



KEMENTERIAN EKONOMI
JABATAN PERANGKAAN MALAYSIA

ISSN 3009-0695



2023

SUKU KEDUA

SECOND QUARTER

STATISTIK PERLOMBONGAN PETROLEUM DAN GAS ASLI

*MINING OF
PETROLEUM AND NATURAL GAS STATISTICS*

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA



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Diterbitkan pada : **15 SEPTEMBER 2023**
Released on **SEPTEMBER**

Pemakluman

Jabatan Perangkaan Malaysia (DOSM) sedang menjalankan Banci Ekonomi pada tahun 2023. DOSM amat menghargai kerjasama daripada responden dalam memberikan maklumat kepada DOSM serta menjayakan banci ini. Sila layari www.dosm.gov.my untuk maklumat lanjut.

DOSM telah melancarkan OpenDOSM NextGen sebagai medium yang menyediakan katalog data dan visualisasi bagi memudahkan pengguna menganalisis pelbagai data. OpenDOSM NextGen ialah platform perkongsian data sumber terbuka dan boleh diakses melalui portal <https://open.dosm.gov.my>.

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

Announcement

The Department of Statistics Malaysia (DOSM) is conducting the Economic Census in 2023. DOSM greatly appreciates the cooperation of respondents in providing information and ensuring the success of this census. Please visit www.dosm.gov.my for more information.

DOSM has launched OpenDOSM NextGen as a medium that provides a catalogue of data and visualisation to facilitate users in analysing various data. OpenDOSM NextGen is an open source data sharing platform and accessible through <https://open.dosm.gov.my> portal.

The Government of Malaysia has declared National Statistics Day (MyStats Day) on October 20 each year. MyStats Day theme is "Connecting the World with Data We Can Trust".

Diterbitkan dan dicetak oleh / *Published and printed by:*

Jabatan Perangkaan Malaysia

Department of Statistics, Malaysia

Blok C6 & C7, Kompleks C,

Pusat Pentadbiran Kerajaan Persekutuan

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Harga/ <i>Price</i>	: RM25.00

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Tiada bahagian daripada terbitan ini boleh diterbitkan semula, disimpan untuk pengeluaran atau ditukar dalam apa-apa bentuk atau alat apa jua pun kecuali setelah mendapat kebenaran daripada Jabatan Perangkaan Malaysia. Pengguna yang mengeluarkan sebarang maklumat dari terbitan ini sama ada yang asal atau diolah semula hendaklah meletakkan kenyataan berikut:

“Sumber: Jabatan Perangkaan Malaysia”.

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ISSN: 3009-0695



Statistik Perlombongan Petroleum dan Gas Asli merupakan laporan yang julung kali diterbitkan oleh Jabatan Perangkaan Malaysia (DOSM). Ia menghimpunkan pelbagai statistik yang dikeluarkan oleh DOSM, serta statistik yang diperoleh dari agensi yang berkaitan seperti PETRONAS dan Malaysia Thailand Joint Authority (MTJA). Inisiatif untuk menerbitkan statistik ini secara suku tahunan adalah untuk memenuhi permintaan yang semakin meningkat bagi statistik perlombongan petroleum dan gas asli yang komprehensif secara berkala.

Penerbitan ini mengandungi statistik pengeluaran, jualan, harga, eksport dan import berkaitan minyak mentah & kondensat dan gas asli. Selain itu, indikator makroekonomi yang merangkumi Keluaran Dalam Negeri Kasar (KDNK), Indeks Pengeluaran Perindustrian (IPP), Indeks Harga Pengeluar (IHPR) serta statistik guna tenaga dan produktiviti buruh turut dilaporkan dalam penerbitan ini. Statistik ini boleh membantu agensi kerajaan, ahli ekonomi, ahli akademik serta individu bagi tujuan membuat perancangan dan penggubalan dasar, analisis ekonomi dan unjuran serta dapat membantu merancang pembangunan perniagaan.

Laporan ini dibahagikan kepada tiga bahagian. Bahagian pertama memaparkan infografik dan ringkasan penemuan bagi keseluruhan industri minyak mentah dan gas asli, manakala bahagian kedua memuatkan jadual statistik terperinci. Aspek teknikal seperti sumber data, konsep & definisi serta pembolehubah utama yang digunakan diterangkan di bahagian ketiga bagi memudahkan pengguna memahami statistik yang diterbitkan.

DOSM merakamkan setinggi-tinggi penghargaan atas kerjasama dan sumbangan yang diberikan oleh semua pihak dalam menjayakan penerbitan ini. Pandangan dan cadangan untuk penambahbaikan penerbitan ini pada masa akan datang amat dihargai.

DATO' SRI DR. MOHD UZIR MAHIDIN

Ketua Perangkawan Malaysia

September 2023



The Mining of Petroleum and Natural Gas Statistics is an inaugural report published by the Department of Statistics Malaysia (DOSM). It assembles various statistics released by DOSM, as well as statistics obtained from relevant agencies such as PETRONAS and Malaysia Thailand Joint Authority (MTJA). The initiative to publish these statistics on a quarterly basis is to fulfil the rising demand for frequent and comprehensive mining of petroleum and natural gas statistics.

This publication provides statistics on production, sales, prices, exports and imports of crude oil & condensate and natural gas. In addition, macroeconomic indicators which include Gross Domestic Product (GDP), Industrial Production Index (IPI), Producer Price Index (PPI) as well as employment and labour productivity statistics are also reported in this publication. These statistics could assist government agencies, economists, academicians, as well as individuals in the planning and formulation of policies, economic analysis and projections as well as for business development planning.

This report is divided into three parts. The first part highlights the infographic and summary of findings for the overall crude oil and natural gas industry, while the second part contains detailed statistical tables. Technical aspects such as sources of data, concepts & definitions and the main variables used are explained in the third part to assist users in understanding the published statistics.

DOSM gratefully acknowledges the cooperation and contribution rendered by all parties in making this publication a success. Every feedback and suggestion towards improving future publication is highly appreciated.

DATO' SRI DR. MOHD UZIR MAHIDIN
Chief Statistician, Malaysia

September 2023

Simbol dan singkatan berikut telah digunakan dalam keseluruhan penerbitan:
The following symbols and abbreviations have been used throughout the publication:

-	: tiada / <i>nil</i>
%	: peratus / <i>percentage</i>
&	: dan / <i>and</i>
bbl	: <i>Barrel</i>
BCF	: Bilion Kaki Padu / <i>Billion Cubic Feet</i>
dll / n.e.c	: dan lain-lain / <i>not elsewhere classified</i>
IHPR / <i>PPI</i>	: Indeks Harga Pengeluar / <i>Producer Price Index</i>
IPP / <i>IPI</i>	: Indeks Pengeluaran Perindustrian / <i>Industrial Production Index</i>
IRIS	: <i>International Recommendation for Industrial Statistics</i>
KDNK / <i>GDP</i>	: Keluaran Dalam Negeri Kasar / <i>Gross Domestic Product</i>
LNG	: Gas Asli Cecair / <i>Liquefied Natural Gas</i>
LPG	: Gas Petroleum Cecair / <i>Liquefied Petroleum Gas</i>
MMSCF	: (Juta) Kaki Padu Standard / <i>(Million) Standard Cubid Feet</i>
MSCF	: (Ribu) Kaki Padu Standard / <i>(Thousand) Standard Cubid Feet</i>
MSIC	: Piawaian Klasifikasi Industri Malaysia / <i>Malaysia Standards Industrial Classification</i>
MTJA	: Malaysia Thailand Joint Authority
n.a.	: Tidak berkaitan / <i>Not applicable</i>
NYMEX	: New York Mercantile Exchange
Q	: Suku tahun / <i>Quarter</i>
QoQ	: Suku tahun ke suku tahun / <i>Quarter-on-Quarter</i>
RM	: Ringgit Malaysia / <i>Malaysian Ringgit</i>
USA	: Amerika Syarikat / <i>United States of America</i>
USD	: <i>US Dollar</i>
WALP	: <i>Weighted Average Lifting Price</i>
WTI	: West Texas Intermediate
YoY	: Tahun ke tahun / <i>Year-on-Year</i>

NOTA / NOTE:

Jumlah angka komponen mungkin tidak bersamaan dengan angka jumlah kecil atau jumlah besar disebabkan pembundaran.

