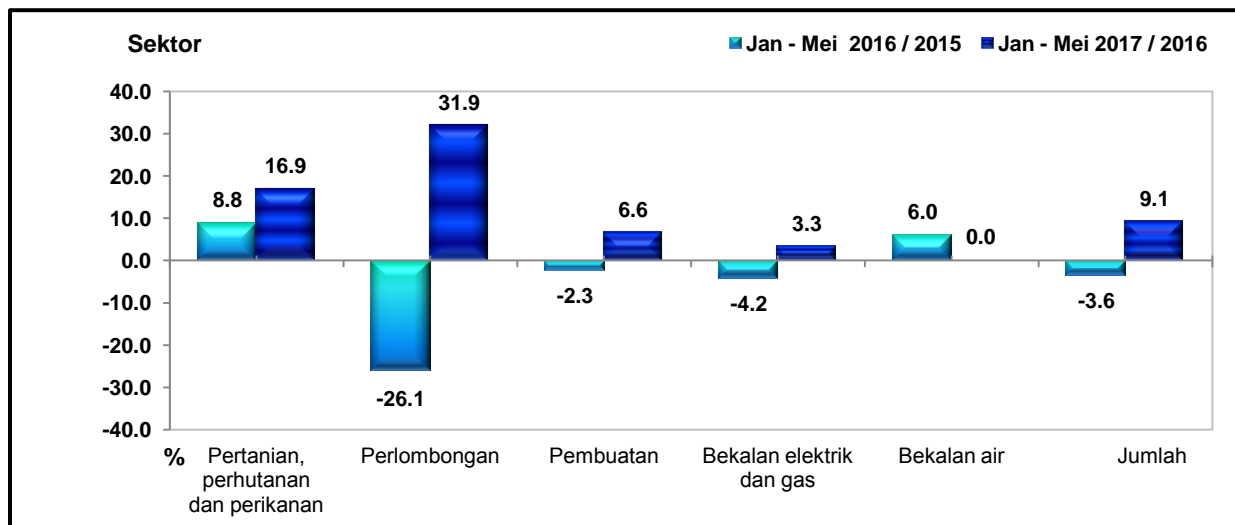
Carta 3 : Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut sektor (MSIC 2008), Mei 2017 / Mei 2016



Perubahan IHPR bagi tempoh Januari - Mei 2017/2016

Pada tempoh Januari - Mei 2017, IHPR purata bagi pengeluaran tempatan naik 9.1 peratus berbanding tempoh yang sama tahun 2016. Ini disebabkan oleh kenaikan indeks bagi empat sektor iaitu Perlombongan (+31.9%), Pertanian, perhutanan & perikanan (+16.9%), Pembuatan (+6.6%) dan Bekalan elektrik dan gas (+3.3%). Walau bagaimanapun, indeks bagi Bekalan air kekal tidak berubah. [Carta 4 dan Jadual 1.1a]

Carta 4 : Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut sektor (MSIC 2008), bagi tempoh Januari - Mei 2017 / 2016



IHPR pengeluaran tempatan mengikut peringkat pemrosesan

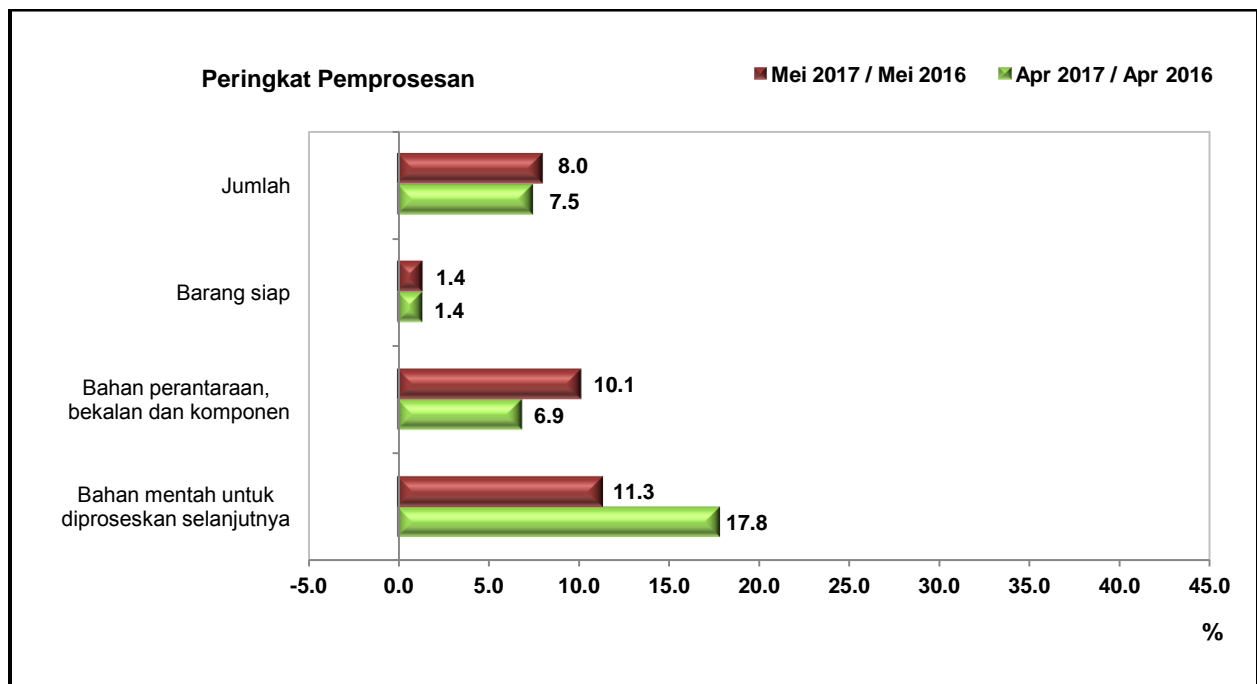
Perubahan bulan ke bulan

IHPR pengeluaran tempatan mengikut peringkat pemrosesan turun 0.2 peratus pada Mei 2017 berbanding bulan sebelumnya. Penurunan ini disebabkan oleh kejatuhan dalam indeks bagi Bahan mentah untuk diproseskan selanjutnya (-1.7%). Walau bagaimanapun, Bahan perantaraan, bekalan dan komponen naik (+0.4%) dan Barang Siap tidak mencatatkan sebarang perubahan.

Perubahan tahun ke tahun

Berbanding bulan yang sama setahun lalu, IHPR pengeluaran tempatan mengikut peringkat pemrosesan bagi Mei 2017 naik 8.0 peratus. Peningkatan ini disebabkan oleh kenaikan indeks Bahan mentah untuk diproseskan selanjutnya (+11.3%), Bahan perantaraan, bekalan dan komponen (+10.1%) dan Barang siap (+1.4%). [Carta 5 dan Jadual 4]

Carta 5 : Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut peringkat pemrosesan, Mei 2017 / Mei 2016



SUMMARY OF FINDINGS

PRODUCER PRICE INDEX (PPI) LOCAL PRODUCTION MAY 2017

Month-on-Month Change

The Producer Price Index (PPI) for local production moved down 0.2 per cent in May 2017 as compared to April 2017. The drop in the overall index was due to lower prices transacted by producers for two sectors that is Mining (-6.7%) and Electricity & gas supply (-0.3%). On the contrary, increases were reported in the indices for Agriculture, forestry and fishing (+2.5%), Water supply (+0.4%) and Manufacturing (+0.3%). [Chart 1 and Table 1]

Chart 1 : Percentage change of PPI (2010=100) for local production by sector (MSIC 2008), May 2017 / April 2017

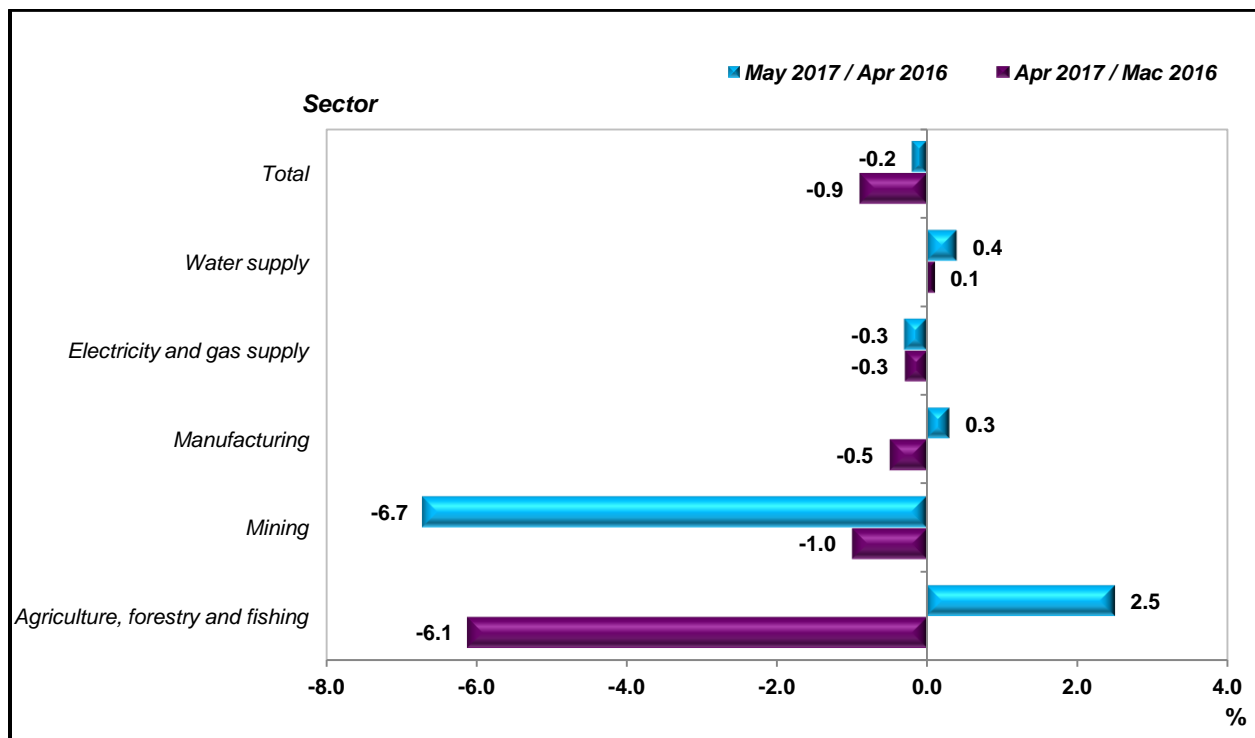
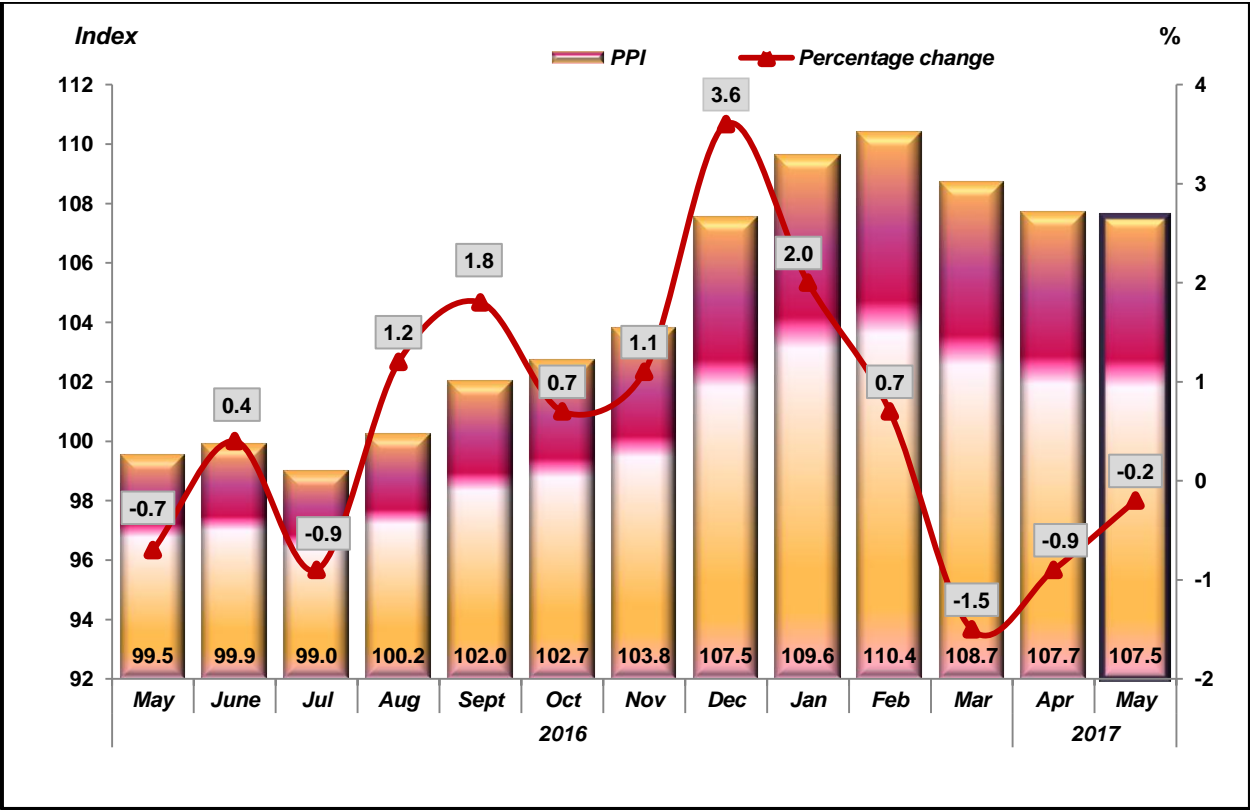


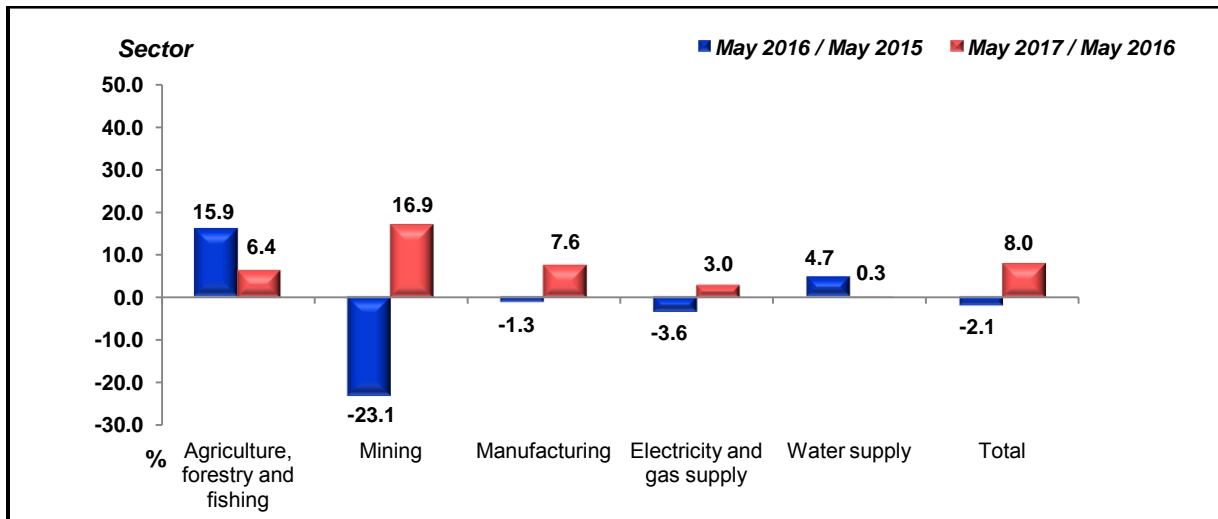
Chart 2 : PPI (2010=100) for local production and percentage change, May 2016 – May 2017



Year-on-Year Change

Year-on-year comparison showed that the Producer Price Index (PPI) for local production increased 8.0 per cent in May 2017. The highest increase was recorded by Mining index (+16.9%) followed by Manufacturing (+7.6%), Agriculture, forestry & fishing (+6.4%), Electricity & gas supply (+3.0%) and Water supply (+0.3%). [Chart 3 and Table 1]

Chart 3 : Percentage change of PPI (2010=100) for local production by sector (MSIC 2008), May 2017 / May 2016

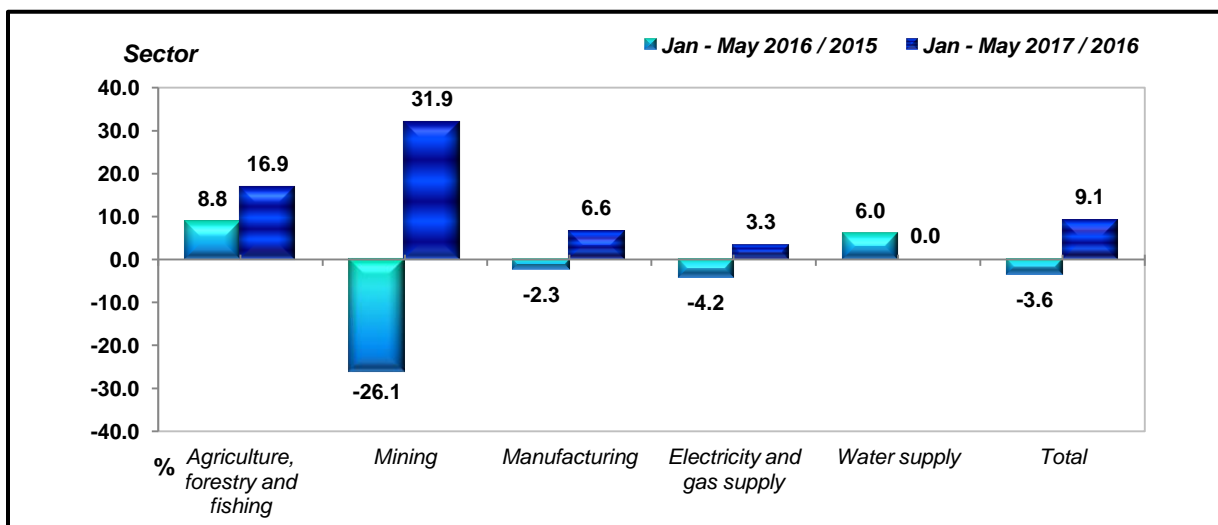


PPI changes for the period January – May 2017/2016

During January - May 2017, the average PPI for local production rose 9.1 per cent as compared to the same period in 2016. This was due to the increases in index for four sectors, that is Mining (+31.9%), Agriculture, forestry & fishing (+16.9%), Manufacturing (+6.6%) and Electricity & gas supply (+3.3%). However, the index for Water supply remain unchanged.