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



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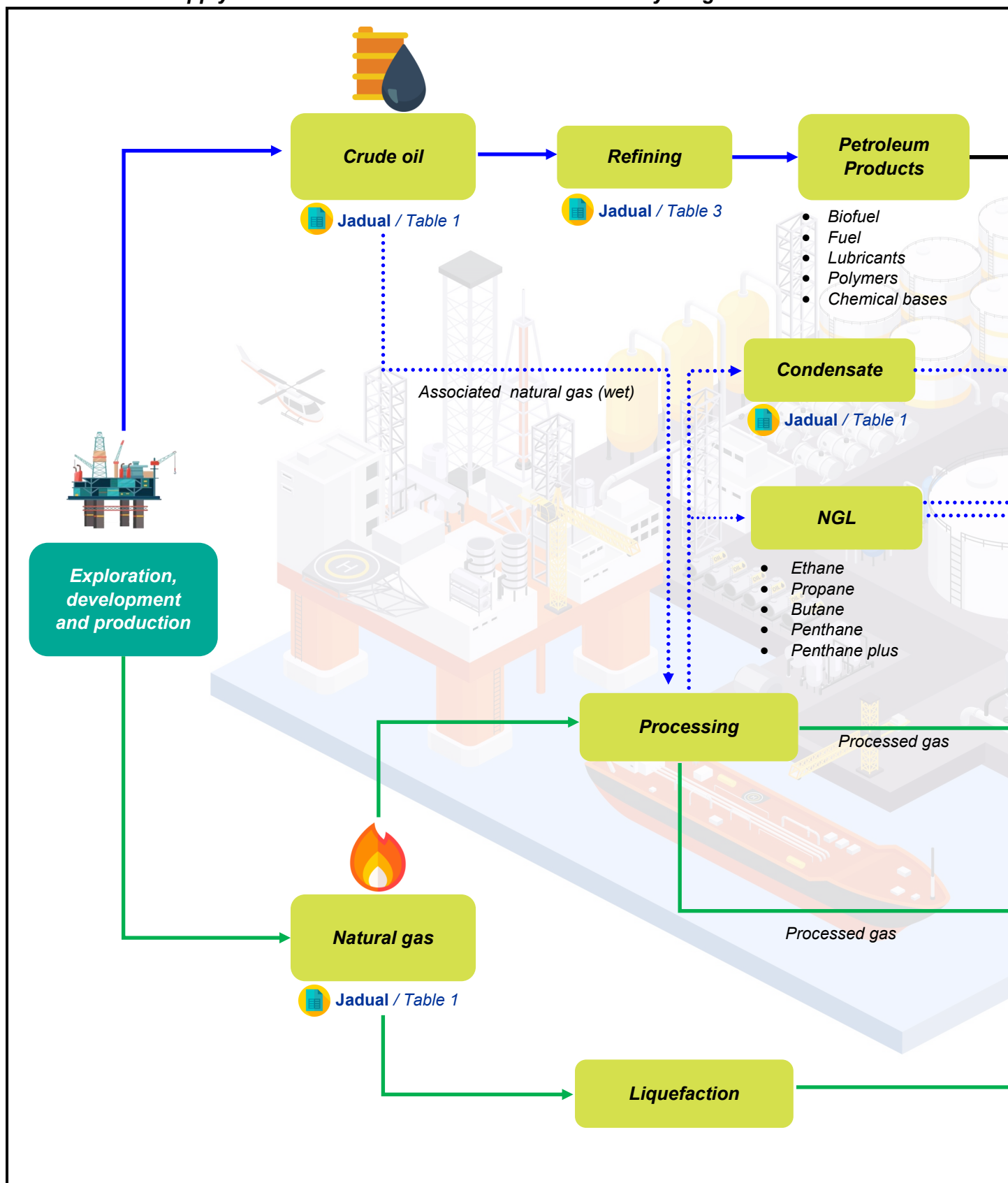
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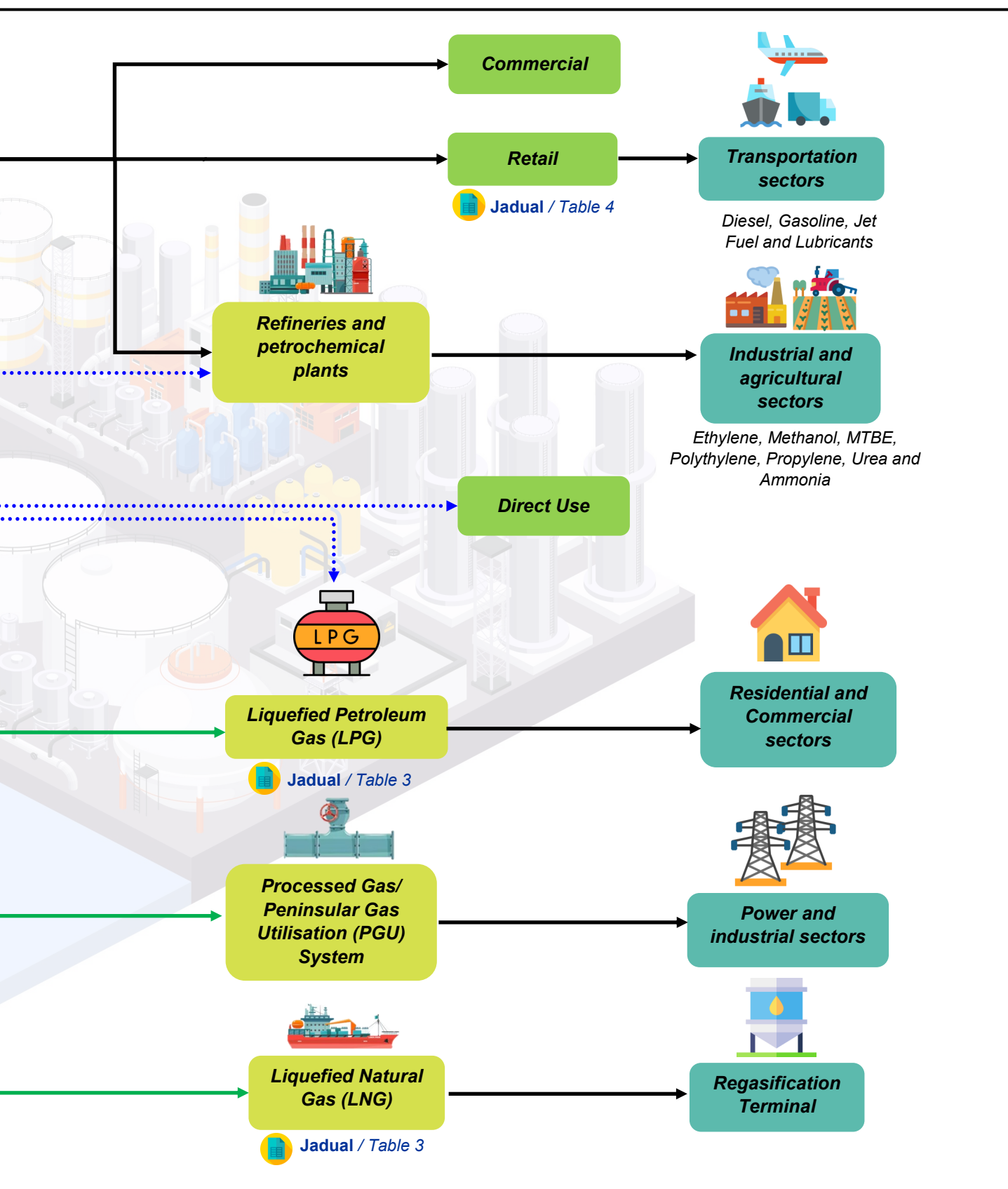
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Supply Chain of Crude Oil and Natural Gas Industry Diagram