[Chart 4 and Table 1.1a]

Chart 4 : Percentage change of PPI (2010=100) for local production by sector (MSIC 2008), for the period January - May 2017 / 2016



PPI for local production by stage of processing

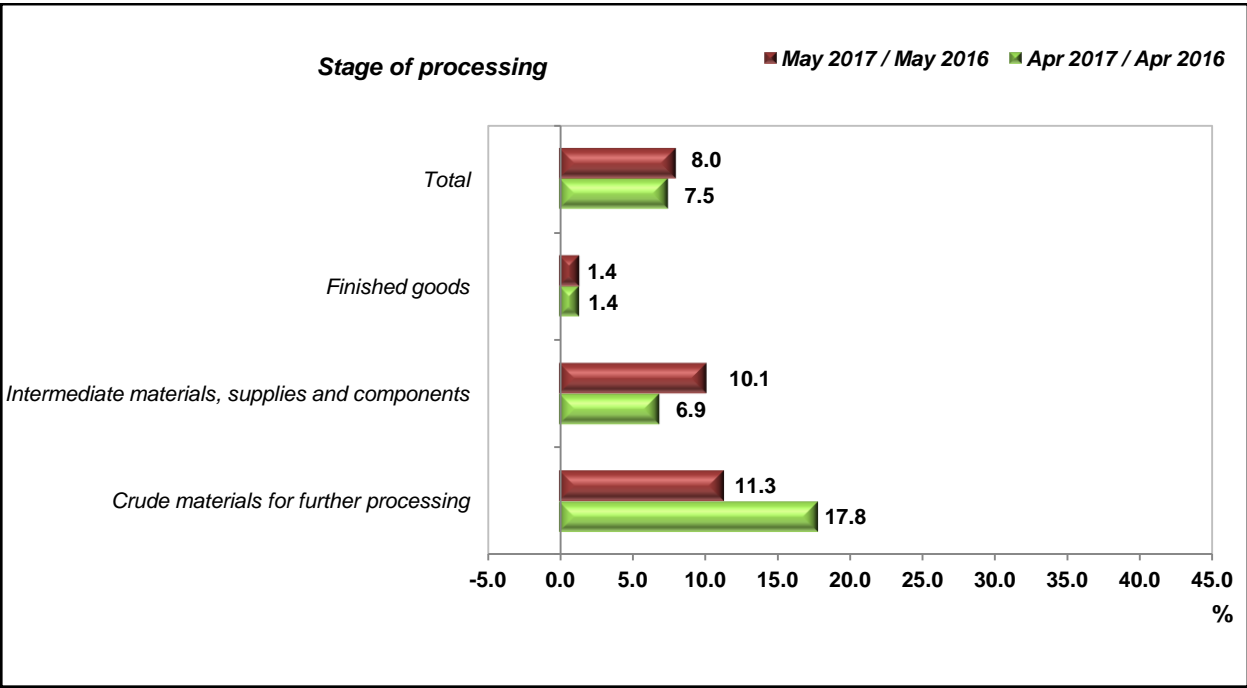
Month-on-Month Change

The PPI for local production by stage of processing (SOP) declined 0.2 per cent in May 2017 compared to the previous month. This decline was due to decrease in the index for Crude materials for further processing (-1.7%). Meanwhile, index for Intermediate materials, supplies and components increased by 0.4 per cent and index for Finished goods remained unchanged.

Year-on-Year Change

As compared with the same month a year ago, the PPI for local production by SOP for May 2017 increased 8.0 per cent. This was due to increases in index for Crude materials for further processing (+11.3%), Intermediate materials, supplies and components (+10.1%) and Finished goods (+1.4%). [Chart 5 and Table 4].

Chart 5 : Percentage change for PPI (2010=100) for local production by stage of processing, May 2017 / May 2016





JADUAL *TABLE*

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JADUAL
TABLE
1
IHPR (2010=100) bagi pengeluaran tempatan, perubahan peratus mengikut sektor (MSIC 2008) dan peringkat pemprosesan, Malaysia
PPI (2010=100) for local production, percentage change by sector (MSIC 2008) and stage of processing, Malaysia

Sektor dan Peringkat pemprosesan <i>Sector and Stage of processing</i>	Kod <i>Code</i>	Wajaran <i>Weights</i>	Indeks <i>Index</i>			Perubahan peratus <i>Percentage change</i>	
			Mei/May 2016	Apr 2017	Mei/May 2017	Apr 2017 - Mei/May 2017	Mei/May 2016 - Mei/May 2017
Jumlah <i>Total</i>		100.00	99.5	107.7	107.5	-0.2	8.0
Pertanian, perhutanan dan perikanan <i>Agriculture, forestry and fishing</i>	A	8.15	105.9	110.0	112.7	2.5	6.4
Perlombongan <i>Mining</i>	B	9.67	72.8	91.2	85.1	-6.7	16.9
Pembuatan <i>Manufacturing</i>	C	78.79	101.7	109.1	109.4	0.3	7.6
Bekalan elektrik dan gas <i>Electricity and gas supply</i>	D	3.05	110.9	114.5	114.2	-0.3	3.0
Bekalan air <i>Water supply</i>	E	0.34	114.2	114.0	114.5	0.4	0.3
IHPR mengikut peringkat pemprosesan <i>PPI by stage of processing</i>		100.00	99.5	107.7	107.5	-0.2	8.0
Bahan mentah untuk diproseskan selanjutnya <i>Crude materials for further processing</i>	1	20.32	93.7	106.1	104.3	-1.7	11.3
Bahan perantaraan, bekalan dan komponen <i>Intermediate materials, supplies and components</i>	2	53.56	100.4	110.1	110.5	0.4	10.1
Barang siap <i>Finished goods</i>	3	26.12	102.4	103.8	103.8	0.0	1.4

JADUAL
TABLE **1.1**

IHPR (2010=100) bagi pengeluaran tempatan, perubahan peratus mengikut sektor, bahagian dan kumpulan (MSIC 2008), Malaysia
PPI (2010=100) for local production, percentage change by sector, division and group (MSIC 2008), Malaysia

Sektor, Bahagian & Kumpulan	Kod Code	Wajaran Weights	Indeks Index			Perubahan peratus Percentage change		Sector, Division & Group
			Mei/May 2016	Apr 2017	Mei/May 2017	Apr 2017 - Mei/May 2017	Mei/May 2016 - Mei/May 2017	
Jumlah		100.00	99.5	107.7	107.5	-0.2	8.0	Total
Pertanian, Perhutanan dan Perikanan	A	8.15	105.9	110.0	112.7	2.5	6.4	Agriculture, forestry and fishing
Pengeluaran tanaman dan ternakan, pemburuan dan aktiviti perkhidmatan berkaitan	01	6.63	101.0	105.7	108.8	2.9	7.7	Crop and animal production, hunting and related services activities
Penanaman tanaman tidak kekal	011	0.45	133.7	134.2	134.9	0.5	0.9	<i>Growing of non-perennial crops</i>
Penanaman tanaman kekal	012	5.55	97.3	102.5	105.6	3.0	8.5	<i>Growing of perennial crops</i>
Pengeluaran ternakan	014	0.63	109.8	113.4	117.8	3.9	7.3	<i>Animal production</i>
Perhutanan dan pembalakan	02	0.57	132.8	126.1	128.6	2.0	-3.2	Forestry and logging
Pembalakan	022	0.57	132.8	126.1	128.6	2.0	-3.2	<i>Logging</i>
Perikanan dan akuakultur	03	0.95	124.3	130.3	130.5	0.2	5.0	Fishing and aquaculture
Perikanan	031	0.64	130.3	140.4	140.3	-0.1	7.7	<i>Fishing</i>
Akuakultur	032	0.31	111.5	108.9	109.9	0.9	-1.4	<i>Aquaculture</i>
Perlombongan	B	9.67	72.8	91.2	85.1	-6.7	16.9	Mining
Pengekstrakan petroleum mentah & gas asli	06	9.67	72.8	91.2	85.1	-6.7	16.9	Extraction of crude petroleum and natural gas
Pengekstrakan petroleum mentah	061	7.42	74.8	96.2	89.9	-6.5	20.2	<i>Extraction of crude petroleum</i>
Pengekstrakan gas asli	062	2.25	66.3	74.6	69.3	-7.1	4.5	<i>Extraction of natural gas</i>
Pembuatan	C	78.79	101.7	109.1	109.4	0.3	7.6	Manufacturing
Pembuatan produk makanan	10	13.63	102.6	111.9	111.2	-0.6	8.4	Manufacture of food products
Pembuatan minyak dan lemak daripada sayuran dan haiwan	104	10.44	98.3	109.6	108.7	-0.8	10.6	<i>Manufacture of vegetable and animal oils and fats</i>
Pembuatan produk tenusu	105	0.63	120.6	127.8	127.7	-0.1	5.9	<i>Manufacture of dairy products</i>
Pembuatan produk bijian, kanji dan produk berkanji	106	0.43	106.2	106.6	106.7	0.1	0.5	<i>Manufacture of grain mill products, starches and starch products</i>
Pembuatan produk makanan lain	107	2.13	117.9	119.2	119.1	-0.1	1.0	<i>Manufacture of other food products</i>
Pembuatan minuman	11	0.63	107.4	106.1	106.1	0.0	-1.2	Manufacture of beverages
Pembuatan minuman ringan	110	0.63	107.4	106.1	106.1	0.0	-1.2	<i>Manufacture of beverages</i>
Pembuatan produk tembakau	12	0.22	115.9	116.5	115.8	-0.6	-0.1	Manufacture of tobacco products
Pembuatan produk tembakau	120	0.22	115.9	116.5	115.8	-0.6	-0.1	<i>Manufacture of tobacco products</i>
Pembuatan tekstil	13	0.47	99.4	100.8	99.2	-1.6	-0.2	Manufacture of textiles
Pemintalan, penenunan dan penyiapan tekstil	131	0.47	99.4	100.8	99.2	-1.6	-0.2	<i>Spinning, weaving and finishing of textiles</i>

**JADUAL
TABLE 1.1**

IHPR (2010=100) bagi pengeluaran tempatan, perubahan peratus mengikut sektor, bahagian dan kumpulan (MSIC 2008), Malaysia (samb.)
PPI (2010=100) for local production, percentage change by sector, division and group (MSIC 2008), Malaysia (cont'd)

Sektor, Bahagian & Kumpulan	Kod Code	Wajaran Weights	Indeks Index			Perubahan peratus Percentage change		Sector, Division & Group
			Mei/May 2016	Apr 2017	Mei/May 2017	Apr 2017 - Mei/May 2017	Mei/May 2016 - Mei/May 2017	
Pembuatan pakaian	14	0.39	104.9	106.2	106.3	0.1	1.3	Manufacture of wearing apparel
Pembuatan pakaian, kecuali pakaian berbulu	141	0.39	104.9	106.2	106.3	0.1	1.3	Manufacture of wearing apparel, except fur apparel
Pembuatan produk kulit dan barangan berkaitan	15	0.09	110.6	104.8	104.6	-0.2	-5.4	Manufacture of leather and related products
Penyamakan dan pembersihan kulit, pembuatan begasi, beg tangan, pelana dan abah-abah, pembersihan dan pewarnaan bulu	151	0.02	108.6	108.6	108.6	0.0	0.0	Tanning and dressing of leather, manufacture of luggage, handbags, saddlery and harness, dressing and dyeing of fur
Pembuatan kasut	152	0.07	111.1	103.8	103.6	-0.2	-6.8	Manufacture of footwear
Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman	16	1.85	128.3	130.9	130.6	-0.2	1.8	Manufacture of wood of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials
Pengilangan dan pengetaman kayu	161	0.53	154.9	155.5	154.7	-0.5	-0.1	Sawmilling and planing of wood
Pembuatan produk daripada kayu, gabus, jerami dan bahan jalinan lain	162	1.32	117.7	121.1	121.0	-0.1	2.8	Manufacture of products of wood, cork, straw and plaiting materials
Pembuatan kertas dan produk kertas	17	1.08	107.2	111.5	112.1	0.5	4.6	Manufacture of paper and paper products
Pembuatan kertas dan produk kertas	170	1.08	107.2	111.5	112.1	0.5	4.6	Manufacture of paper and paper products
Percetakan dan penerbitan semula media rakaman	18	0.73	102.1	102.5	102.5	0.0	0.4	Printing and reproduction of recorded media
Percetakan dan aktiviti perkhidmatan berkaitan percetakan	181	0.73	102.1	102.5	102.5	0.0	0.4	Printing and service activities related to printing
Pembuatan kok dan produk petroleum bertapis	19	11.39	81.8	109.7	112.6	2.6	37.7	Manufacture of coke and refined petroleum products
Pembuatan produk petroleum bertapis	192	11.39	81.8	109.7	112.6	2.6	37.7	Manufacture of refined petroleum products
Pembuatan kimia dan produk kimia	20	7.22	112.6	117.3	117.9	0.5	4.7	Manufacture of chemicals and chemical products
Pembuatan kimia asas, baja dan sebatian nitrogen, plastik dan getah sintetik dalam bentuk primer	201	5.57	114.2	120.1	120.6	0.4	5.6	Manufacture of basic chemicals, fertilizer and nitrogen compounds, plastic and synthetic rubber in primary forms
Pembuatan produk kimia lain	202	1.65	107.3	108.2	108.6	0.4	1.2	Manufacture of other chemical products
Pembuatan produk farmaseutikal asas, kimia perubatan dan botani	21	0.24	110.7	113.3	112.5	-0.7	1.6	Manufacture of basic pharmaceutical products and pharmaceutical preparations
Pembuatan produk farmaseutikal, kimia perubatan dan botani	210	0.24	110.7	113.3	112.5	-0.7	1.6	Manufacture of pharmaceutical, medical chemical and botanical products
Pembuatan produk getah dan plastik	22	5.38	96.9	103.4	102.6	-0.8	5.9	Manufacture of rubber and plastics products
Pembuatan produk getah	221	3.05	89.6	99.6	98.2	-1.4	9.6	Manufacture of rubber products
Pembuatan produk plastik	222	2.33	106.6	108.4	108.3	-0.1	1.6	Manufacture of plastics products

JADUAL
TABLE 1.1

IHPR (2010=100) bagi pengeluaran tempatan, perubahan peratus mengikut sektor, bahagian dan kumpulan (MSIC 2008), Malaysia (samb.)
PPI (2010=100) for local production, percentage change by sector, division and group (MSIC 2008), Malaysia (cont'd)

Sektor, Bahagian & Kumpulan	Kod Code	Wajaran Weights	Indeks Index			Perubahan peratus Percentage change		Sector, Division & Group
			Mei/May 2016	Apr 2017	Mei/May 2017	Apr 2017 - Mei/May 2017	Mei/May 2016 - Mei/May 2017	
Pembuatan produk galian bukan logam lain	23	2.47	111.3	109.9	109.6	-0.3	-1.5	Manufacture of other non-metallic mineral products
Pembuatan kaca dan produk kaca	231	0.53	112.4	113.0	112.8	-0.2	0.4	Manufacture of glass and glass products
Pembuatan pengeluaran galian bukan logam t.t.t.l.	239	1.94	111.1	109.1	108.8	-0.3	-2.1	Manufacture of non-metallic mineral products n.e.c.
Pembuatan logam asas	24	4.50	99.3	105.4	104.6	-0.8	5.3	Manufacture of basic metals
Pembuatan besi dan keluli asas	241	2.88	98.4	102.7	101.4	-1.3	3.0	Manufacture of basic iron and steel
Pembuatan logam asas berharga dan logam bukan ferus lain	242	1.62	100.9	110.2	110.3	0.1	9.3	Manufacture of basic precious and other non-ferrous metals
Pembuatan produk logam, kecuali mesin dan kelengkapan	25	2.23	99.8	102.4	102.4	0.0	2.6	Manufacture of fabricated metal products, except machinery and equipment
Pembuatan produk struktur logam, tangki, takungan dan penjana wap	251	0.59	99.9	102.8	102.9	0.1	3.0	Manufacture of structural metal products, tanks, reservoirs and steam generators
Pembuatan produk lain yang direka daripada logam; aktiviti perkhidmatan kerja logam	259	1.64	99.8	102.2	102.2	0.0	2.4	Manufacture of other fabricated metal products; metal working services activities
Pembuatan komputer, produk elektronik dan optikal	26	18.14	106.4	106.6	106.7	0.1	0.3	Manufacture of computer, electronic and optical products
Pembuatan komponen dan papan elektronik	261	9.18	114.6	116.1	115.9	-0.2	1.1	Manufacture of electronic components and boards
Pembuatan komputer dan kelengkapan peranti	262	3.04	96.0	97.2	98.4	1.2	2.5	Manufacture of computers and peripheral equipment
Pembuatan peralatan komunikasi	263	1.15	100.7	101.7	101.3	-0.4	0.6	Manufacture of communication equipment
Pembuatan peralatan elektronik pengguna	264	4.07	97.5	94.0	94.5	0.5	-3.1	Manufacture of consumer electronics
Pembuatan kelengkapan mengukur, menguji, memandu arah dan kawalan, jam tangan dan jam	265	0.25	84.5	80.6	79.4	-1.5	-6.0	Manufacture of measuring, testing, navigating and control equipment; watches and clocks
Pembuatan peralatan penyinaran, perubahan elektro dan elektroterapeutik	266	0.15	132.3	134.3	135.4	0.8	2.3	Manufacture of irradiation, electromedical and electrotherapeutic equipment
Pembuatan instrumen optikal dan kelengkapan fotografi	267	0.30	106.4	106.6	106.7	0.1	0.3	Manufacture of optical instruments and photographic equipment
Pembuatan kelengkapan elektrik	27	1.96	97.2	105.0	104.9	-0.1	7.9	Manufacture of electrical equipment
Pembuatan motor elektrik, penjana, transformer dan perkakasan pengagihan dan pengawalan elektrik	271	0.69	104.2	104.8	104.6	-0.2	0.4	Manufacture of electric motors, generators, transformers and electricity distribution and control apparatus
Pembuatan pendawaian dan peranti pendawaian	273	0.86	89.8	105.4	105.2	-0.2	17.1	Manufacture of wiring and wiring devices
Pembuatan perkakasan domestik	275	0.41	101.0	104.7	104.6	-0.1	3.6	Manufacture of domestic appliances
Pembuatan jentera dan peralatan t.t.t.l.	28	1.65	102.0	100.8	100.6	-0.2	-1.4	Manufacture of machinery and equipment n.e.c.
Pembuatan jentera kegunaan umum	281	1.17	101.9	100.2	99.8	-0.4	-2.1	Manufacture of general - purpose machinery
Pembuatan jentera kegunaan khas	282	0.48	102.3	102.5	102.5	0.0	0.2	Manufacture of special - purpose machinery
Pembuatan kenderaan bermotor, treler dan semi treler	29	3.35	101.5	104.9	105.0	0.1	3.4	Manufacture of motor vehicles, trailers and semi trailers
Pembuatan kenderaan bermotor	291	2.25	99.7	102.7	102.7	0.0	3.0	Manufacture of motor vehicles
Pembuatan alat ganti dan aksesori untuk kenderaan bermotor	293	1.10	105.2	109.6	109.8	0.2	4.4	Manufacture of parts and accessories for motor vehicles

**JADUAL
TABLE 1.1**
IHPR (2010=100) bagi pengeluaran tempatan, perubahan peratus mengikut sektor, bahagian dan kumpulan (MSIC 2008), Malaysia (samb.)
PPI (2010=100) for local production, percentage change by sector, division and group (MSIC 2008), Malaysia (cont'd)

Sektor, Bahagian & Kumpulan	Kod Code	Wajaran Weights	Indeks Index			Perubahan peratus Percentage change		Sector, Division & Group
			Mei/May 2016	Apr 2017	Mei/May 2017	Apr 2017 - Mei/May 2017	Mei/May 2016 - Mei/May 2017	
Pembuatan kelengkapan pengangkutan lain	30	0.35	112.6	130.5	130.5	0.0	15.9	Manufacture of other transport equipment
Pembuatan kelengkapan pengangkutan t.t.t.l.	309	0.35	112.6	130.5	130.5	0.0	15.9	Manufacture of transport equipment n.e.c.
Pembuatan perabot	31	0.82	107.6	109.4	109.2	-0.2	1.5	Manufacture of furniture
Pembuatan perabot	310	0.82	107.6	109.4	109.2	-0.2	1.5	Manufacture of furniture
Bekalan elektrik dan gas	D	3.05	110.9	114.5	114.2	-0.3	3.0	Electricity and gas supply
Bekalan elektrik dan gas	35	3.05	110.9	114.5	114.2	-0.3	3.0	Electricity and gas supply
Penjanaan, penghantaran dan pengagihan tenaga elektrik	351	2.88	109.2	112.2	111.9	-0.3	2.5	Electric power generation, transmission and distribution
Pembuatan gas; Pengagihan bahan api berunsur gas melalui saluran utama	352	0.17	139.7	154.3	153.7	-0.4	10.0	Manufacture of gas; distribution of gaseous fuels through mains
Bekalan air	E	0.34	114.2	114.0	114.5	0.4	0.3	Water supply
Penakungan, perawatan dan bekalan air	36	0.34	114.2	114.0	114.5	0.4	0.3	Water collection, treatment and supply
Penakungan, perawatan dan bekalan air	360	0.34	114.2	114.0	114.5	0.4	0.3	Water collection, treatment and supply

JADUAL
TABLE **1.1a**

IHPR (2010=100) bagi pengeluaran tempatan, indeks purata, perubahan peratus mengikut sektor (MSIC 2008), Malaysia
PPI (2010=100) for local production, average index, percentage change by sector (MSIC 2008), Malaysia

Sektor	Indeks <i>Index</i>		Perubahan peratus <i>Percentage change</i>	Sector
	Jan - Mei/ <i>May</i> 2016	Jan - Mei/ <i>May</i> 2017		
Jumlah	99.7	108.8	9.1	Total
A Pertanian, perhutanan dan perikanan	101.9	119.1	16.9	A Agriculture, forestry and fishing
B Perlombongan	69.5	91.7	31.9	B Mining
C Pembuatan	102.7	109.5	6.6	C Manufacturing
D Bekalan elektrik dan gas	110.8	114.5	3.3	D Electricity and gas supply
E Bekalan air	113.6	113.6	0.0	E Water supply

JADUAL
TABLE 2
IHPR (2010=100) bagi pengeluaran tempatan mengikut sektor (MSIC 2008), Malaysia
PPI (2010=100) for local production by sector (MSIC 2008), Malaysia

Tempoh Sektor	Jumlah	A Pertanian, Perhutanan & Perikanan	B Perlombongan	C Pembuatan	D Bekalan elektrik dan gas	E Bekalan air
Wajaran (Weights)	100.00	8.15	9.67	78.79	3.05	0.34
2011	112.3	119.6	136.1	109.0	103.9	104.2
2012	111.8	105.9	141.1	109.0	107.2	104.1
2013	108.8	94.2	140.6	106.4	107.9	106.6
2014	110.4	95.9	134.8	108.7	119.0	107.6
2015	102.2	92.2	86.1	104.8	113.5	110.3
2016	101.1	107.2	72.9	103.5	112.5	114.2
2016						
Jan	99.5	95.8	66.9	103.4	111.0	113.0
Feb	99.6	99.0	69.7	102.8	111.2	112.9
Mac/Mar	99.7	102.9	69.1	102.7	111.1	112.8
Apr	100.2	105.8	69.1	103.0	109.9	115.2
Mei/May	99.5	105.9	72.8	101.7	110.9	114.2
Jun/June	99.9	104.9	73.2	102.1	113.3	114.9
Jul/July	99.0	102.0	67.0	102.0	113.0	113.8
Ogos/Aug	100.2	107.9	72.2	102.3	113.4	114.3
Sept	102.0	113.4	71.4	104.0	113.4	114.8
Okt/Oct	102.7	108.8	78.7	104.5	114.3	115.2
Nov	103.8	115.3	75.3	105.7	114.2	114.2
Dis/Dec	107.5	124.4	89.8	107.6	114.7	114.6
2017						
Jan	109.6	127.8	95.5	109.2	114.6	113.0
Feb	110.4	128.0	94.6	110.4	114.5	112.8
Mac/Mar	108.7	117.1	92.1	109.6	114.8	113.9
Apr	107.7	110.0	91.2	109.1	114.5	114.0
Mei/May	107.5	112.7	85.1	109.4	114.2	114.5
<i>Period Sector</i>	<i>Total</i>	<i>Agriculture, forestry & fishing</i>	<i>Mining</i>	<i>Manufacturing</i>	<i>Electricity and gas supply</i>	<i>Water supply</i>

**JADUAL
TABLE 2.1**

IHPR (2010=100) bagi pengeluaran tempatan mengikut sektor (MSIC 2008), indeks asal & pelarasan musim, Malaysia
PPI (2010=100) for local production by sector (MSIC 2008), original & seasonally adjusted index, Malaysia

Tempoh Sektor	Jumlah		A		B	C	D	E
	Indeks asal <i>Original index</i>	Indeks asal <i>Original index</i>	Indeks pelarasan musim (PM) <i>Seasonally adjusted index (SA)</i>	% Perubahan bulan ke bulan (PM) <i>% Change month-on-month (SA)</i>	Indeks asal <i>Original index</i>	Indeks asal <i>Original index</i>	Bekalan elektrik dan gas Indeks asal <i>Original index</i>	Bekalan air Indeks asal <i>Original index</i>
Wajaran (<i>Weights</i>)	100.00		8.15		9.67	78.79	3.05	0.34
2011	112.3	119.6			136.1	109.0	103.9	104.2
2012	111.8	105.9			141.1	109.0	107.2	104.1
2013	108.8	94.2			140.6	106.4	107.9	106.6
2014	110.4	95.9			134.8	108.7	119.0	107.6
2015	102.2	92.2			86.1	104.8	113.5	110.3
2016	101.1	107.2			72.9	103.5	112.5	114.2
2016								
Jan	99.5	95.8	94.4	1.7	66.9	103.4	111.0	113.0
Feb	99.6	99.0	96.4	2.1	69.7	102.8	111.2	112.9
Mac/Mar	99.7	102.9	97.9	1.6	69.1	102.7	111.1	112.8
Apr	100.2	105.8	102.7	4.9	69.1	103.0	109.9	115.2
Mei/May	99.5	105.9	104.2	1.5	72.8	101.7	110.9	114.2
Jun/June	99.9	104.9	103.6	-0.6	73.2	102.1	113.3	114.9
Jul/July	99.0	102.0	101.6	-1.9	67.0	102.0	113.0	113.8
Ogos/Aug	100.2	107.9	112.0	10.2	72.2	102.3	113.4	114.3
Sept	102.0	113.4	118.9	6.2	71.4	104.0	113.4	114.8
Okt/Oct	102.7	108.8	114.3	-3.9	78.7	104.5	114.3	115.2
Nov	103.8	115.3	117.9	3.1	75.3	105.7	114.2	114.2
Dis/Dec	107.5	124.4	125.0	6.0	89.8	107.6	114.7	114.6
2017								
Jan	109.6	127.8	126.0	0.8	95.5	109.2	114.6	113.0
Feb	110.4	128.0	124.5	-1.2	94.6	110.4	114.5	112.8
Mac/Mar	108.7	117.1	111.4	-10.5	92.1	109.6	114.8	113.9
Apr	107.7	110.0	106.7	-4.2	91.2	109.1	114.5	114.0
Mei/May	107.5	112.7	110.9	3.9	85.1	109.4	114.2	114.5
<i>Period Sector</i>	<i>Total</i>		<i>Agriculture, forestry & fishing</i>		<i>Mining</i>	<i>Manufacturing</i>	<i>Electricity and gas supply</i>	<i>Water supply</i>

**JADUAL
TABLE 2.2**
Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut sektor (MSIC 2008), Malaysia
Percentage change of PPI (2010=100) for local production by sector (MSIC 2008), Malaysia

Tempoh Sektor	Jumlah		A		B		C		D		E	
	Pertanian, Perhutanan & Perikanan		Perlombongan		Pembuatan		Bekalan elektrik dan gas		Bekalan air			
	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan (PM)	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan
Wajaran (Weights)	100.00		8.15		9.67		78.79		3.05		0.34	
2011	12.3		19.6		36.1		9.0		3.9		4.2	
2012	-0.4		-11.5		3.7		0.0		3.2		-0.1	
2013	-2.7		-11.0		-0.4		-2.4		0.7		2.4	
2014	1.5		1.8		-4.1		2.2		10.3		0.9	
2015	-7.4		-3.9		-36.1		-3.6		-4.6		2.5	
2016	-1.1		16.3		-15.3		-1.2		-0.9		3.5	
2016												
Jan	-4.4	-1.4	0.6	1.7	-24.7	-16.9	-2.8	-0.4	-4.1	0.2	5.2	-1.0
Feb	-4.8	0.1	4.2	2.1	-27.8	4.2	-3.2	-0.6	-4.2	0.2	8.8	-0.1
Mac/Mar	-3.9	0.1	8.3	1.6	-24.9	-0.9	-2.8	-0.1	-5.0	-0.1	4.6	-0.1
Apr	-2.8	0.5	15.0	4.9	-29.6	0.0	-1.3	0.3	-3.8	-1.1	6.7	2.1
Mei/May	-2.1	-0.7	15.9	1.5	-23.1	5.4	-1.3	-1.3	-3.6	0.9	4.7	-0.9
Jun/June	-1.3	0.4	12.0	-0.6	-9.6	0.5	-1.7	0.4	-1.1	2.2	3.4	0.6
Jul/July	-2.1	-0.9	10.7	-1.9	-17.5	-8.5	-2.0	-0.1	0.6	-0.3	2.9	-1.0
Ogos/Aug	-0.1	1.2	23.3	10.2	-6.7	7.8	-1.6	0.3	1.3	0.4	1.9	0.4
Sept	0.4	1.8	28.3	6.2	-11.3	-1.1	-1.1	1.7	1.4	0.0	2.4	0.4
Okt/Oct	0.1	0.7	16.9	-3.9	-6.1	10.2	-0.9	0.5	2.1	0.8	1.5	0.3
Nov	2.2	1.1	26.7	3.1	-4.8	-4.3	0.6	1.1	3.0	-0.1	0.4	-0.9
Dis/Dec	6.5	3.6	34.5	6.0	11.6	19.3	3.7	1.8	3.5	0.4	0.4	0.4
2017												
Jan	10.2	2.0	33.4	0.8	42.8	6.3	5.6	1.5	3.2	-0.1	0.0	-1.4
Feb	10.8	0.7	29.3	-1.2	35.7	-0.9	7.4	1.1	3.0	-0.1	-0.1	-0.2
Mac/Mar	9.0	-1.5	13.8	-10.5	33.3	-2.6	6.7	-0.7	3.3	0.3	1.0	1.0
Apr	7.5	-0.9	4.0	-4.2	32.0	-1.0	5.9	-0.5	4.2	-0.3	-1.0	0.1
Mei/May	8.0	-0.2	6.4	3.9	16.9	-6.7	7.6	0.3	3.0	-0.3	0.3	0.4
Period Sector	Total		Agriculture, forestry and fishing		Mining		Manufacturing		Electricity and gas supply		Water supply	
	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month (SA)	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month

JADUAL 3
IHPR (2010=100) bagi pengeluaran tempatan mengikut bahagian (MSIC 2008), Malaysia
PPI (2010=100) for local production by division (MSIC 2008), Malaysia