Sources: PETRONAS and Joint Organisations Data Initiative (JODI) and illustrated by Department of Statistics Malaysia (DOSM)
Note: This diagram is provide to guide user in understanding the statistics in this publication



BAHAGIAN
PART

1



RINGKASAN PENEMUAN
SUMMARY OF FINDINGS



STATISTIK PERLOMBONGAN PETROLEUM DAN GAS ASLI SUKU KEDUA 2023

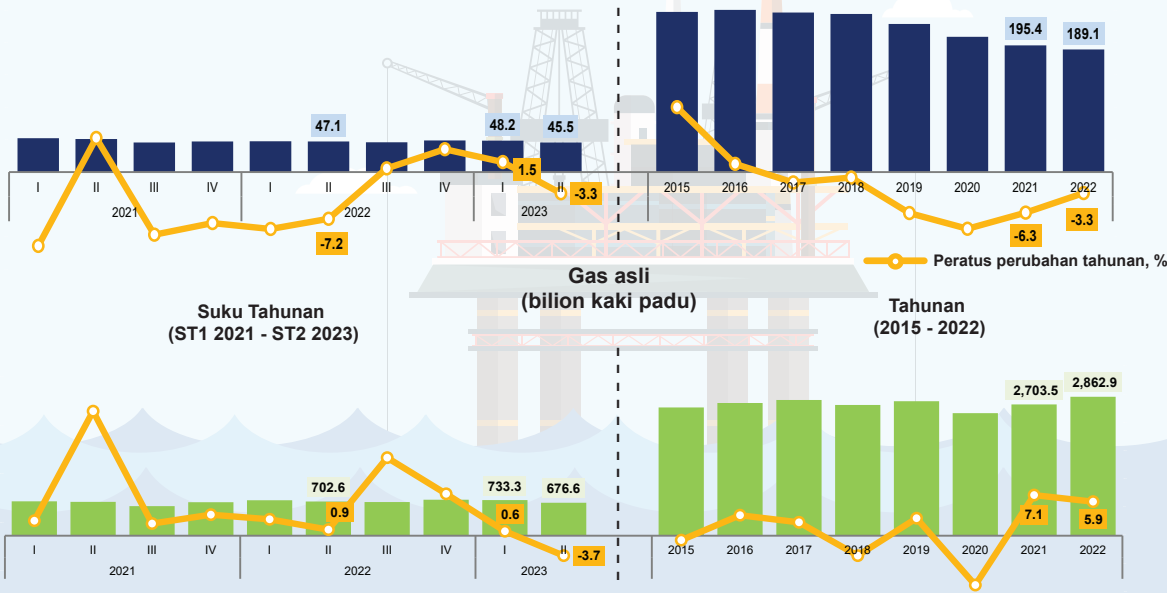
Pengeluaran Minyak mentah & kondensat dan Gas asli menurun pada suku kedua 2023, masing-masing menyusut 3.3 peratus dan 3.7 peratus

Pengeluaran

Minyak mentah dan kondensat
(¹000 tong)

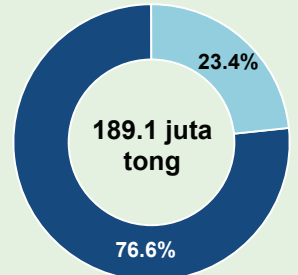
Suku Tahunan
(ST1 2021 - ST2 2023)

Tahunan
(2015 - 2022)

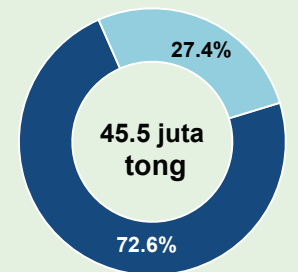


Peratusan Sumbangan Pengeluaran
Minyak Mentah dan Kondensat

2022



ST2 2023



Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

Peratus perubahan tahunan, %

Harga, ST2 2023

Nilai Jualan Produk Petroleum, ST2 2023

WALP ¹ (Malaysia)	USD80.5
WTI ²	USD73.8
Brent	USD78.3
Henry Hub	USD2.2

%: Peratus perubahan tahunan

Jualan produk petroleum bertapis	Jualan borong bahan api pepejal, cecair & gas dan produk berkaitan	Jualan runcit di kedai khusus yang menjual bahan api kenderaan
RM56.5 billion	RM37.6 billion	RM16.7 billion
-6.2%	-1.2%	11.1%

%: Peratus perubahan tahunan

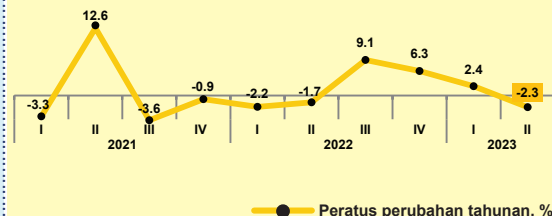
Sumber: PETRONAS dan EIA

Sumber: Perangkaan Pembuatan Bulanan dan Prestasi Borong & Runcit Jun 2023, DOSM

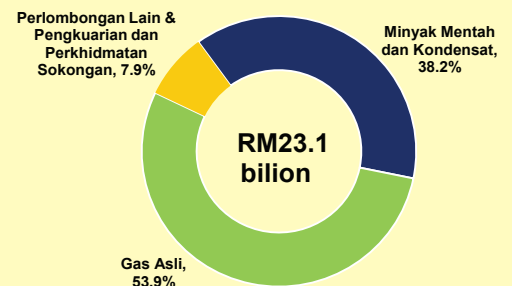
¹WALP: Weighted Average Lifting Price
²WTI: West Texas Intermediate

Keluaran Dalam Negeri Kasar (KDNK) pada Harga Malar 15

Perlombongan dan Pengkuarian

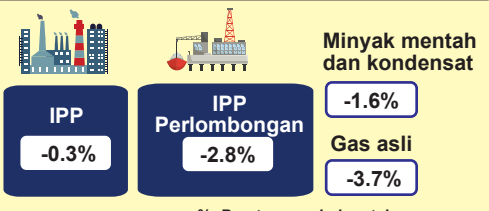


Peratusan Sumbangan Perlombongan dan Pengkuarian mengikut Subsektor, ST2 2023



Sumber: Keluaran Dalam Negeri Kasar (KDNK) ST2 2023, DOSM

Indeks Pengeluaran Perindustrian (IPP), ST2 2023



%: Peratus perubahan tahunan

Sumber: Indeks Pengeluaran Perindustrian Malaysia (2015=100) ST2 2023, DOSM

ST2 2023

Eksport Negara Destinasi Utama

Import Negara Asal Utama

Petroleum mentah dan kondensat 	RM6.5 billion			RM16.8 billion		
	Jepun	Thailand	Australia	Arab Saudi	Emiriah Arab Bersatu	Colombia
	25.6%	23.3%	17.2%	56.5%	13.5%	4.3%
Keluaran petroleum bertapis 	RM35.3 billion			RM33.3 billion		
	Australia	Singapura	Indonesia	Singapura	Republik Korea	China
	21.0%	19.9%	14.4%	31.1%	11.6%	11.2%
Gas asli cecair (LNG) 	RM12.8 billion			RM1.1 billion		
	Jepun	China	Republik Korea	Australia	Brunei Darussalam	
	43.1%	27.7%	18.2%	80.1%	19.9%	

Sumber: DOSM, Jun 2023

Nota: Statistik merujuk kepada peratusan sumbangan tertinggi mengikut negara asal dan destinasi

Jumlah eksport Jumlah import %: Peratusan sumbangan



MINING OF PETROLEUM AND NATURAL GAS STATISTICS SECOND QUARTER 2023

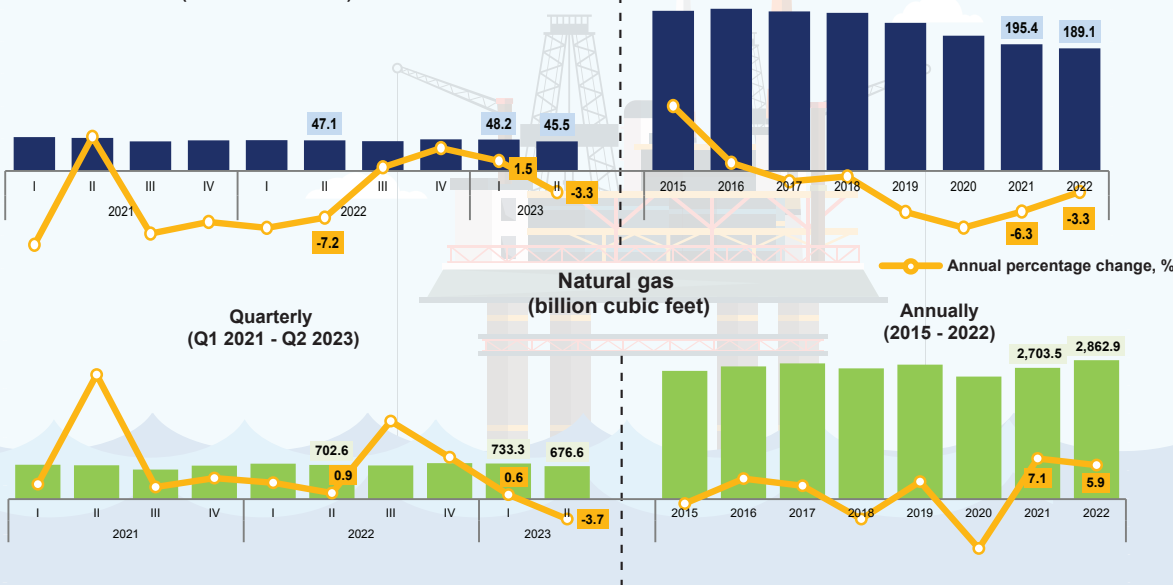
Production of Crude oil & condensate and Natural gas declined in the second quarter of 2023, contracted by 3.3 per cent and 3.7 per cent respectively

Production

Crude oil and condensate
('000 barrels)

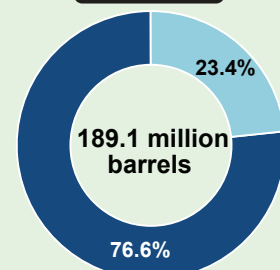
Quarterly
(Q1 2021 - Q2 2023)

Annually
(2015 - 2022)

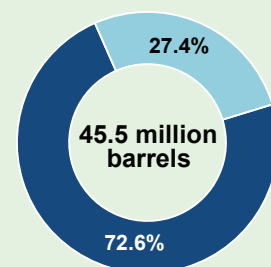


Percentage Share of Crude Oil and Condensate Production

2022



Q2 2023



Note: Calculation by DOSM using the statistics from PETRONAS and MTJA

Annual percentage change, %

Price, Q2 2023

Sales Value of Petroleum Products, Q2 2023

WALP ¹ (Malaysia)	WTI ²
USD80.5	USD73.8
-30.9%	-32.2%
Brent	Henry Hub
USD78.3	USD2.2
-31.0%	-71.1%

%, Annual percentage change

Source: PETRONAS and EIA

¹ WALP: Weighted Average Lifting Price
² WTI: West Texas Intermediate

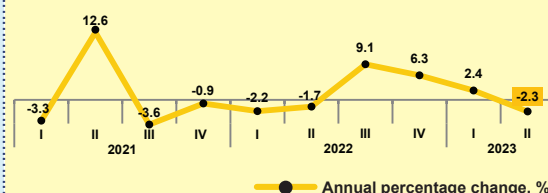
Refined petroleum products	Wholesale of solid liquid and gaseous fuels & related products	Retail sale of automotive fuel in specialised stores
RM56.5 billion	RM37.6 billion	RM16.7 billion
-6.2%	-1.2%	11.1%

%, Annual percentage change

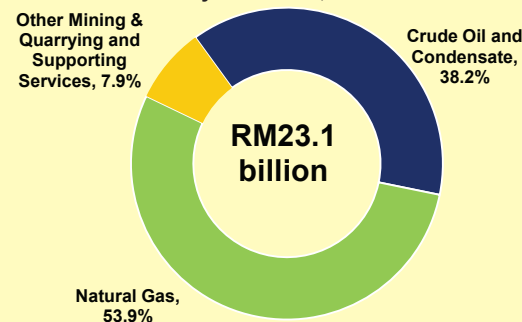
Source: Monthly Manufacturing Statistics and Performance of Wholesale & Retail Trade June 2023, DOSM