Tempoh Bahagian	Jumlah	01 Pengeluaran, tanaman dan ternakan, pemburuan dan aktiviti perkhidmatan berkaitan	02 Perhutanan dan pembalakan	03 Perikanan dan akuakultur	06 Pengekstrakan petroleum mentah & gas asli	10 Pembuatan produk makanan	11 Pembuatan minuman	12 Pembuatan produk tembakau
Wajaran (Weights)	100.0	6.63	0.57	0.95	9.67	13.63	0.63	0.22
2011	112.3	120.6	130.5	106.3	136.1	119.9	104.0	99.6
2012	111.8	102.5	131.6	114.1	141.1	110.1	104.8	99.6
2013	108.8	89.3	114.3	116.5	140.6	96.9	103.4	105.7
2014	110.4	90.7	113.2	121.7	134.8	103.5	106.9	114.6
2015	102.2	85.9	120.0	119.9	86.1	98.7	106.4	115.9
2016	101.1	103.1	128.3	122.5	72.9	103.8	107.2	115.9
2016								
Jan	99.5	89.3	125.9	122.6	66.9	98.9	107.0	115.9
Feb	99.6	94.0	126.7	117.7	69.7	100.8	106.8	115.9
Mac/Mar	99.7	97.6	131.4	122.8	69.1	102.1	106.8	115.9
Apr	100.2	101.2	131.0	122.4	69.1	102.3	106.2	115.9
Mei/May	99.5	101.0	132.8	124.3	72.8	102.6	107.4	115.9
Jun/June	99.9	100.2	130.0	122.5	73.2	102.7	107.6	115.9
Jul/July	99.0	96.4	127.1	126.1	67.0	101.6	107.7	115.9
Ogos/Aug	100.2	104.1	126.2	123.1	72.2	103.1	107.7	115.9
Sept	102.0	110.7	127.9	123.5	71.4	104.3	107.7	115.9
Okt/Oct	102.7	105.3	127.9	121.3	78.7	106.0	107.7	115.9
Nov	103.8	113.2	126.6	123.4	75.3	108.7	107.7	115.9
Dis/Dec	107.5	124.7	126.6	120.7	89.8	112.1	105.8	115.9
2017								
Jan	109.6	128.4	126.6	123.9	95.5	115.2	105.9	116.5
Feb	110.4	127.8	126.7	129.7	94.6	115.9	106.0	116.1
Mac/Mar	108.7	114.2	125.0	132.2	92.1	114.0	106.2	116.4
Apr	107.7	105.7	126.1	130.3	91.2	111.9	106.1	116.5
Mei/May	107.5	108.8	128.6	130.5	85.1	111.2	106.1	115.8
<i>Period Division</i>	<i>Total</i>	<i>Crop and animal production, hunting and related services</i>	<i>Forestry and logging</i>	<i>Fishing and aquaculture</i>	<i>Extraction of crude petroleum & natural gas</i>	<i>Manufacture of food product</i>	<i>Manufacture of beverages</i>	<i>Manufacture of tobacco products</i>

**JADUAL
TABLE**
3
IHPR (2010=100) bagi pengeluaran tempatan mengikut bahagian (MSIC 2008), Malaysia (samb.)
PPI (2010=100) for local production by division (MSIC 2008), Malaysia (cont'd)

Tempoh Bahagian	13 Pembuatan tekstil	14 Pembuatan pakaian	15 Pembuatan produk kulit dan barangan berkaitan	16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman	17 Pembuatan kertas dan produk kertas	18 Percetakan dan penerbitan semula media rakaman	19 Pembuatan kok dan produk petroleum bertapis	20 Pembuatan kimia dan produk kimia
Wajaran (Weights)	0.47	0.39	0.09	1.85	1.08	0.73	11.39	7.22
2011	95.0	100.6	99.9	114.5	103.6	101.8	121.3	114.6
2012	87.5	101.7	99.8	119.7	102.2	101.8	131.6	112.2
2013	87.7	102.2	99.8	117.8	101.8	102.1	130.5	113.9
2014	93.5	102.5	99.2	118.4	103.3	102.1	133.2	117.7
2015	100.8	103.5	102.4	124.8	103.3	102.1	107.5	116.0
2016	100.5	105.1	110.5	128.7	106.8	102.1	92.7	112.3
2016								
Jan	101.2	104.8	110.6	130.0	105.3	102.1	98.6	113.0
Feb	99.6	104.8	110.6	130.7	106.2	102.1	94.2	110.0
Mac/Mar	105.4	105.0	110.6	128.6	107.0	102.1	93.3	109.3
Apr	99.8	105.2	110.6	129.2	107.2	102.1	92.9	111.1
Mei/May	99.4	104.9	110.6	128.3	107.2	102.1	81.8	112.6
Jun/June	100.6	104.9	110.6	129.2	107.4	102.1	84.1	113.3
Jul/July	100.2	105.3	110.6	128.3	106.7	102.1	87.1	111.4
Ogos/Aug	100.7	105.5	110.6	128.1	106.7	102.1	86.8	111.2
Sept	100.1	104.8	110.6	127.3	106.8	102.1	94.8	112.3
Okt/Oct	98.9	105.0	110.2	127.3	106.8	102.1	96.2	112.6
Nov	98.7	105.8	110.2	128.8	107.1	102.1	98.1	115.2
Dis/Dec	101.5	105.6	110.6	129.0	107.0	102.1	104.5	115.3
2017								
Jan	99.4	105.6	105.7	128.6	108.4	102.5	109.5	115.6
Feb	103.3	105.3	104.9	128.9	109.9	102.5	114.6	116.2
Mac/Mar	100.4	105.5	104.9	130.4	111.0	102.5	109.8	117.0
Apr	100.8	106.2	104.8	130.9	111.5	102.5	109.7	117.3
Mei/May	99.2	106.3	104.6	130.6	112.1	102.5	112.6	117.9

<i>Period Division</i>	<i>Manufacture of textiles</i>	<i>Manufacture of wearing apparel</i>	<i>Manufacture of leather and related products</i>	<i>Manufacture of wood of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials</i>	<i>Manufacture of paper and paper products</i>	<i>Printing and reproduction of recorded media</i>	<i>Manufacture of coke and refined petroleum products</i>	<i>Manufacture of chemicals and chemical products</i>
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**JADUAL
TABLE 3**
IHPR (2010=100) bagi pengeluaran tempatan mengikut bahagian (MSIC 2008), Malaysia (samb.)
PPI (2010=100) for local production by division (MSIC 2008), Malaysia (cont'd)

Tempoh Bahagian	21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani	22 Pembuatan produk getah dan plastik	23 Pembuatan produk galian bukan logam lain	24 Pembuatan logam asas	25 Pembuatan produk logam, kecuali mesin dan kelengkapan	26 Pembuatan komputer, produk elektronik dan optikal	27 Pembuatan kelengkapan elektrik
Wajaran (Weights)	0.24	5.38	2.47	4.50	2.23	18.14	1.96
2011	101.3	110.6	102.4	106.5	101.5	97.8	99.4
2012	104.8	103.2	106.4	104.2	101.3	101.7	98.7
2013	106.2	99.9	107.7	101.0	100.8	101.7	99.8
2014	107.3	96.6	108.6	100.9	100.5	103.3	100.2
2015	107.7	96.3	109.9	98.4	99.7	106.5	99.6
2016	110.7	97.1	111.1	98.1	100.0	106.7	98.3
2016							
Jan	109.5	95.9	109.6	94.9	99.8	107.4	100.4
Feb	109.5	95.7	111	94.9	99.6	107.2	99.2
Mac/Mar	109.3	95.3	111	96.4	99.5	106.2	97.6
Apr	109.7	96.5	111.3	100.0	99.8	106.0	97.2
Mei/May	110.7	96.9	111.3	99.3	99.8	106.4	97.2
Jun/June	110.9	97.0	111.4	98.5	100.1	106.2	98.2
Jul/July	111.2	96.8	111.2	98.1	100.0	105.8	97.8
Ogos/Aug	111.6	97.0	112.1	97.5	100.0	106.3	98.1
Sept	110.9	97.5	112	97.9	100.0	107.1	98.7
Okt/Oct	111.7	97.9	111.4	98.2	100.0	107.1	97.1
Nov	111.2	98.6	110.9	100.5	100.7	106.9	97.3
Dis/Dec	112.2	100.6	110.1	101.3	101.1	107.4	100.6
2017							
Jan	112.2	103.0	109.9	103.3	101.6	106.9	102.5
Feb	113.7	104.0	109.6	104.5	102.2	107.1	103.6
Mac/Mar	113.9	103.9	109.8	104.6	102.3	107.2	103.7
Apr	113.3	103.4	109.9	105.4	102.4	106.6	105.0
Mei/May	112.5	102.6	109.6	104.6	102.4	106.7	104.9

<i>Period Division</i>	<i>Manufacture of basic pharmaceutical products and pharmaceutical preparations</i>	<i>Manufacture of rubber and plastic products</i>	<i>Manufacture of other non-metallic mineral products</i>	<i>Manufacture of basic metals</i>	<i>Manufacture of fabricated metal products, except machinery and equipment</i>	<i>Manufacture of computer, electronic and optical products</i>	<i>Manufacture of electrical equipment</i>
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**JADUAL
TABLE 3**
IHPR (2010=100) bagi pengeluaran tempatan mengikut bahagian (MSIC 2008), Malaysia (samb.)
PPI (2010=100) for local production by division (MSIC 2008), Malaysia (cont'd)

Tempoh Bahagian	28 Pembuatan jentera dan peralatan T.T.T.L.	29 Pembuatan kenderaan bermotor, treler dan semi treler	30 Pembuatan kelengkapan pengangkutan lain	31 Pembuatan perabot	35 Bekalan elektrik dan gas	36 Penakungan, perawatan dan bekalan air
Wajaran (Weights)	1.65	3.35	0.35	0.82	3.05	0.34
2011	99.3	100.5	101.1	102.1	103.9	104.2
2012	99.6	100.4	101.5	104.1	107.2	104.1
2013	99.7	100.9	111.6	105.1	107.9	106.6
2014	100.4	100.7	112.6	105.8	119.0	107.6
2015	101.8	100.6	113.5	108.3	113.5	110.3
2016	102.3	101.7	114.4	107.5	112.5	114.2
2016						
Jan	103.0	100.8	113.8	107.1	111.0	113.0
Feb	103.0	101.0	113.8	107.5	111.2	112.9
Mac/Mar	103.0	101.5	114.2	107.5	111.1	112.8
Apr	102.3	101.4	114.4	107.6	109.9	115.2
Mei/May	102.0	101.5	112.6	107.6	110.9	114.2
Jun/June	102.0	101.8	112.6	107.5	113.3	114.9
Jul/July	102.0	101.7	112.6	107.6	113.0	113.8
Ogos/Aug	102.0	101.8	114.6	107.6	113.4	114.3
Sept	102.1	102.1	114.6	107.6	113.4	114.8
Okt/Oct	102.1	102.2	112.4	107.5	114.3	115.2
Nov	102.7	102.6	112.4	107.5	114.2	114.2
Dis/Dec	101.9	102.3	125.2	107.2	114.7	114.6
2017						
Jan	102.1	103.9	130.5	108.5	114.6	113.0
Feb	101.1	104.2	130.5	108.9	114.5	112.8
Mac/Mar	100.8	104.7	130.5	109.5	114.8	113.9
Apr	100.8	104.9	130.5	109.4	114.5	114.0
Mei/May	100.6	105.0	130.5	109.2	114.2	114.5
<i>Period Division</i>	<i>Manufacture of machinery and equipment n.e.c.</i>	<i>Manufacture of motor vehicles, trailers and semi trailers</i>	<i>Manufacture of other transport equipment</i>	<i>Manufacture of furniture</i>	<i>Electricity and gas</i>	<i>Water collection, treatment and supply</i>

JADUAL
TABLE 3.1

Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut bahagian (MSIC 2008), Malaysia
Percentage change of PPI (2010=100) for local production by division (MSIC 2008), Malaysia

Tempoh Bahagian	Jumlah		01 Pengeluaran, tanaman dan ternakan, pemburuan dan aktiviti perkhidmatan berkaitan		02 Perhutanan dan pembalakan		03 Perikanan dan akuakultur		06 Pengekstrakan petroleum mentah gas asli	
	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan (PM)	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan
Wajaran (Weights)	100.0		6.63		0.57		0.95		9.67	
2011	12.3		20.6		30.5		6.3		36.1	
2012	-0.4		-15.0		0.8		7.3		3.6	
2013	-2.7		-13.0		-13.1		2.2		-0.3	
2014	1.5		1.6		-1.0		4.4		-4.2	
2015	-7.4		-5.3		6.0		-1.5		-36.1	
2016	-1.1		20.0		6.9		2.2		-15.3	
2016										
Jan	-4.4	-1.4	-0.7	1.2	8.2	0.0	2.5	3.5	-24.7	-16.9
Feb	-4.8	0.1	4.8	3.1	10.5	0.6	-2.2	-4.0	-27.8	4.2
Mac/Mar	-3.9	0.1	9.4	1.3	13.1	3.7	0.2	4.3	-24.9	-0.9
Apr	-2.8	0.5	18.2	6.2	12.8	-0.3	0.6	-0.3	-29.6	0.0
Mei/May	-2.1	-0.7	18.0	1.4	17.7	1.4	4.6	1.6	-23.1	5.4
Jun/June	-1.3	0.4	13.7	-0.4	10.3	-2.1	3.4	-1.4	-9.6	0.5
Jul/July	-2.1	-0.9	12.2	-2.5	5.1	-2.2	6.3	2.9	-17.5	-8.5
Ogos/Aug	-0.1	1.2	30.6	13.8	1.9	-0.7	2.4	-2.4	-6.7	7.8
Sept	0.4	1.8	37.0	7.8	2.9	1.3	2.7	0.3	-11.3	-1.1
Okt/Oct	0.1	0.7	22.2	-4.9	2.3	0.0	-0.4	-1.8	-6.1	10.2
Nov	2.2	1.1	34.6	4.0	0.6	-1.0	4.2	1.7	-4.8	-4.3
Dis/Dec	6.5	3.6	45.2	7.6	0.6	0.0	1.9	-2.2	11.6	19.3
2017										
Jan	10.2	2.0	43.8	1.0	0.6	0.0	1.1	2.7	42.8	6.3
Feb	10.8	0.7	36.0	-2.7	0.0	0.1	10.2	4.7	35.7	-0.9
Mac/Mar	9.0	-1.5	17.0	-12.7	-4.9	-1.3	7.7	1.9	33.3	-2.6
Apr	7.5	-0.9	4.4	-5.3	-3.7	0.9	6.5	-1.4	32.0	-1.0
Mei/May	8.0	-0.2	7.7	4.6	-3.2	2.0	5.0	0.2	16.9	-6.7
<i>Period Division</i>	<i>Total</i>		<i>Crop and animal production, hunting and related services activities</i>		<i>Forestry and logging</i>		<i>Fishing and aquaculture</i>		<i>Extraction of crude petroleum & natural gas</i>	
	% Change year-on-year	% Change month-on-month	% Change year-on-year	% Change month-on-month (SA)	% Change year-on-year	% Change month-on-month	% Change year-on-year	% Change month-on-month	% Change year-on-year	% Change month-on-month

JADUAL
TABLE **3.1**

Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut bahagian (MSIC 2008), Malaysia (samb.)
Percentage change of PPI (2010=100) for local production by division (MSIC 2008), Malaysia (cont'd)

Tempoh Bahagian	10 Pembuatan produk makanan		11 Pembuatan minuman		12 Pembuatan produk tembakau		13 Pembuatan tekstil	
	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan (PM)	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan
Wajaran (Weights)	13.63		0.63		0.22		0.47	
2011	19.9		4.0		-0.4		-5.0	
2012	-8.1		0.7		0.0		-7.9	
2013	-12.0		-1.3		6.1		0.2	
2014	6.8		3.5		8.4		6.6	
2015	-4.7		-0.5		1.1		7.7	
2016	-4.6		-0.5		1.1		-0.3	
2016								
Jan	-1.8	-0.5	1.2	0.0	0.0	0.0	1.0	-0.1
Feb	-0.5	-0.2	0.6	-0.2	0.0	0.0	-1.2	-1.6
Mac/Mar	1.4	0.9	0.6	0.0	0.0	0.0	4.8	5.8
Apr	3.5	0.9	-0.4	-0.6	0.0	0.0	-0.3	-5.3
Mei/May	4.4	0.6	1.1	1.1	0.0	0.0	-0.8	-0.4
Jun/June	3.9	0.5	1.4	0.2	0.0	0.0	0.4	1.2
Jul/July	3.0	-0.2	0.9	0.1	0.0	0.0	-1.0	-0.4
Ogos/Aug	6.0	2.2	0.9	0.0	0.0	0.0	3.2	0.5
Sept	8.1	2.8	0.9	0.0	0.0	0.0	1.8	-0.6
Okt/Oct	8.7	1.3	1.0	0.0	0.0	0.0	-6.9	-1.2
Nov	11.3	1.9	1.1	0.0	0.0	0.0	-3.8	-0.2
Dis/Dec	14.6	2.6	-1.1	-1.8	0.0	0.0	0.2	2.8
2017								
Jan	16.5	2.0	-1.0	0.1	0.5	0.5	-1.8	-2.1
Feb	15.0	-1.4	-0.7	0.1	0.2	-0.3	3.7	3.9
Mac/Mar	11.7	-2.2	-0.6	0.2	0.4	0.3	-4.7	-2.8
Apr	9.4	-1.1	-0.1	-0.1	0.5	0.1	1.0	0.4
Mei/May	8.4	-0.2	-1.2	0.0	-0.1	-0.6	-0.2	-1.6
<i>Period Division</i>	<i>Manufacture of food product</i>		<i>Manufacture of beverages</i>		<i>Manufacture of tobacco products</i>		<i>Manufacture of textiles</i>	
	% <i>Change year- on-year</i>	% <i>Change month- on-month (SA)</i>	% <i>Change year- on-year</i>	% <i>Change month- on-month</i>	% <i>Change year- on-year</i>	% <i>Change month- on-month</i>	% <i>Change year- on-year</i>	% <i>Change month- on-month</i>

JADUAL
TABLE 3.1

Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut bahagian (MSIC 2008), Malaysia (samb.)
Percentage change of PPI (2010=100) for local production by division (MSIC 2008), Malaysia (cont'd)

Tempoh Bahagian	14 Pembuatan pakaian		15 Pembuatan produk kulit dan barangan berkaitan		16 Pembuatan kayu dan produk kayu dan gabus, kecuali perabot; pembuatan bagi artikel jerami dan bahan-bahan anyaman		17 Pembuatan kertas dan produk kertas	
	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan
Wajaran (Weights)	0.39		0.09		1.85		1.08	
2011	0.6		-0.1		14.6		3.6	
2012	1.0		-0.1		4.5		-1.3	
2013	0.5		0.0		-1.6		-0.4	
2014	0.4		-0.6		0.5		1.5	
2015	1.0		3.2		5.4		0.0	
2016	1.5		7.9		3.1		3.4	
2016								
Jan	1.8	-0.1	11.6	6.4	8.2	0.9	2.6	0.5
Feb	1.8	0.0	11.6	0.0	7.2	0.5	4.0	0.9
Mac/Mar	2.4	0.2	11.6	0.0	4.8	-1.6	3.8	0.8
Apr	2.4	0.2	9.0	0.0	5.0	0.5	4.4	0.2
Mei/May	1.7	-0.3	7.1	0.0	4.3	-0.7	4.2	0.0
Jun/June	1.5	0.0	7.1	0.0	4.9	0.7	4.1	0.2
Jul/July	1.7	0.4	7.1	0.0	3.5	-0.7	3.6	-0.7
Ogos/Aug	1.7	0.2	6.4	0.0	0.9	-0.2	3.3	0.0
Sept	0.9	-0.7	6.4	0.0	0.4	-0.6	3.2	0.1
Okt/Oct	0.6	0.2	6.1	-0.4	-0.5	0.0	2.8	0.0
Nov	1.3	0.8	6.1	0.0	-0.2	1.2	2.5	0.3
Dis/Dec	0.7	-0.2	6.4	0.4	0.2	0.2	2.1	-0.1
2017								
Jan	0.8	0.0	-4.4	-4.4	-1.1	-0.3	2.9	1.3
Feb	0.5	-0.3	-5.2	-0.8	-1.4	0.2	3.5	1.4
Mac/Mar	0.5	0.2	-5.2	0.0	1.4	1.2	3.7	1.0
Apr	1.0	0.7	-5.2	-0.1	1.3	0.4	4.0	0.5
Mei/May	1.3	0.1	-5.4	-0.2	1.8	-0.2	4.6	0.5

Period Division	Manufacture of wearing apparel		Manufacture of leather and related products		Manufacture of wood of products of wood and cork, except furniture; manufacture of articles of straw and plaiting materials		Manufacture of paper and paper products	
	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month

JADUAL
TABLE 3.1

Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut bahagian (MSIC 2008), Malaysia (samb.)
Percentage change of PPI (2010=100) for local production by division (MSIC 2008), Malaysia (cont'd)

Tempoh Bahagian	18 Percetakan dan penerbitan semula media rakaman		19 Pembuatan kok dan produk petroleum bertapis		20 Pembuatan kimia dan produk kimia		21 Pembuatan produk farmaseutikal asas, kimia perubatan dan botani		
	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	
Wajaran (Weights)	0.73		11.39		7.22		0.24		
2011	1.8		21.3		14.6		1.3		
2012	0.0		8.5		-2.1		3.4		
2013	0.3		-0.8		1.5		1.4		
2014	0.0		2.0		3.4		1.0		
2015	0.0		-19.3		-1.5		0.3		
2016	0.0		-13.8		-3.2		2.8		
2016	Jan	0.0	0.0	-17.6	-2.5	-1.8	-0.6	2.4	0.3
	Feb	0.0	0.0	-19.5	-4.5	-4.0	-2.7	2.6	0.0
	Mac/Mar	0.0	0.0	-16.6	-1.0	-6.6	-0.6	2.3	-0.2
	Apr	0.0	0.0	-11.4	-0.4	-5.2	1.6	2.1	0.4
	Mei/May	0.0	0.0	-14.9	-11.9	-3.7	1.4	3.1	0.9
	Jun/June	0.0	0.0	-17.3	2.8	-3.6	0.6	3.4	0.2
	Jul/July	0.0	0.0	-14.9	3.6	-5.9	-1.7	3.5	0.3
	Ogos/Aug	0.0	0.0	-16.3	-0.3	-4.0	-0.2	4.1	0.4
	Sept	0.0	0.0	-14.4	9.2	-3.2	1.0	3.3	-0.6
	Okt/Oct	0.0	0.0	-14.5	1.5	-1.3	0.3	2.2	0.7
	Nov	0.0	0.0	-9.7	2.0	-0.1	2.3	1.7	-0.4
	Dis/Dec	0.0	0.0	3.4	6.5	1.4	0.1	2.7	0.9
2017	Jan	0.4	0.4	11.1	4.8	2.3	0.3	2.5	0.0
	Feb	0.4	0.0	21.7	4.7	5.6	0.5	3.8	1.3
	Mac/Mar	0.4	0.0	17.7	-4.2	7.0	0.7	4.2	0.2
	Apr	0.4	0.0	18.1	-0.1	5.6	0.3	3.3	-0.5
	Mei/May	0.4	0.0	37.7	2.6	4.7	0.5	1.6	-0.7
Period Division	Printing and reproduction of recorded media		Manufacture of coke and refined petroleum products		Manufacture of chemicals and chemical products		Manufacture of basic pharmaceutical products and pharmaceutical preparations		
	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	

JADUAL
TABLE 3.1

Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut bahagian (MSIC 2008), Malaysia (samb.)
Percentage change of PPI (2010=100) for local production by division (MSIC 2008), Malaysia (cont'd)

Tempoh Bahagian	22 Pembuatan produk getah dan plastik		23 Pembuatan produk galian bukan logam lain		24 Pembuatan logam asas		25 Pembuatan produk logam, kecuali mesin dan kelengkapan	
	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan
Wajaran (Weights)	5.38		2.47		4.50		2.23	
2011	10.6		2.3		6.5		1.5	
2012	-6.7		4.0		-2.1		-0.2	
2013	-3.3		1.2		-3.0		-0.6	
2014	-3.2		0.9		-0.1		-0.3	
2015	-0.3		1.2		-2.5		-0.8	
2016	0.8		1.1		-0.3		0.3	
2016								
Jan	0.4	0.0	0.5	-0.1	-5.6	-0.9	-0.1	0.4
Feb	0.2	-0.2	2.2	1.3	-5.8	0.0	-0.5	-0.2
Mac/Mar	-0.2	-0.4	1.6	0.0	-3.6	1.6	-0.4	-0.1
Apr	0.7	1.3	1.3	0.3	0.3	3.7	0.1	0.3
Mei/May	0.8	0.4	0.9	0.0	-0.2	-0.7	0.2	0.0
Jun/June	0.1	0.1	1.1	0.1	-0.2	-0.8	0.4	0.3
Jul/July	-0.4	-0.2	0.5	-0.2	0.4	-0.4	0.4	-0.1
Ogos/Aug	0.2	0.2	1.4	0.8	-0.4	-0.6	0.7	0.0
Sept	0.2	0.5	1.5	-0.1	0.3	0.4	0.3	0.0
Okt/Oct	1.0	0.4	1.2	-0.5	1.9	0.3	0.3	0.0
Nov	2.2	0.7	1.1	-0.4	4.5	2.3	1.1	0.7
Dis/Dec	4.9	2.0	0.4	-0.7	5.7	0.8	1.7	0.4
2017								
Jan	7.4	2.4	0.3	-0.2	8.9	2.0	1.8	0.5
Feb	8.7	1.0	-1.3	-0.3	10.1	1.2	2.6	0.6
Mac/Mar	9.0	-0.1	-1.1	0.2	8.5	0.1	2.8	0.1
Apr	7.2	-0.5	-1.3	0.1	5.4	0.8	2.6	0.1
Mei/May	5.9	-0.8	-1.5	-0.3	5.3	-0.8	2.6	0.0

Period Division	Manufacture of rubber and plastic products		Manufacture of other non-metallic mineral products		Manufacture of basic metals		Manufacture of fabricated metal products, except machinery and equipment	
	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month

**JADUAL
TABLE 3.1**
Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut bahagian (MSIC 2008), Malaysia (samb.)
Percentage change of PPI (2010=100) for local production by division (MSIC 2008), Malaysia (cont'd)

Tempoh Bahagian	26 Pembuatan komputer, produk elektronik dan optikal		27 Pembuatan kelengkapan elektrik		28 Pembuatan jentera dan peralatan T.T.T.L.		29 Pembuatan kenderaan bermotor, treler dan semi treler	
	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan
Wajaran (Weights)	18.14		1.96		1.65		3.35	
2011	-2.2		-0.6		-0.7		0.5	
2012	4.0		-0.7		0.3		-0.1	
2013	0.0		1.1		0.1		0.5	
2014	1.6		0.4		0.7		-0.2	
2015	3.1		-0.6		1.3		-0.1	
2016	0.2		-1.3		0.5		1.1	
2016								
Jan	2.2	-0.4	0.0	0.4	1.7	0.1	0.3	0.1
Feb	1.4	-0.2	0.0	-1.2	1.3	0.0	0.6	0.2
Mac/Mar	0.1	-0.9	-1.2	-1.6	1.5	0.0	1.0	0.5
Apr	-0.2	-0.2	-1.7	-0.4	0.1	-0.7	1.0	-0.1
Mei/May	0.3	0.4	-1.5	0.0	0.7	-0.3	1.0	0.1
Jun/June	0.6	-0.2	-1.2	1.0	0.4	0.0	1.2	0.3
Jul/July	0.1	-0.4	-2.1	-0.4	0.8	0.0	1.1	-0.1
Ogos/Aug	-0.1	0.5	-1.7	0.3	0.8	0.0	1.3	0.1
Sept	-0.3	0.8	-1.3	0.6	0.1	0.1	1.4	0.3
Okt/Oct	-0.4	0.0	-3.2	-1.6	0.0	0.0	1.4	0.1
Nov	-0.9	-0.2	-2.3	0.2	0.6	0.6	1.5	0.4
Dis/Dec	-0.4	0.5	0.6	3.4	-1.0	-0.8	1.6	-0.3
2017								
Jan	-0.5	-0.5	2.1	1.9	-0.9	0.2	3.1	1.6
Feb	-0.1	0.2	4.4	1.1	-1.8	-1.0	3.2	0.3
Mac/Mar	0.9	0.1	6.3	0.1	-2.1	-0.3	3.2	0.5
Apr	0.6	-0.6	8.0	1.3	-1.5	0.0	3.5	0.2
Mei/May	0.3	0.1	7.9	-0.1	-1.4	-0.2	3.4	0.1

Period Division	Manufacture of computer, electronic and optical products		Manufacture of electrical equipment		Manufacture of machinery and equipment n.e.c.		Manufacture of motor vehicles, trailers and semi trailers	
	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month

**JADUAL
TABLE 3.1**
Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut bahagian (MSIC 2008), Malaysia (samb.)
Percentage change of PPI (2010=100) for local production by division (MSIC 2008), Malaysia (cont'd)

Tempoh Bahagian	30		31		35		36	
	Pembuatan kelengkapan pengangkutan lain		Pembuatan perabot		Bekalan elektrik dan gas		Penakungan, perawatan dan bekalan air	
	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan
Wajaran (Weights)	0.35		0.82		3.05		0.34	
2011	1.1		2.1		3.9		4.2	
2012	0.4		2.0		3.2		-0.1	
2013	9.9		1.0		0.6		2.5	
2014	0.9		0.7		10.3		0.9	
2015	0.8		2.3		-4.6		2.5	
2016	0.8		-0.7		-0.9		3.5	
2016								
Jan	-0.8	0.0	0.8	-2.2	-4.1	0.2	5.2	-1.0
Feb	-0.9	0.0	0.7	0.4	-4.2	0.2	8.8	-0.1
Mac/Mar	-0.5	0.4	0.4	0.0	-5.0	-0.1	4.6	-0.1
Apr	1.6	0.2	0.2	0.1	-3.8	-1.1	6.7	2.1
Mei/May	0.0	-1.6	0.1	0.0	-3.6	0.9	4.7	-0.9
Jun/June	0.6	0.0	-1.2	-0.1	-1.1	2.2	3.4	0.6
Jul/July	-1.0	0.0	-1.1	0.1	0.6	-0.3	2.9	-1.0
Ogos/Aug	0.8	1.8	-1.3	0.0	1.3	0.4	1.9	0.4
Sept	2.2	0.0	-1.4	0.0	1.4	0.0	2.4	0.4
Okt/Oct	-1.2	-1.9	-1.7	-0.1	2.1	0.8	1.5	0.3
Nov	-1.2	0.0	-1.8	0.0	3.0	-0.1	0.4	-0.9
Dis/Dec	10.0	11.4	-2.1	-0.3	3.5	0.4	0.4	0.4
2017								
Jan	14.7	4.2	1.3	1.2	3.2	-0.1	0.0	-1.4
Feb	14.7	0.0	1.3	0.4	3.0	-0.1	-0.1	-0.2
Mac/Mar	14.3	0.0	1.9	0.6	3.3	0.3	1.0	1.0
Apr	14.1	0.0	1.7	-0.1	4.2	-0.3	-1.0	0.1
Mei/May	15.9	0.0	1.5	-0.2	3.0	-0.3	0.3	0.4
<i>Period Division</i>	<i>Manufacture of other transport equipment</i>		<i>Manufacture of furniture</i>		<i>Electricity and gas supply</i>		<i>Water collection, treatment and supply</i>	
	% <i>Change year- on-year</i>	% <i>Change month- on-month</i>	% <i>Change year- on-year</i>	% <i>Change month- on-month</i>	% <i>Change year- on-year</i>	% <i>Change month- on-month</i>	% <i>Change year- on-year</i>	% <i>Change month- on-month</i>

**JADUAL
TABLE 4**

IHPR (2010=100) bagi pengeluaran tempatan, perubahan peratus mengikut peringkat pemprosesan, Malaysia
PPI (2010=100) for local production, percentage change by stage of processing, Malaysia

Peringkat pemprosesan	Indeks <i>Index</i>			Perubahan peratus <i>Percentage change</i>		Stage of processing
	Mei/May 2016	Apr 2017	Mei/May 2017	Apr 2017 - Mei/May 2017	Mei/May 2016 - Mei/May 2017	
Bahan mentah untuk diproseskan selanjutnya	93.7	106.1	104.3	-1.7	11.3	Crude materials for further processing
Bahan makanan dan makanan untuk binatang	123.0	129.6	131.7	1.6	7.1	<i>Foodstuffs and feedstuffs</i>
Bahan bukan makanan	86.3	100.2	97.4	-2.8	12.9	<i>Non-food materials</i>
Bahan bukan makanan kecuali bahan api	97.5	99.9	102.6	2.7	5.2	<i>Non-food materials except fuel</i>
Bahan api mentah	81.6	100.4	95.1	-5.3	16.5	<i>Crude fuel</i>
Bahan perantaraan, bekalan dan komponen	100.4	110.1	110.5	0.4	10.1	Intermediate materials, supplies and components
Bahan dan komponen untuk pembuatan	103.0	110.1	109.6	-0.5	6.4	<i>Materials and components for manufacturing</i>
Bahan untuk pembuatan makanan	96.0	106.8	105.7	-1.0	10.1	<i>Materials for food manufacturing</i>
Bahan untuk pembuatan lain	105.8	111.3	111.2	-0.1	5.1	<i>Materials for other manufacturing</i>
Bahan dan komponen untuk pembinaan	103.3	106.1	106.0	-0.1	2.6	<i>Materials and components for construction</i>
Bahan api yang diproses dan pelicin	83.7	106.3	108.8	2.4	30.0	<i>Processed fuel and lubricants</i>
Bekas	104.2	108.9	109.0	0.1	4.6	<i>Containers</i>
Bekalan	119.7	121.2	121.1	-0.1	1.2	<i>Supplies</i>
Industri pembuatan	121.3	121.6	121.5	-0.1	0.2	<i>Manufacturing industries</i>
Industri bukan pembuatan	108.0	118.3	118.4	0.1	9.6	<i>Non-manufacturing industries</i>
Bekalan lain	108.0	118.3	118.4	0.1	9.6	<i>Other supplies</i>
Barang siap	102.4	103.8	103.8	0.0	1.4	Finished goods
Barangan pengguna siap	108.7	111.0	110.6	-0.4	1.7	<i>Finished consumer goods</i>
Makanan pengguna siap	114.4	117.7	117.2	-0.4	2.4	<i>Finished consumer foods</i>
Mentah	138.9	146.6	142.5	-2.8	2.6	<i>Crude</i>
Diproses	112.0	114.8	114.7	-0.1	2.4	<i>Processed</i>
Barangan pengguna siap kecuali makanan	106.2	108.0	107.7	-0.3	1.4	<i>Finished consumer goods, excluding foods</i>
Tahan lama	104.4	104.6	104.4	-0.2	0.0	<i>Durable</i>
Semi-tahan lama	110.5	112.1	111.9	-0.2	1.3	<i>Semi-durable</i>
Tidak tahan lama	104.3	107.6	107.1	-0.5	2.7	<i>Non-durable</i>
Kelengkapan modal	99.4	100.3	100.5	0.2	1.1	<i>Capital equipment</i>
Industri pembuatan	100.6	102.3	102.2	-0.1	1.6	<i>Manufacturing industries</i>
Industri bukan pembuatan	98.5	98.8	99.2	0.4	0.7	<i>Non-manufacturing industries</i>
Jumlah	99.5	107.7	107.5	-0.2	8.0	Total