Gross Domestic Product (GDP) at Constant 2015 Prices

Mining and Quarrying

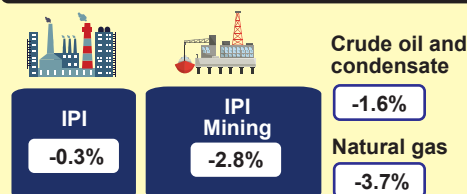


Percentage Share of Mining and Quarrying by subsector, Q2 2023



Source: Gross Domestic Product (GDP) Q2 2023, DOSM

Industrial Production Index (IPI), Q2 2023



%, Annual percentage change

Source: Malaysia Industrial Production Index (2015=100) Q2 2023, DOSM

Q2 2023

Exports by Major Country of Destination

Imports by Major Country of Origin

Crude petroleum and condensate

RM6.5 billion

RM16.8 billion

Japan	Thailand	Australia
25.6%	23.3%	17.2%

Saudia Arabia	United Arab Emirates	Colombia
56.5%	13.5%	4.3%

Refined petroleum products

RM35.3 billion

RM33.3 billion

Australia	Singapore	Indonesia
21.0%	19.9%	14.4%

Singapore	Republic of Korea	China
31.1%	11.6%	11.2%

Liquefied natural gas (LNG)

RM12.8 billion

RM1.1 billion

Japan	China	Republic of Korea
43.1%	27.7%	18.2%

Australia	Brunei Darussalam
80.1%	19.9%

Source: DOSM, June 2023

Note: The Statistics refer to the highest percentage share by country of origin and destination

Total of exports Total of imports %: Percentage share



1. Pengenalan

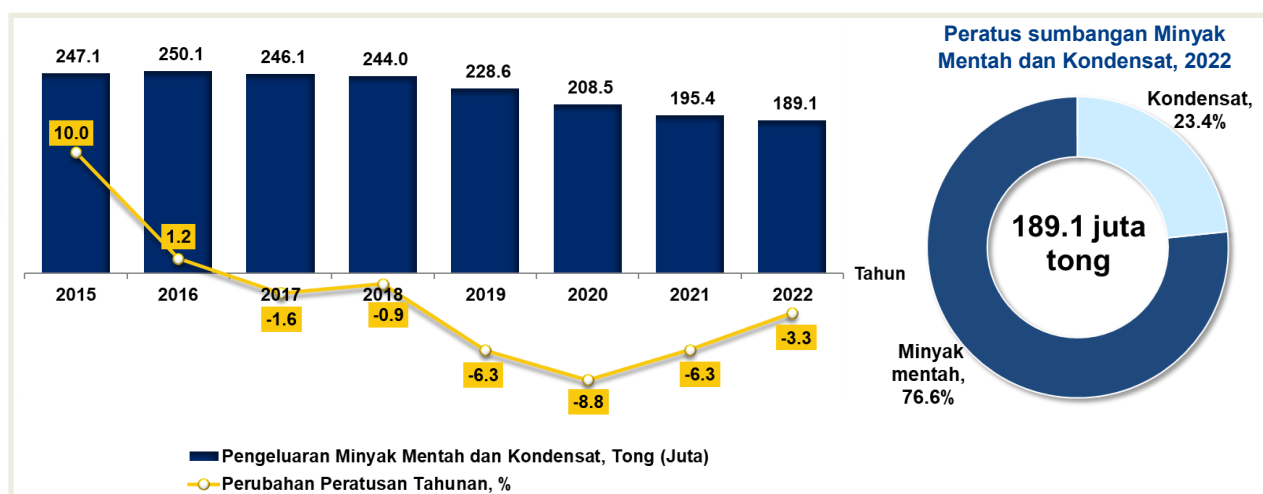
Statistik Perlombongan Petroleum dan Gas Asli membentangkan statistik pengeluaran minyak mentah, kondensat & gas asli; harga purata minyak mentah; pengeluaran & nilai jualan produk utama petroleum bertapis; jualan borong bahan api pepejal, cecair & gas & produk berkaitan; dan eksport & import petroleum mentah & kondensat, keluaran petroleum bertapis & gas asli cecair (LNG). Penerbitan ini turut melaporkan statistik Keluaran Dalam Negeri Kasar (KDNK), Indeks Pengeluaran Perindustrian (IPP), Indeks Harga Pengeluar (IHPR) mengikut aktiviti ekonomi serta statistik guna tenaga dan produktiviti buruh bagi sektor Perlombongan dan pengkuarian bagi tempoh suku pertama 2015 hingga suku kedua 2023. Statistik tahunan turut dilaporkan dalam penerbitan ini.

2. Prestasi Pengeluaran Minyak Mentah & Kondensat dan Gas Asli, 2015 - 2022

Pengeluaran Minyak mentah dan kondensat mencatatkan pengeluaran tertinggi sebanyak 250.1 juta tong pada 2016, walau bagaimanapun pengeluaran mula menunjukkan trend penurunan sejak 2017. Sementara itu, pengeluaran terendah dicatatkan adalah pada 2020 berjumlah 208.5 juta tong dengan penurunan 8.8 peratus berbanding 228.6 juta tong pada tahun 2019 berikutan penularan wabak Coronavirus-19 (COVID-19) yang melanda negara dan dunia pada ketika itu.

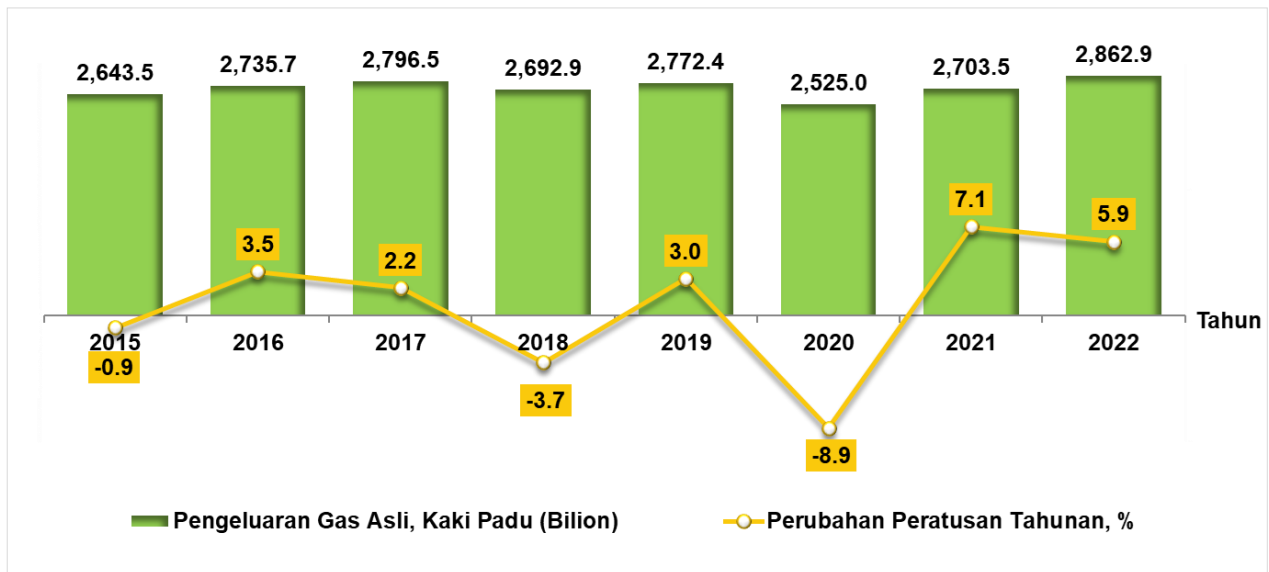
Minyak mentah merangkumi 76.6 peratus atau 144.9 juta tong manakala kondensat menyumbang 23.4 peratus dengan nilai pengeluaran 44.2 juta tong pada 2022 seperti yang ditunjukkan di **Carta 1**.