JADUAL
TABLE 4.1

IHPR (2010=100) bagi pengeluaran tempatan mengikut peringkat pemprosesan, Malaysia
PPI (2010=100) for local production by stage of processing, Malaysia

Tempoh Peringkat pemprosesan	Jumlah	1 Bahan mentah untuk diproseskan selanjutnya	1.1 Bahan makanan dan makanan untuk binatang	1.2 Bahan bukan makanan	1.2.1 Bahan bukan makanan kecuali bahan api	1.2.2 Bahan api mentah
Wajaran (Weights)	100.00	20.32	4.11	16.21	4.82	11.39
2011	112.3	124.7	111.7	128.0	122.7	130.3
2012	111.8	121.2	112.8	123.3	102.1	132.3
2013	108.8	116.9	115.2	117.4	83.5	131.7
2014	110.4	114.4	120.1	113.0	86.9	124.0
2015	102.2	90.9	121.6	83.1	78.0	85.3
2016	101.1	94.0	123.8	86.4	99.6	80.8
2016						
Jan	99.5	82.7	122.7	72.5	82.6	68.3
Feb	99.6	83.6	121.8	73.9	89.0	67.5
Mac/Mar	99.7	89.2	122.6	80.7	93.5	75.2
Apr	100.2	90.1	121.8	82.0	98.1	75.2
Mei/May	99.5	93.7	123.0	86.3	97.5	81.6
Jun/June	99.9	96.2	123.8	89.2	96.6	86.0
Jul/July	99.0	90.8	126.6	81.7	89.6	78.4
Ogos/Aug	100.2	93.5	126.2	85.2	99.9	78.9
Sept	102.0	97.7	125.3	90.6	109.7	82.6
Okt/Oct	102.7	99.2	123.1	93.1	102.4	89.2
Nov	103.8	99.3	124.1	93.0	111.2	85.3
Dis/Dec	107.5	111.5	124.0	108.3	125.1	101.2
2017						
Jan	109.6	115.0	125.8	112.3	128.1	105.5
Feb	110.4	115.1	129.6	111.4	124.9	105.7
Mac/Mar	108.7	108.1	129.3	102.7	109.7	99.7
Apr	107.7	106.1	129.6	100.2	99.9	100.4
Mei/May	107.5	104.3	131.7	97.4	102.6	95.1
<i>Period Stage of processing</i>	<i>Total</i>	<i>Crude materials for further processing</i>	<i>Foodstuffs and feedstuffs</i>	<i>Non-food materials</i>	<i>Non-food materials except fuel</i>	<i>Crude fuel</i>

**JADUAL
TABLE 4.1**

IHPR (2010=100) bagi pengeluaran tempatan mengikut peringkat pemprosesan, Malaysia (samb.)
PPI (2010=100) for local production by stage of processing, Malaysia (cont'd)

Tempoh	2	2.1	2.1.1	2.1.2	2.2	2.3	2.4	2.5	2.5.1	2.5.2	2.5.2.2	
Peringkat pemprosesan	Bahan perantaraan bekalan dan komponen	Bahan dan komponen untuk pembuatan	Bahan untuk pembuatan makanan	Bahan Untuk pembuatan lain	Bahan dan komponen untuk pembinaan	Bahan api yang diproses dan pelicin	Bekas	Bekalan	Industri pembuatan	Industri bukan pembuatan	Bekalan lain	
Wajaran (Weights)	53.56	27.9	7.94	19.96	5.31	13.2	0.46	6.69	5.86	0.83	0.83	
2011	113.8	116.4	121.4	114.5	101.8	119.9	103.3	101.2	101.2	101.5	101.5	
2012	113.9	109.0	109.8	108.7	102.2	131.6	104.1	108.9	109.6	103.4	103.4	
2013	109.9	101.2	92.9	104.5	102.0	131.3	101.9	111.0	111.5	107.4	107.4	
2014	113.6	103.9	97.9	106.3	102.7	138.7	102.4	113.8	114.7	107.4	107.4	
2015	106.6	101.1	91.2	105.1	103.5	112.8	102.7	119.8	121.4	108.4	108.4	
2016	103.2	103.3	96.9	105.8	103.8	94.1	104.2	120.4	121.9	109.8	109.8	
2016	Jan	104.3	100.1	91.0	103.7	103.9	105.3	103.6	120.7	122.4	108.7	108.7
	Feb	104.1	100.4	93.5	103.1	103.8	103.9	103.8	120.6	122.1	109.8	109.8
	Mac/Mar	102.4	101.4	94.6	104.1	103.5	95.8	103.6	119.0	120.4	109.0	109.0
	Apr	103.0	102.7	95.4	105.6	103.4	95.5	104.0	118.9	120.4	108.6	108.6
	Mei/May	100.4	103.0	96.0	105.8	103.3	83.7	104.2	119.7	121.3	108.0	108.0
	Jun/June	100.1	102.9	95.5	105.9	103.8	82.6	104.6	119.7	121.2	109.0	109.0
	Jul/July	100.5	101.7	93.8	104.9	103.8	87.0	104.2	119.3	120.7	109.0	109.0
	Ogos/Aug	101.8	102.4	95.9	104.9	103.8	90.1	104.5	120.6	122.1	110.0	110.0
	Sept	103.3	103.3	97.4	105.7	104.0	93.4	104.4	121.7	123.3	110.7	110.7
	Okt/Oct	104.1	104.5	99.6	106.4	103.8	94.5	104.1	121.6	123.2	109.8	109.8
	Nov	106.2	107.1	102.6	108.8	104.3	97.5	104.4	121.0	122.5	109.9	109.9
	Dis/Dec	108.3	109.7	107.2	110.7	104.4	100.1	105.0	122.0	122.9	115.6	115.6
2017	Jan	110.6	111.9	110.7	112.3	105.1	104.8	105.5	121.7	122.2	118.3	118.3
	Feb	112.0	112.7	111.6	113.2	105.1	108.4	107.0	121.8	122.3	118.1	118.1
	Mac/Mar	111.2	111.6	108.9	112.6	105.2	107.6	107.5	121.6	122.1	117.8	117.8
	Apr	110.1	110.1	106.8	111.3	106.1	106.3	108.9	121.2	121.6	118.3	118.3
	Mei/May	110.5	109.6	105.7	111.2	106.0	108.8	109.0	121.1	121.5	118.4	118.4

Period Stage of processing	Intermediate materials supplies and components	Materials and components for manufacturing	Materials for food manufacturing	Materials for other manufacturing	Materials and components for construction	Processed fuels and lubricants	Containers	Supplies	Manufacturing industries	Non- manufacturing industries	Other supplies
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JADUAL
TABLE **4.1**

IHPR (2010=100) bagi pengeluaran tempatan mengikut peringkat pemprosesan, Malaysia (samb.)
PPI (2010=100) for local production by stage of processing, Malaysia (cont'd)

Tempoh Peringkat pemprosesan	3 Barang siap	3.1 Barangan pengguna siap	3.1.1 Makanan pengguna siap	3.1.1.1 Mentah	3.1.1.2 Diproses	3.1.2 Barangan pengguna siap kecuali makanan	3.1.2.1 Tahan lama	3.1.2.2 Semi-tahan lama	3.1.2.3 Tidak tahan lama	3.2 Kelengkapan modal	3.2.1 Industri pembuatan	3.2.2 Industri bukan pembuatan
Wajaran (Weights)	26.12	8.41	2.56	0.23	2.33	5.85	1.71	1.73	2.41	17.71	7.85	9.86
2011	99.6	104.3	106.9	108.5	106.7	103.2	101.2	103.1	104.5	97.4	96.5	98.0
2012	100.4	104.8	107.7	111.6	107.3	103.5	102.8	105.1	103.0	98.2	98.9	97.7
2013	100.1	105.0	107.8	118.6	106.8	103.7	103.4	105.5	102.8	97.8	97.7	97.9
2014	100.9	106.4	110.5	133.1	108.3	104.5	103.7	106.9	103.4	98.4	98.9	97.9
2015	102.1	107.7	112.2	139.2	109.6	105.8	104.8	109.0	104.1	99.3	100.5	98.4
2016	102.5	108.7	114.3	140.2	111.8	106.2	104.4	110.7	104.3	99.6	101.0	98.5
2016												
Jan	102.8	108.5	113.7	138.8	111.2	106.3	104.3	110.4	104.7	100.1	102.0	98.6
Feb	102.8	108.5	114.3	141.7	111.6	106.0	104.4	110.3	104.1	100.0	101.8	98.6
Mac/Mar	102.4	108.3	114.0	137.1	111.7	105.8	104.4	109.9	103.8	99.6	100.9	98.6
Apr	102.4	108.5	114.5	139.3	112.1	105.9	104.4	110.3	103.8	99.4	100.4	98.6
Mei/May	102.4	108.7	114.4	138.9	112.0	106.2	104.4	110.5	104.3	99.4	100.6	98.5
Jun/June	102.4	108.7	114.3	138.8	111.9	106.3	104.4	110.4	104.6	99.3	100.5	98.5
Jul/July	102.1	108.6	114.4	141.6	111.7	106.1	104.5	110.3	104.1	99.0	99.9	98.3
Ogos/Aug	102.3	109.0	115.0	144.1	112.1	106.4	104.4	111.2	104.3	99.1	100.1	98.3
Sept	102.6	109.1	114.6	142.2	111.9	106.6	104.5	111.6	104.6	99.5	101.0	98.4
Okt/Oct	102.6	109.1	114.7	140.6	112.1	106.6	104.4	111.5	104.7	99.6	101.2	98.3
Nov	102.6	108.6	114.1	139.8	111.5	106.2	104.4	110.7	104.4	99.7	101.3	98.4
Dis/Dec	102.8	108.6	113.9	139.2	111.4	106.2	104.3	111.1	104.1	100.1	101.9	98.6
2017												
Jan	103.2	109.5	115.4	141.2	112.9	106.9	104.2	111.3	105.8	100.3	102.4	98.6
Feb	103.6	110.3	116.5	147.1	113.5	107.5	104.3	111.5	106.9	100.4	102.5	98.7
Mac/Mar	103.9	110.7	117.3	144.1	114.6	107.8	104.6	112.0	107.1	100.7	102.8	99.1
Apr	103.8	111.0	117.7	146.6	114.8	108.0	104.6	112.1	107.6	100.3	102.3	98.8
Mei/May	103.8	110.6	117.2	142.5	114.7	107.7	104.4	111.9	107.1	100.5	102.2	99.2

Period Stage of processing	Finished goods	Finished consumer goods	Finished consumer foods	Crude	Processed	Finished consumer goods excluding foods	Durable	Semi- durable	Non- durable	Capital equipment	Manufacturing industries	Non- manufacturing industries
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JADUAL
TABLE **5**

IHPR (2010=100) bagi pengeluaran tempatan, perubahan peratus mengikut seksyen barangan (SITC 4), Malaysia
PPI (2010=100) for local production, percentage change by commodity section (SITC 4), Malaysia

Seksyen Barangan <i>Commodity Section</i>	Kod <i>Code</i>	Wajaran <i>Weight</i>	Indeks <i>Index</i>			Perubahan peratus <i>Percentage change</i>	
			Mei/May 2016	Apr 2017	Mei/May 2017	Apr 2017 - Mei/May 2017	Mei/May 2016 - Mei/May 2017
Jumlah <i>Total</i>		100.00	99.5	107.7	107.5	-0.2	8.0
Makanan <i>Food</i>	0	5.71	120.5	125.9	127.1	1.0	5.5
Minuman dan tembakau <i>Beverages and tobacco</i>	1	1.36	112.4	113.1	113.4	0.3	0.9
Bahan-bahan mentah tidak boleh dimakan <i>Crude materials, inedible</i>	2	8.24	96.0	100.0	101.3	1.3	5.5
Bahan api galian, pelincir, dll. <i>Mineral fuels, lubricants, etc.</i>	3	24.58	82.7	103.5	102.5	-1.0	23.9
Minyak dan lemak binatang dan sayur-sayuran <i>Animal and vegetable oils and fats</i>	4	10.29	98.5	109.8	108.9	-0.8	10.6
Bahan kimia <i>Chemicals</i>	5	8.12	112.2	115.9	116.3	0.3	3.7
Barang-barang keluaran kilang <i>Manufactured goods</i>	6	11.21	104.1	107.7	107.4	-0.3	3.2
Jentera dan kelengkapan pengangkutan <i>Machinery and transport equipment</i>	7	25.04	104.5	105.6	105.7	0.1	1.1
Pelbagai barang keluaran kilang <i>Miscellaneous manufactured articles</i>	8	5.45	106.9	110.0	109.9	-0.1	2.8

JADUAL
TABLE 5.1

IHPR (2010=100) bagi pengeluaran tempatan mengikut seksyen barangan (SITC 4), Malaysia
PPI (2010=100) for local production by commodity section (SITC 4), Malaysia

Tempoh Seksyen Barangan	Jumlah	0 Makanan	1 Minuman dan tembakau	2 Bahan- bahan mentah tidak boleh dimakan	3 Bahan api galian, pelincir, dll.	4 Minyak dan lemak binatang dan sayur- sayuran	5 Bahan kimia	6 Barang- barang keluaran kilang	7 Jentera dan kelengkapan pengangkutan	8 Pelbagai barang keluaran kilang
Wajaran (Weights)	100.00	5.71	1.36	8.24	24.58	10.29	8.12	11.21	25.04	5.45
2011	112.3	110.2	105.0	122.8	124.7	123.2	112.5	104.4	98.6	103.2
2012	111.8	110.5	105.9	104.9	131.9	110.4	111.2	103.7	101.2	103.6
2013	108.8	111.9	107.3	88.9	131.5	93.3	112.5	102.8	101.4	103.7
2014	110.4	116.9	110.6	86.7	131.9	100.6	115.9	103.5	102.5	104.1
2015	102.2	118.6	111.3	82.2	100.1	93.9	114.9	103.4	104.7	106.1
2016	101.1	120.8	112.4	96.9	88.0	100.1	112.1	103.8	104.8	107.2
2016										
Jan	99.5	119.8	112.3	85.1	88.2	93.7	112.5	102.5	105.3	107.4
Feb	99.6	119.5	112.3	88.8	87.1	96.2	110.6	102.7	105.2	107.0
Mac/Mar	99.7	120.0	112.2	92.2	86.3	97.9	110.1	103.2	104.5	106.7
Apr	100.2	119.5	112.6	96.3	86.1	98.2	111.1	104.5	104.3	106.7
Mei/May	99.5	120.5	112.4	96.0	82.7	98.5	112.2	104.1	104.5	106.9
Jun/June	99.9	120.9	112.6	94.9	84.2	98.7	112.9	103.9	104.4	107.1
Jul/July	99.0	123.0	112.4	90.1	83.0	97.2	111.6	103.7	104.1	107.0
Ogos/Aug	100.2	122.9	112.5	96.2	84.9	99.2	111.5	103.7	104.5	107.0
Sept	102.0	122.1	112.6	102.2	88.4	100.8	112.3	103.9	105.1	107.4
Okt/Oct	102.7	120.4	112.7	99.0	92.0	102.9	112.6	103.8	105.0	107.5
Nov	103.8	120.7	112.5	105.7	91.9	106.7	113.8	104.8	105.0	107.6
Dis/Dec	107.5	120.8	111.7	116.1	100.6	111.1	113.9	105.3	105.6	107.7
2017										
Jan	109.6	122.6	111.2	119.3	105.1	114.9	114.2	106.3	105.7	109.0
Feb	110.4	125.8	111.7	117.8	107.2	115.5	114.8	107.2	105.8	109.4
Mac/Mar	108.7	125.5	113.2	107.8	104.0	112.6	115.6	107.3	106.0	109.7
Apr	107.7	125.9	113.1	100.0	103.5	109.8	115.9	107.7	105.6	110.0
Mei/May	107.5	127.1	113.4	101.3	102.5	108.9	116.3	107.4	105.7	109.9

Period Commodity Section	Total	Food	Beverages and tobacco	Crude materials, inedible	Mineral fuels, lubricants, etc.	Animal and vegetable oils and fats	Chemicals	Manufactured goods	Machinery and transport equipment	Miscellaneous manufactured articles
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JADUAL
TABLE **5.2**

Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut seksyen barangan (SITC 4), Malaysia
Percentage change of PPI (2010=100) for local production by commodity section (SITC 4), Malaysia

Tempoh Seksyen Barangan	Jumlah		0 Makanan		1 Minuman dan tembakau		2 Bahan-bahan mentah tidak boleh dimakan		3 Bahan api galian, pelincir, dll.	
	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan
Wajaran (Weights)	100.00		5.71		1.36		8.24		24.58	
2011	12.3		10.2		5.0		22.8		24.7	
2012	-0.4		0.3		0.9		-14.6		5.8	
2013	-2.7		1.3		1.3		-15.3		-0.3	
2014	1.5		4.5		3.1		-2.5		0.3	
2015	-7.4		1.5		0.6		-5.2		-24.1	
2016	-1.1		1.9		1.0		17.9		-12.1	
2016										
Jan	-4.4	-1.4	0.6	1.1	1.9	-0.3	1.3	2.9	-17.5	-6.8
Feb	-4.8	0.1	0.3	-0.3	2.6	0.0	5.5	4.3	-19.9	-1.2
Mac/Mar	-3.9	0.1	0.4	0.4	1.4	-0.1	9.9	3.8	-17.7	-0.9
Apr	-2.8	0.5	0.8	-0.4	1.7	0.4	17.9	4.4	-17.0	-0.2
Mei/May	-2.1	-0.7	1.9	0.8	1.4	-0.2	18.1	-0.3	-16.0	-3.9
Jun/June	-1.3	0.4	2.3	0.3	1.1	0.2	13.0	-1.1	-11.9	1.8
Jul/July	-2.1	-0.9	3.8	1.7	0.9	-0.2	9.3	-5.1	-13.5	-1.4
Ogos/Aug	-0.1	1.2	3.5	-0.1	0.6	0.1	24.0	6.8	-10.3	2.3
Sept	0.4	1.8	2.8	-0.7	0.7	0.1	30.4	6.2	-10.9	4.1
Okt/Oct	0.1	0.7	1.6	-1.4	0.4	0.1	18.3	-3.1	-8.8	4.1
Nov	2.2	1.1	2.5	0.2	0.1	-0.2	28.7	6.8	-5.5	-0.1
Dis/Dec	6.5	3.6	1.9	0.1	-0.8	-0.7	40.4	9.8	6.3	9.5
2017										
Jan	10.2	2.0	2.3	1.5	-1.0	-0.4	40.2	2.8	19.2	4.5
Feb	10.8	0.7	5.3	2.6	-0.5	0.4	32.7	-1.3	23.1	2.0
Mac/Mar	9.0	-1.5	4.6	-0.2	0.9	1.3	16.9	-8.5	20.5	-3.0
Apr	7.5	-0.9	5.4	0.3	0.4	-0.1	3.8	-7.2	20.2	-0.5
Mei/May	8.0	-0.2	5.5	1.0	0.9	0.3	5.5	1.3	23.9	-1.0
Period Commodity Section	Total		Food		Beverages and tobacco		Crude materials, inedible		Mineral fuels, lubricants, etc.	
	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month	% Change year- on-year	% Change month- on-month

JADUAL
TABLE **5.2**

Perubahan peratus IHPR (2010=100) bagi pengeluaran tempatan mengikut seksyen barangan (SITC 4), Malaysia (samb.)
Percentage change of PPI (2010=100) for local production by commodity section (SITC 4), Malaysia (cont'd)

Tempoh Seksyen Barangan	4		5		6		7		8		
	Minyak dan lemak binatang dan sayur-sayuran		Bahan kimia		Barang-barang keluaran kilang		Jentera dan kelengkapan pengangkutan		Pelbagai barang keluaran kilang		
	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	% Perubahan tahun ke tahun	% Perubahan bulan ke bulan	
Wajaran (Weights)	10.29		8.12		11.21		25.04		24.58		
2011	23.2		12.5		4.4		-1.4		3.2		
2012	-10.4		-1.2		-0.7		2.6		0.4		
2013	-15.5		1.2		-0.9		0.2		0.1		
2014	7.8		3.0		0.7		1.1		0.4		
2015	-6.7		-0.9		-0.1		2.1		1.9		
2016	6.6		-2.4		0.4		0.1		1.0		
2016	Jan	-3.1	1.4	-1.6	-0.5	-1.2	-0.3	1.4	-0.2	2.4	0.0
	Feb	-1.1	2.7	-3.1	-1.7	-1.0	0.2	1.0	-0.1	1.9	-0.4
	Mac/Mar	1.2	1.8	-4.8	-0.5	-0.5	0.5	0.1	-0.7	1.5	-0.3
	Apr	4.4	0.3	-4.1	0.9	0.9	1.3	-0.2	-0.2	1.2	0.0
	Mei/May	5.2	0.3	-2.5	1.0	0.5	-0.4	0.1	0.2	1.5	0.2
	Jun/June	4.9	0.2	-2.4	0.6	0.4	-0.2	0.3	-0.1	1.1	0.2
	Jul/July	3.6	-1.5	-3.9	-1.2	0.5	-0.2	0.0	-0.3	0.6	-0.1
	Ogos/Aug	7.7	2.1	-2.8	-0.1	0.3	0.0	0.0	0.4	0.4	0.0
	Sept	10.6	1.6	-2.4	0.7	0.5	0.2	-0.2	0.6	0.4	0.4
	Okt/Oct	11.6	2.1	-1.5	0.3	0.6	-0.1	-0.4	-0.1	0.4	0.1
	Nov	15.4	3.7	-1.0	1.1	1.7	1.0	-0.6	0.0	0.2	0.1
	Dis/Dec	20.2	4.1	0.7	0.1	2.4	0.5	0.1	0.6	0.3	0.1
2017	Jan	22.6	3.4	1.5	0.3	3.7	0.9	0.4	0.1	1.5	1.2
	Feb	20.1	0.5	3.8	0.5	4.4	0.8	0.6	0.1	2.2	0.4
	Mac/Mar	15.0	-2.5	5.0	0.7	4.0	0.1	1.4	0.2	2.8	0.3
	Apr	11.8	-2.5	4.3	0.3	3.1	0.4	1.2	-0.4	3.1	0.3
	Mei/May	10.6	-0.8	3.7	0.3	3.2	-0.3	1.1	0.1	2.8	-0.1
<i>Period</i>	<i>Animal and vegetable oils and fats</i>		<i>Chemicals</i>		<i>Manufactured goods</i>		<i>Machinery and transport equipment</i>		<i>Miscellaneous manufactured articles</i>		
<i>Commodity Section</i>	% <i>Change year- on-year</i>	% <i>Change month- on-month</i>	% <i>Change year- on-year</i>	% <i>Change month- on-month</i>	% <i>Change year- on-year</i>	% <i>Change month- on-month</i>	% <i>Change year- on-year</i>	% <i>Change month- on-month</i>	% <i>Change year- on-year</i>	% <i>Change month- on-month</i>	



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NOTES

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NOTA TEKNIKAL

1. Pengenalan

- 1.1 Penerbitan ini mengandungi Indeks Harga Pengeluar (IHPR) bagi pengeluaran tempatan yang disusun menggunakan 2010 sebagai tahun asas.
- 1.2 IHPR yang pertama telah disusun bagi Semenanjung Malaysia untuk tahun rujukan 1973 menggunakan tahun asas 1972. Sejak itu, ia telah melalui beberapa siri pembangunan yang bukan sahaja telah memperbaiki metodologi yang digunakan tetapi juga telah menjadikannya sebagai salah satu daripada penunjuk ekonomi utama negara. Selepas tahun asas 1972, IHPR telah dikira bagi tahun asas 1978, 1989, 2000, 2005 dan kini disusun menggunakan 2010 sebagai tahun asas.
- 1.3 Indeks harga pengeluar bagi pengeluaran tempatan merupakan indeks berasaskan output, yang mengukur perubahan harga komoditi untuk jualan pasaran tempatan yang dinilai pada harga di kilang.
- 1.4 IHPR bagi pengeluaran tempatan mengukur purata perubahan harga yang dikenakan oleh pengeluar barangan dalam sesuatu industri pada bulan rujukan berbanding tempoh asas. Oleh itu, ia merupakan penunjuk ekonomi makro yang digunakan bagi memantau pergerakan harga output tempatan dan sering dilihat sebagai penunjuk awal kepada Indeks Harga Pengguna.

TECHNICAL NOTES

1. Introduction

- 1.1 *This publication comprised of the Producer Price Index (PPI) for local production compiled using 2010 as the base year.*
- 1.2 *The first PPI was compiled for Peninsular Malaysia for the reference year 1973 with 1972 as its base year. Since then, it has undergone a series of development which has not only improved the methodology but also placed itself as one of the leading economic indicators in the country. Subsequent to 1972 base year, the PPI was constructed for base years 1978, 1989, 2000, 2005 and is currently compiled using 2010 as the base year.*
- 1.3 *The producer price index for local production is an output based index, which measures the change in the price of commodities sold to the domestic market valued at the ex-factory price.*
- 1.4 *The PPI for local production measures the average change in the prices charged by producers of goods of an industry in a reference month compared with the base period. Thus, it is an important macroeconomic indicator used for monitoring the price movements of local outputs and is often viewed as a leading indicator of Consumer Price Index.*

2. Skop dan Liputan

2.1 Pengeluaran Tempatan

IHPR meliputi lima sektor ekonomi, iaitu Pertanian, Perhutanan & Perikanan, Perlombongan, Pembuatan, Bekalan elektrik & gas dan Bekalan air.

Indeks diterbitkan di peringkat kumpulan tiga digit, peringkat bahagian dua digit dan peringkat sektor satu digit untuk peringkat Malaysia.

2.2 IHPR bagi pengeluaran tempatan mengikut Peringkat Pemrosesan

IHPR bagi pengeluaran tempatan mengikut peringkat pemrosesan dibentuk setelah komoditi yang disusun semula dan dikelaskan kepada peringkat pemrosesan iaitu:

- (a) Bahan mentah untuk diproseskan selanjutnya
- (b) Bahan perantaraan, bekalan dan komponen
- (c) Barang siap

2.3 Liputan Produk

Satu koleksi komoditi yang pelbagai telah dipilih untuk mewakili pelbagai sektor ekonomi dan harga bagi komoditi ini dipungut setiap bulan. Sejumlah 657 item komoditi digunakan dalam penyusunan IHPR bagi pengeluaran tempatan.

3. Konsep

- 3.1 Ia merujuk kepada harga yang diterima oleh pengeluar pada peringkat pertama pengkomersilan. Bagi barangan yang dikeluarkan, diproses atau dipasang di Malaysia, harga pengeluar merujuk kepada harga selepas ditolak diskaun dan rebet yang diberikan oleh pengilang dan tidak termasuk kos pengangkutan yang disewa serta kos pengangkutan lain antara pengeluar dan pembeli.

2. Scope and Coverage

2.1 Local Production

PPI covers the following five sectors of the economy, namely Agriculture, Forestry & Fishing, Mining, Manufacturing, Electricity & gas supply and Water supply.

The indices are published at three digit group level, two digit division levels and one digit sector level for Malaysia.

2.2 PPI for local production by Stage of Processing

PPI for local production by stage of processing is compiled by reclassifying the commodities according to the following stage of processing:

- (a) Crude materials for further processing*
- (b) Intermediate materials, supplies and components*
- (c) Finished goods*

2.3 Product Coverage

A wide collection of commodities are selected to represent the various sectors of the economy and the prices for these commodities are collected on a monthly basis. A total of 657 commodity items are used in the compilation of the PPI for local production.

3. Concept

- 3.1 *This refers to prices received by the producer at the first stage of commercialisation. As for goods produced, processed or assembled in Malaysia, producer prices refer to prices which are net of discounts and rebates given by the manufacturers and net of freight by hired transport and other transport costs between producer and purchaser.*

3.2 Kos pengangkutan bagi pertubuhan yang tidak menyewa perkhidmatan pengangkutan tetapi menggunakan kemudahan pengangkutan sendiri lazimnya merupakan sebahagian daripada kos item, dan ia telah diambilkira kerana sukar untuk mengasingkannya.

3.3 Harga pengeluar bagi pengeluaran tempatan untuk tahun asas 2005 dan 2010 adalah harga di kilang sahaja, tidak termasuk duti eksais dan cukai jualan. Walau bagaimanapun, bagi tahun asas 1972, 1978, 1989 dan 2000, duti eksais dan cukai jualan dimasukkan sebagai komponen dalam harga pengeluar.

3.4 Pungutan harga bagi item komoditi terpilih merujuk kepada harga transaksi sebenar dan bukannya harga senarai.

4. Pemilihan Produk

4.1 Adalah penting untuk mengenalpasti produk yang mana data harga diperlukan kerana tidak mungkin untuk mengambil kira semua komoditi yang dikeluarkan dalam negara. Oleh itu, bilangan sampel bagi komoditi dalam survei IHPR adalah agak kecil berbanding dengan saiz populasi.

4.2 Pemilihan produk bagi survei harga bulanan adalah berdasarkan sumbangan item kepada jumlah output industri tersebut. Produk yang terpilih adalah mewakili kumpulannya. Item yang dimasukkan dalam pengiraan indeks secara kolektif menyumbang lebih 85 peratus daripada jumlah output bagi industri yang dipilih.

5. Pemilihan Pertubuhan

Pemilihan pertubuhan adalah berdasarkan sumbangan pertubuhan tersebut kepada jumlah output bagi industri yang telah terpilih. Pertubuhan yang terpilih mewakili produk masing-masing. Pertubuhan ini secara kolektif menyumbang sekurang-kurangnya 85 peratus daripada jumlah output produk yang terpilih. Senarai pertubuhan yang terlibat dalam

3.2 *The cost of transport for establishments which do not hire transport services but utilise their own transport facilities normally forms part of the cost of the item, are included as they are difficult to segregate.*

3.3 *The producer price for local production for the base years 2005 and 2010 refers to the ex-factory price only, excludes excise duty and sales tax. However, for base years 1972, 1978, 1989 and 2000, excise duties and sales tax were included as components of the producer price.*

3.4 *The price collection for the selected commodity refers to the actual transacted price and not the list price.*

4. Selection of Products

4.1 *It is essential to identify the products for which price data are needed as it is not possible to include all the commodities produced in the country. Hence, the number of sample commodities in the PPI survey is relatively small compared to the population size.*

4.2 *The selection of the products for the monthly producer price survey is based on their contributions to the total output of the industry. The selected items are representative of their group. The items included in the compilation of the index collectively accounted for at least 85 per cent of the total output of the industry selected.*

5. Selection of Establishments

The selection of establishments is based on their contributions to the total output of the selected industry. The selected establishments are representative of their products. These establishments collectively accounted for at least 85 per cent of the total output of the products selected. The lists of establishments are drawn from the Economic Census, 2010

pengeluaran tempatan diambil daripada Banci Ekonomi 2010 dan sumber-sumber tambahan. Sampel tersebut meliputi 1,165 pertubuhan yang dipilih secara 'cut-off' daripada rangka survei pembuatan bulanan dan tahunan. Senarai pertubuhan ini dikemaskini setiap tahun. Pada tahun 2017, bilangan pertubuhan yang diliputi adalah sebanyak 1346.

6. Pemilihan Komoditi

6.1 Adalah penting untuk menjalankan kajian awal bagi mengenal pasti jenis produk yang laris jualannya bagi setiap item komoditi yang terpilih di samping keterangan/spesifikasi yang terperinci tentang jenama, gred, saiz dan unit ukuran bagi item yang dikeluarkan atau diimport untuk tujuan pungutan harga. Borang soal selidik dihantar kepada semua pertubuhan terpilih pada peringkat awal bagi mendapatkan maklumat berikut:-

- (a) Jenama komoditi yang biasa dikeluarkan
- (b) Jenama komoditi yang memberikan sumbangan yang penting kepada pengeluaran syarikat
- (c) Keterangan dan spesifikasi terperinci bagi jenama yang dinyatakan di (a) dan (b)
- (d) Brosur/katalog bagi jenama komoditi

6.2 Liputan komoditi adalah sebanyak 657 yang diambil daripada Banci Ekonomi 2010.

7. Sumber Data/Pungutan Harga

Secara keseluruhannya, sebanyak 2,790 sebut harga dipungut setiap bulan daripada pertubuhan dan agensi kerajaan. Senarai agensi kerajaan yang diliputi survei adalah seperti berikut:

- Gas Malaysia Sdn Bhd
- Jabatan Bekalan Air Negeri
- Jabatan Perikanan Malaysia
- Jabatan Perkhidmatan Veterinar
- Lembaga Koko Malaysia
- Lembaga Lada Malaysia

as well as from other supplementary sources. The sample covers 1,165 establishments selected on a cut-off basis from the monthly and annual manufacturing frames. The list of these establishments has been updated every year. For the year 2017, the list of establishments covered are 1346.