Carta 1 Prestasi Pengeluaran Minyak Mentah dan Kondensat, 2015 - 2022



Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

Pengeluaran Gas asli berada dalam purata 2,716.6 bilion kaki padu sepanjang tempoh dari 2015 hingga 2022. Berikutan penularan COVID-19 pada 2020, pengeluaran terendah yang pernah dicatat adalah berjumlah 2,525.0 bilion kaki padu. Walaupun begitu, pengeluaran Gas asli pulih pada 2021 dengan 2,703.5 bilion kaki padu dan seterusnya mencatatkan pengeluaran yang tertinggi pada 2022 sebanyak 2,862.9 bilion kaki padu seperti di **Carta 2**.

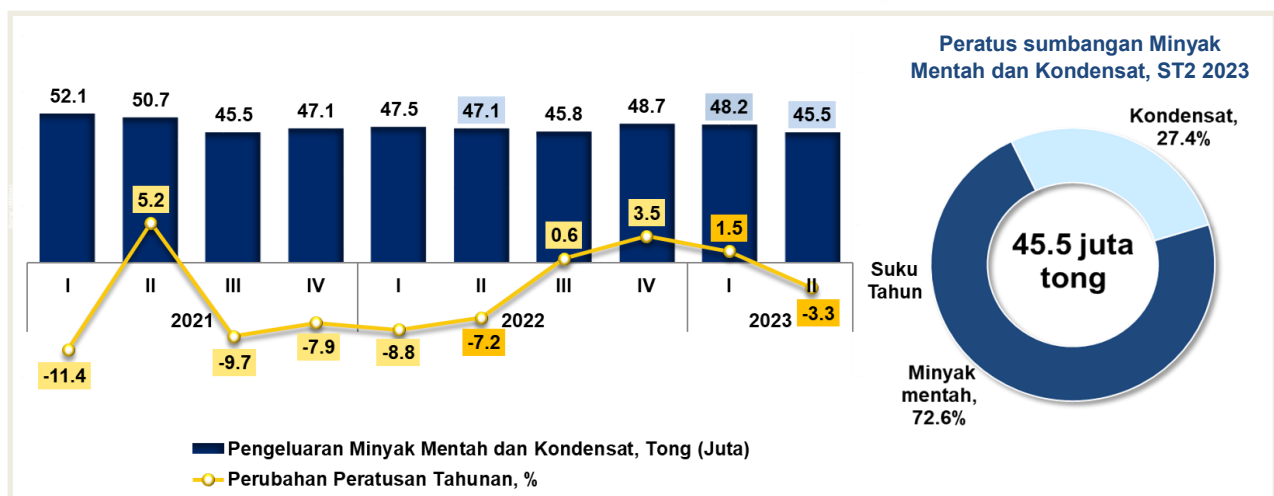

Carta 2 Prestasi Pengeluaran Gas Asli, 2015 - 2022


Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

3. Prestasi Pengeluaran Minyak Mentah & Kondensat dan Gas Asli, Suku Kedua 2023

Secara keseluruhannya, pengeluaran Minyak mentah & kondensat dan Gas asli menunjukkan penurunan pada suku kedua 2023. Minyak mentah dan kondensat menguncup 3.3 peratus (ST1 2023: 1.5%), tahun ke tahun dengan nilai pengeluaran 45.5 juta tong. Ini dipengaruhi oleh penurunan pengeluaran minyak mentah kepada negatif 7.9 peratus (ST1 2023: -5.5%), manakala pengeluaran kondensat berkembang pada kadar yang perlahan 11.3 peratus pada suku kedua tahun ini berbanding 27.0 peratus pada suku tahun sebelumnya.

Minyak mentah merupakan penyumbang terbesar dengan 72.6 peratus atau bersamaan 33.1 juta tong, manakala kondensat menyumbang 27.4 peratus atau 12.5 juta tong pada suku kedua 2023 (**Carta 3**).

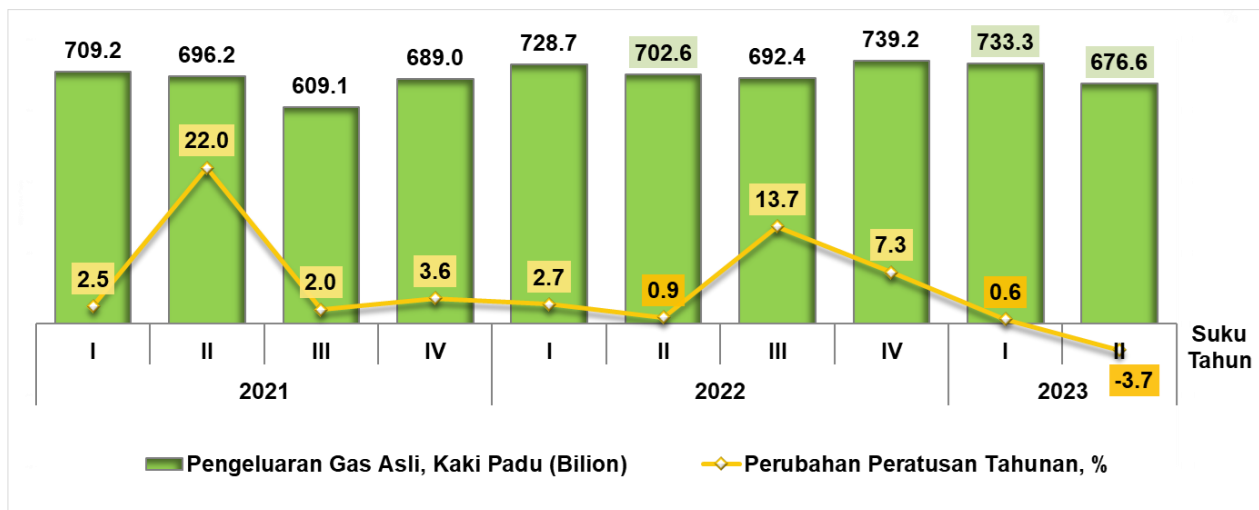
Carta 3 Prestasi Pengeluaran Minyak Mentah dan Kondensat, ST1 2021 - ST2 2023


Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA



Sementara itu, pengeluaran Gas asli berjumlah 676.6 bilion kaki padu yang merosot 3.7 peratus pada suku kedua 2023 (ST1 2023: 733.3 bilion kaki padu, 0.6%). Nilai pengeluaran menurun sebanyak 56.7 bilion kaki padu berbanding suku tahun sebelumnya seperti di **Carta 4**.