6. Selection of Commodities

6.1 *It is necessary to conduct a preliminary survey to identify the major selling product varieties under each of the commodity item selected as well as detailed description/ specification pertaining to the brand, grade, size and unit of measurement of items produced for price collection purposes. Questionnaires are dispatched to all selected establishments at the initial stage to enquire the following information:-*

- (a) Regularly produced commodity brands*
- (b) Commodity brands that constitute a significant share of the companies' production*
- (c) Detailed descriptions and specifications of the brands stated in (a) and (b)*
- (d) Brochures/catalogues of the commodity brands*

6.2 *Commodity coverage is 657 which are drawn from the Economic Census, 2010.*

7. Sources/Price Collection

Overall, 2,790 price quotations are collected, on a monthly basis, from both establishments and government agencies. The list of government agencies covered by the survey are as follows:

- Gas Malaysia Sdn Bhd*
- State Water Supply Department*
- Department of Fisheries*
- Department of Veterinary Services*
- Malaysian Cocoa Board*
- Malaysian Pepper Board*

- Lembaga Getah Malaysia
- Lembaga Minyak Sawit Malaysia
- Lembaga Pemasaran Pertanian Persekutuan
- Lembaga Perusahaan Kayu Malaysia
- Petroliam Nasional Berhad
- Tenaga Nasional Berhad

- *Malaysian Rubber Board*
- *Malaysian Palm Oil Board (MPOB)*
- *Federal Agriculture Marketing Authority (FAMA)*
- *Malaysian Timber Industry Board (MTIB)*
- *Petroliam Nasional Berhad (PETRONAS)*
- *Tenaga Nasional Berhad (TNB)*

8. Kawalan Kualiti

- 8.1 Satu siri semakan dibuat bagi menentukan data harga yang diterima adalah munasabah, konsisten dan tepat. Prosedur semakan harga termasuk membuat perbandingan Harga semasa dengan harga yang dilaporkan pada bulan sebelumnya bagi responden yang sama, di samping harga yang dilaporkan oleh responden lain bagi item komoditi yang sama. Harga yang menunjukkan perbezaan yang luar biasa akan dirujuk kepada responden untuk penjelasan bagi menentukan ketepatan.
- 8.2 Harga yang dilaporkan dalam borang akan disahkan oleh pegawai luar semasa menjalankan kerja luar dan ia akan disemak selanjutnya di ibu pejabat. Perubahan harga yang ketara akan dirujuk kepada pegawai luar untuk pengesahan. Dalam keadaan tertentu, responden akan dihubungi terus untuk penjelasan.
- 8.3 Data yang diterima akan disemak secara teliti sebelum tangkapan data dijalankan.
- 8.4 Anggota di Jabatan Perangkaan Negeri diberikan latihan sekurang-kurangnya sekali dalam setahun mengenai prosedur, konsep dan definisi serta sebarang perubahan tentang spesifikasi produk dan item yang dipilih.

8. Quality Control

- 8.1 *A series of checks on the prices received are carried out to ensure their reasonableness, consistency and accuracy. The checking procedures include comparisons of prices supplied for the month against those of the previous months of the same respondents as well as with prices reported by other respondents for the same commodity items. Prices that display unusual variations are clarified with respondents to ensure the accuracy.*
- 8.2 *Prices quoted in the forms are verified on the ground by field supervisors and these are subjected to further scrutiny in the headquarters. Significant price changes are referred to the field supervisors for verifications and in certain cases, the respondents are directly contacted for clarifications.*
- 8.3 *The data are subjected to thorough checking before being captured.*
- 8.4 *The staff of the Department of Statistics state office is given training at least once a year regarding procedures, concepts and definitions as well as any changes in the selected items and product specifications.*

9. Pengiraan Indeks

9.1 Harga Asas

Harga asas bagi setiap item adalah harga purata bagi jenama tertentu bagi tempoh 12 bulan dalam tahun 2010.

9.2 Formula Indeks

a) IHPR disusun menggunakan formula *Laspeyres base-weighted*.

9. Index Calculation

9.1 Base Price

The base price for each item is the average of the prices for that particular brand for the 12 months of 2010.

9.2 Index Formula

a) *The Laspeyres base-weighted formula is used to compile the PPI.*

$$\frac{\sum_{i=1}^n p_i^t q_i^s}{\sum_{i=1}^n p_i^s q_i^s} = \sum_{i=1}^n \frac{p_i^s q_i^s}{\sum_{i=1}^n p_i^s q_i^s} \times \frac{p_i^t}{p_i^s} = \sum_{i=1}^n w_i^s \times \frac{p_i^t}{p_i^s}$$

Di mana
Where

$$w_i^s = \frac{p_i^s q_i^s}{\sum_{i=1}^n p_i^s q_i^s} = \text{Wajaran nilai relative/Relative value weights}$$

$$p_i^t = \text{Harga tempoh semasa/Current period prices}$$

$$p_i^s = \text{Harga tempoh asas/Base period prices}$$

$$q_i^s = \text{Kuantiti tempoh asas/Base period quantities}$$

$$n = \text{Bilangan item/Number of items}$$

b) Formula yang dipilih mempunyai satu kelebihan di mana ia dapat menentukan apakah harga tertentu atau kumpulan harga yang menyebabkan sesuatu perubahan dalam indeks agregat.

b) The formula selected has an advantage of determining what specific price or group of prices are responsible for any change in the aggregate index.

- c) Harga relatif bagi setiap jenis item pada peringkat jenama komoditi merupakan peringkat asas bagi pengiraan indeks di peringkat yang lebih tinggi. Harga relatif dikira sebagai nisbah peratus harga semasa berbanding harga pada tahun asas. Ia dengan membahagikan harga semasa dengan harga tahun asas bagi komoditi yang sama dan didarabkan dengan 100. Purata aritmetik mudah bagi harga relative ini diperoleh untuk membentuk indeks pada peringkat item komoditi.
- d) Pergerakan harga akan diberi wajar bagi mencerminkan kepentingan komoditi tersebut pada tahun asas, di mana tahun asas yang terkini ialah 2010. Purata indeks harga komoditi berwajaran diperoleh untuk dijadikan indeks pada peringkat kumpulan. Indeks bahagian komoditi diperoleh daripada purata indeks komoditi berwajaran yang termasuk dalam bahagian tersebut, manakala indeks seksyen komoditi diperoleh daripada purata aritmetik indeks barangan berwajaran yang termasuk dalam seksyen tersebut.
- e) IHPR bagi pengeluaran tempatan keseluruhan disusun secara berperingkat dari peringkat jenis komoditi (10 digit), kepada item komoditi (5 digit), kelas komoditi (4 digit), kumpulan komoditi (3 digit), bahagian komoditi (2 digit) dan seterusnya kepada peringkat sektor (1 digit).

9.3 Wajaran

- a) Wajaran diperoleh daripada Banci Ekonomi 2010 dan sumber data alternatif bagi nilai pengeluaran.
- b) Wajaran item diberikan mengikut perkadaran sumbangan item kepada jumlah nilai output dalam ekonomi. Wajaran pengeluaran tempatan mengikut MSIC dan seksyen komoditi diberikan seperti berikut:-

- c) *The price relative of each item at the commodity brand level provides the basic level for the compilation of higher level indices. Price relatives are calculated as percentage ratios of the current prices to those prevailing in the base period and are obtained by dividing the current prices by the corresponding base year prices and multiplying them by 100. The simple arithmetic averages of these price relatives are obtained to form indices at the commodity item level.*
- d) *The movements in these prices are weighted to reflect the relative importance of the commodities in the base year, which is currently 2010. The weighted average of commodity price indices is obtained to form price indices at the group level. The commodity division index is derived as weighted average of the indices of the commodities included in that division, while the commodity section index is obtained as weighted arithmetic average of the indices of all divisions included under that section.*
- e) *The overall PPI for local production is built up progressively from the commodity variety level (10 digit) to commodity item (5 digit), commodity class (4 digit), commodity group (3 digit), commodity division (2 digit) and commodity sector level (1 digit).*

9.3 Weights

- a) *The weights are obtained from the Economic Census 2010 and other alternative sources of data for the value of production.*
- b) *The item weights are assigned in proportion of their contributions to the total value of output in the economy. The weights by MSIC and commodity sections are given as follows:-*

Wajaran pengeluaran tempatan mengikut MSIC

Weights for local production by MSIC

Sektor/Sector (2005=100)	Wajaran /Weights		Sektor/Sector (2010=100)
	2005	2010	
Pertanian/Agriculture	6.60	8.15	Pertanian, Perhutanan & Perikanan/ <i>Agriculture, forestry and fishing</i>
Perikanan/Fishing	0.81		
Perlombongan/Mining	9.83	9.67	Perlombongan/ <i>Mining</i>
Pembuatan/Manufacturing	80.00	78.79	Pembuatan/ <i>Manufacturing</i>
Bekalan elektrik, gas dan air/ <i>Electricity, gas and water supply</i>	2.76	3.05	Bekalan elektrik dan gas/ <i>Electricity and gas supply</i>
		0.34	Bekalan Air/ <i>Water supply</i>
Jumlah/Total	100.00	100.00	Jumlah/ <i>Total</i>

Wajaran IHPR (2010=100) mengikut seksyen komoditi (SITC)

PPI (2010=100) weights by commodity section (SITC)

Seksyen Komoditi	Pengeluaran Tempatan <i>Local Production</i>	Commodity Section
Makanan	5.71	<i>Food</i>
Minuman dan tembakau	1.36	<i>Beverages and tobacco</i>
Bahan mentah tidak boleh dimakan kecuali bahan api	8.24	<i>Crude materials, inedible except fuels</i>
Bahan api galian, pelincir dll	24.58	<i>Mineral fuels, lubricants etc</i>
Minyak dan lemak binatang dan sayuran	10.29	<i>Animal and vegetable oils and fats</i>
Bahan kimia	8.12	<i>Chemicals</i>
Barang-barang keluaran kilang	11.21	<i>Manufactured goods</i>
Jentera dan kelengkapan pengangkutan	25.04	<i>Machinery and transport equipment</i>
Pelbagai barang keluaran kilang	5.45	<i>Miscellaneous manufactured articles</i>
Jumlah	100.00	Total

c) Polisi Jabatan Perangkaan Malaysia adalah membuat pindaan berkala kepada struktur wajaran IHPR apabila data daripada banci ekonomi diperolehi, pada umumnya dalam tempoh lima tahun sekali.

c) *It is the policy of Department of Statistics Malaysia to revise the PPI weighting structure periodically when data from economic censuses become available, generally at five year intervals.*

9.4 Indeks Terkumpul

9.4 Aggregated Index

Pada peringkat pertama pengagregatan, harga individu digabung dengan mengira purata aritmetik sebut harga di bawah item komoditi tersebut (contohnya, item A), di mana satu harga daripada setiap satu pertubuhan (X, Y, Z) digabung untuk mendapatkan agregat asas bagi item A. Indeks produk yang terperinci diberi wajaran keseluruhannya bagi mendapatkan indeks produk diperingkat yang lebih tinggi menggunakan nilai pengeluaran produk yang terperinci bagi keseluruhan ekonomi. Indeks industri diperolehi dengan memberi wajaran keseluruhan produk indeks yang relevan bagi setiap industri menggunakan nilai output bagi produk yang berbeza dalam industri tersebut.

At the first stage of elementary aggregation, individual prices are combined by computing their arithmetic average of the quotations under that commodity item (say, item A), where one price from each of several establishments (X, Y, Z) are combined to give an elementary aggregate for item A. The detailed level product indices are weighted together to give higher level product indices using the value of production of the detailed products for the economy as a whole. Industry indices are obtained by weighting together the product indices relevant for each industry using the values of output of the different products for that industry.

9.5 Perubahan indeks

9.5 Index changes

a) IHPR mengukur perubahan harga dari tempoh rujukan yang ditetapkan iaitu 2010 yang bersamaan dengan 100.0. Misalnya kenaikan 20.0 peratus daripada purata harga 2010 ditunjukkan sebagai 120.0.

a) *The PPI measures price changes from the designated period - 2010 - called the base year which equals 100.0. An increase of 20.0 per cent, for example, from the average of 2010 is shown as 120.0.*

b) Pergerakan IHPR dari satu tempoh ke tempoh yang lain ditunjukkan sebagai perubahan-perubahan peratus dan bukan perubahan mata indeks (*index point*) kerana perubahan mata indeks dipengaruhi oleh paras indeks yang berkaitan dengan tempoh asasnya. Misalan yang berikut menunjukkan cara pengiraan mata indeks dan perubahan peratus.

b) *Movements of the PPI from one period to another are expressed as percentage changes rather than index point changes because index point changes are affected by the level of the index in relation to the base period while percentage changes are not. The following example illustrates the computation of index point and percentage changes.*

Perubahan Mata Indeks		Peratus Perubahan	Index Point Change	Percentage Change
Indeks Harga Pengeluar	126.0	Perubahan mata indeks dibahagi dengan indeks sebelumnya, didarab dengan seratus. = $\frac{(126.0 - 120.0)}{120.0} \times 100$ = 5.0%	Producer Price Index	126.0
Tolak			Less	
Indeks Sebelum	120.0		Previous Index	120.0
Bersamaan dengan	<u>6.0</u>		Equal to	<u>6.0</u>
				= $\frac{(126.0 - 120.0)}{120.0} \times 100$ = 5.0%

10. Klasifikasi

Pembahagian IHPR mengikut industry bagi pengeluaran tempatan dikelaskan mengikut Klasifikasi Piawai Perindustrian Malaysia (MSIC) 2008 yang berasaskan Klasifikasi Piawai Perindustrian Antarabangsa (ISIC) Pindaan 4 dan Piawai Penjenisan Perdagangan Antarabangsa (SITC) Pindaan 4.

11. Penerbitan

IHPR disusun dan diterbitkan setiap bulan mengikut sektor utama MSIC bagi barangan keluaran tempatan. Penerbitan IHPR disiarkan kepada awam pada hari bekerja terakhir setiap bulan mengikut bulan rujukan. Angka utama IHPR juga disiarkan dalam laman web Jabatan (<https://www.dosm.gov.my>) pada hari yang sama ia diterbitkan.

12. Pelarasan Bermusim

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**.

10. Classification

The industry breakdown of the PPI for local production is classified according to the Malaysia Standard Industrial Classification (MSIC) 2008, which generally follows the International Standard Industrial Classification (ISIC) Rev. 4 and Standard International Trade Classification (SITC) Rev. 4.

11. Publication

The PPI publication is compiled and published each month for the main MSIC sectors for locally produced goods. The PPI monthly publication is released to the general public on the last working day of the month following the reference month. Key PPI figures are also released on the Department's website (<https://www.dosm.gov.my>) on the same day for it published.

12. 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**.*

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

Di Malaysia, kebanyakan data siri masa dipengaruhi oleh kesan bermusim. Oleh itu, untuk menghapus dan melaraskan kesan bermusim data siri masa ekonomi Malaysia, pakej standard pelarasan bermusim, X-12 ARIMA telah digunakan oleh Jabatan Perangkaan, Malaysia. Data siri masa ekonomi Malaysia juga kerap dipengaruhi oleh perayaan agama utama seperti 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).

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).

13. Keperluan Kerahsiaan

Data yang digunakan untuk menyusun IHPR telah dipungut di bawah peruntukan Akta Statistik 1965 (Disemak-1989). Akta tersebut menetapkan bahawa kandungan penyata individu adalah sulit. Oleh yang demikian, angka yang telah diagregat sahaja diterbitkan.

13. Confidentiality Requirements

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

14. Pindaan

Pindaan dibuat kepada angka yang telah diterbitkan berdasarkan data terkini yang diperoleh.

14. Revisions

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

15. Simbol dan Singkatan

r kemaskini
– tanda negatif
dll dan lain-lain
t.t.t.l tidak terkelas di tempat lain

15. Symbols and Abbreviations

r revised
– negative sign
dll et cetera
t.t.t.l not elsewhere classified

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**JADUAL TARIKH PENGELUARAN INDEKS HARGA PENGELUAR - PENGELUARAN TEMPATAN
JANUARI – DISEMBER 2017**

*SCHEDULE OF RELEASE DATES FOR PRODUCER PRICE INDEX - LOCAL PRODUCTION
JANUARY – DECEMBER 2017*

Bulan Rujukan <i>Reference Month</i>	Tarikh <i>Dates</i>
Januari 2017 <i>January 2017</i>	28 February 2017
Februari 2017 <i>February 2017</i>	31 Mac 2017 <i>31 March 2017</i>
Mac 2017 <i>March 2017</i>	28 April 2017
April 2017	31 Mei 2017 <i>31 May 2017</i>
Mei 2017 <i>May 2017</i>	30 Jun 2017 <i>30 June 2017</i>
Jun 2017 <i>June 2017</i>	31 Julai 2017 <i>31 July 2017</i>
Julai 2017 <i>July 2017</i>	30 Ogos 2017 <i>30 August 2017</i>
Ogos 2017 <i>August 2017</i>	29 September 2017
September 2017	31 Oktober 2017 <i>31 October 2017</i>
Oktober 2017 <i>October 2017</i>	30 November 2017
November 2017	29 Disember 2017 <i>29 December 2017</i>
Disember 2017 <i>December 2017</i>	30 Januari 2018 <i>30 January 2018</i>

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HARGA : **RM 15.00**
PRICE

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