Carta 4 Prestasi Pengeluaran Gas Asli, ST1 2021 - ST2 2023

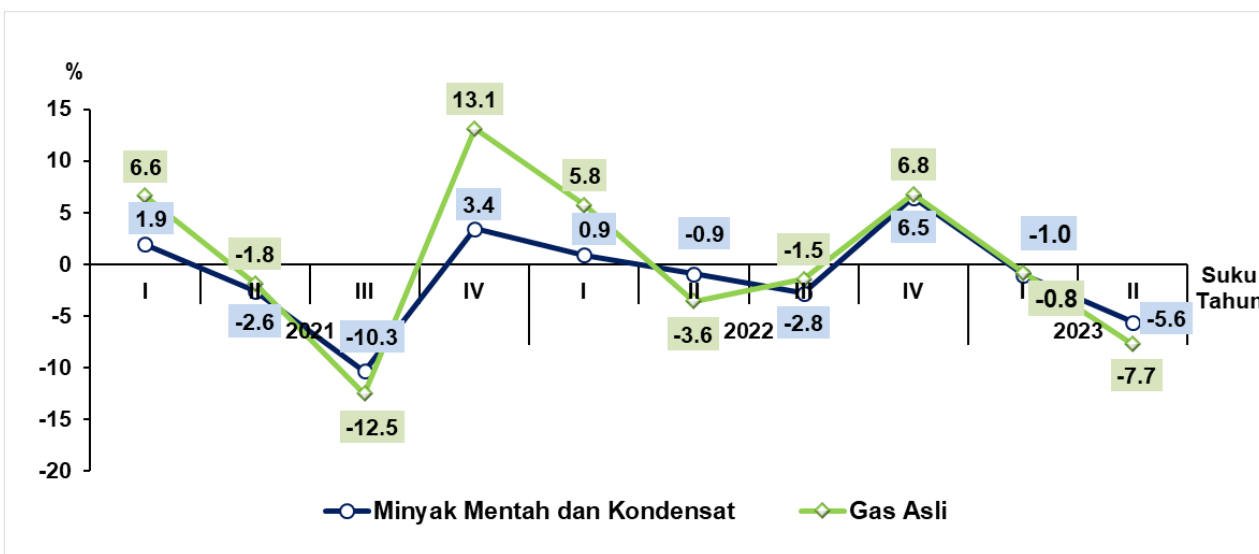


Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

Bagi perbandingan suku tahun sebelumnya, pengeluaran Minyak mentah dan kondensat kekal dalam jajaran negatif iaitu 5.6 peratus berbanding negatif 1.0 peratus pada suku pertama 2023 yang dipengaruhi oleh kemerosotan dalam pengeluaran Minyak mentah dan kondensat pada suku tahun tersebut.

Pada masa yang sama, Gas asli turut menunjukkan penyusutan 7.7 peratus berbanding negatif 0.8 peratus yang direkodkan pada suku tahun sebelumnya seperti yang dipaparkan di **Carta 5**.

Carta 5 Pengeluaran Minyak Mentah & Kondensat dan Gas Asli, ST1 2021 - ST2 2023 - Perubahan Peratusan dari Suku Tahun Sebelumnya



Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

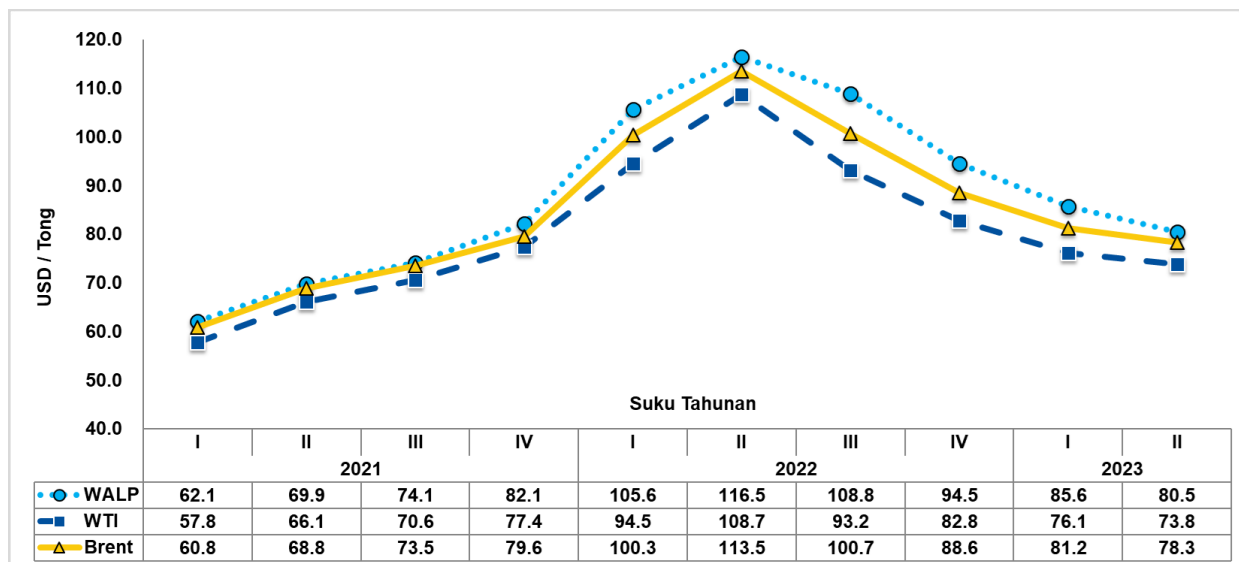


4. Harga Minyak Mentah dan Kondensat

West Texas Intermediate (WTI) dan Brent digunakan dalam menilai prestasi harga Minyak mentah dan kondensat di peringkat pasaran global. Sementara itu, Harga Purata “Lifting” Berpemberat (WALP) adalah harga yang diwartakan dan digunakan di Malaysia. WTI merujuk kepada minyak mentah yang dihasilkan di Amerika Syarikat, khususnya di rantau Texas, manakala Brent merujuk kepada minyak mentah yang dihasilkan di beberapa lapangan minyak di Laut Utara, terutamanya di luar pesisir United Kingdom.

Harga Minyak mentah dan kondensat telah menunjukkan trend penurunan untuk empat suku tahun berturut-turut, selepas merekodkan USD116.5 per tong pada suku kedua tahun 2022. Pada suku kedua 2023, WALP bagi Minyak mentah dan kondensat adalah USD80.5 per tong, lebih rendah daripada USD85.6 per tong yang direkodkan dalam suku sebelumnya seperti ditunjukkan di **Carta 6**. Selain itu, harga per tong WTI adalah USD73.8 dan Brent adalah USD78.3 pada suku ini.

Carta 6 Harga Minyak Mentah dan Kondensat, ST1 2021 - ST2 2023



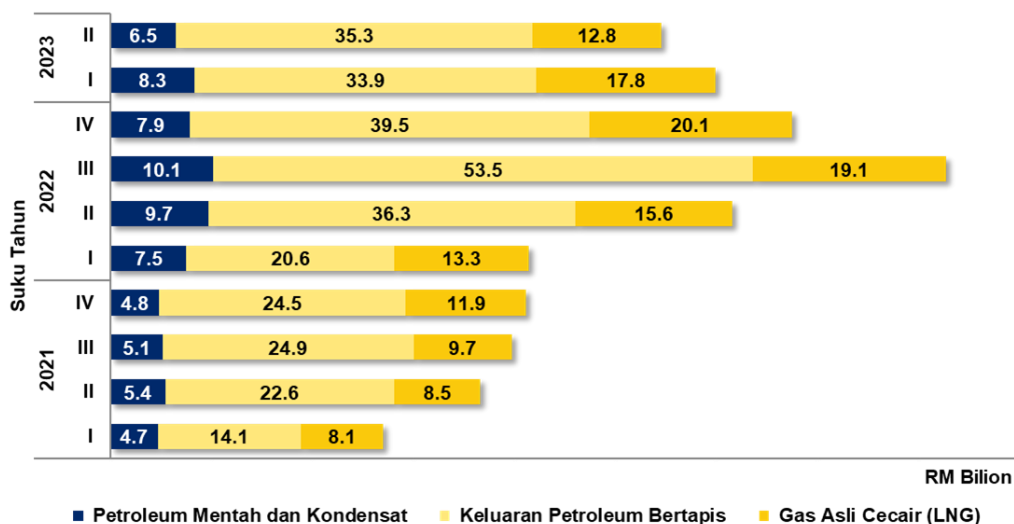
Sumber: PETRONAS dan EIA



5. Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG)

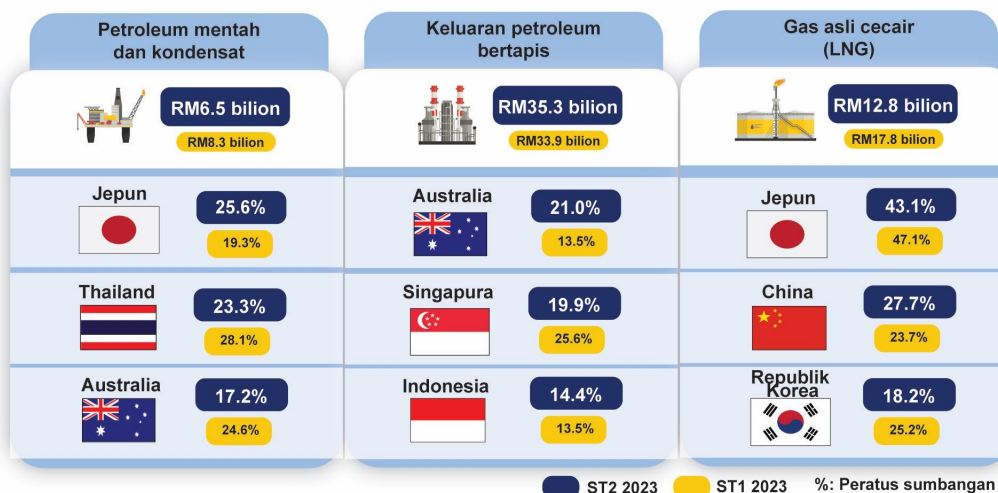
Nilai eksport Petroleum mentah dan kondensat berkurang kepada RM6.5 bilion pada suku kedua 2023 berbanding RM8.3 bilion pada suku sebelumnya. Sementara itu, nilai eksport bagi Keluaran petroleum bertapis meningkat kepada RM35.3 bilion (ST1 2023: RM33.9 bilion) manakala LNG merekodkan nilai eksport yang lebih rendah iaitu RM12.8 bilion berbanding RM17.8 bilion pada suku pertama 2023 (**Carta 7**).

Carta 7 Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG), ST1 2021 - ST2 2023



Jepun merupakan negara destinasi eksport utama bagi Petroleum mentah dan kondensat pada suku tahun ini dengan RM1.7 bilion atau merangkumi 25.6 peratus, diikuti oleh Thailand (23.3%) dan Australia (17.2%). Di samping itu, sejumlah RM7.4 bilion atau 21.0 peratus daripada Keluaran petroleum bertapis adalah dieksport ke Australia pada suku kedua 2023. Ini diikuti dengan Singapura dan Indonesia dengan masing-masing mencatatkan sumbangan 19.9 peratus dan 14.4 peratus. Sementara itu, Jepun merupakan negara destinasi utama bagi LNG dengan nilai eksport sebanyak RM5.5 bilion (43.1%) pada suku kedua 2023, diikuti oleh China (27.7%) dan Republik Korea (18.2%) seperti yang ditunjukkan di **Paparan 1**.

Paparan 1 Eksport mengikut Negara Destinasi Utama - Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG)

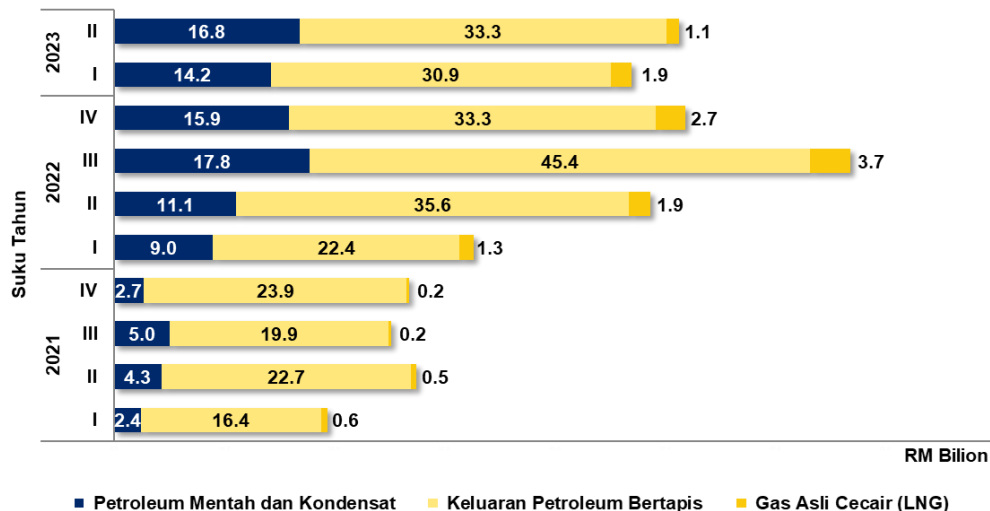




6. Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG)

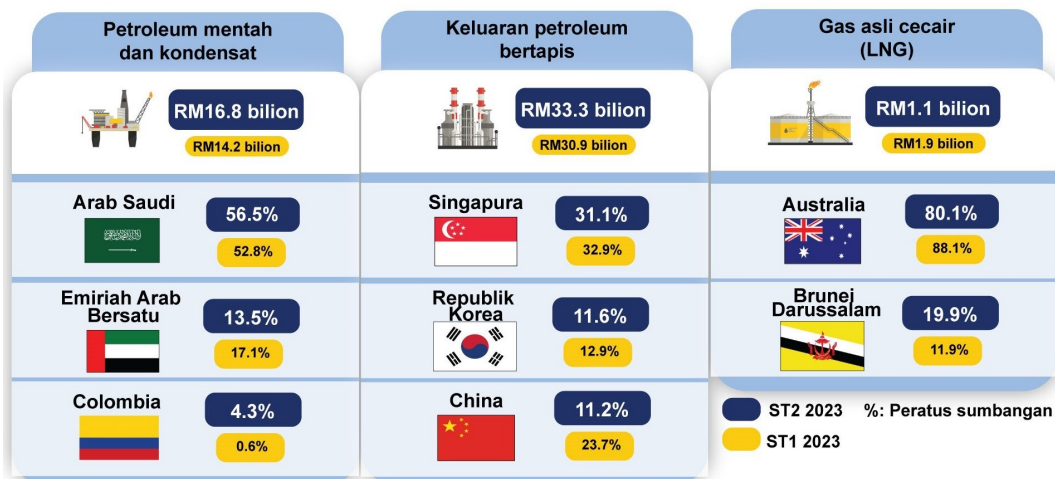
Nilai import Petroleum mentah dan kondensat meningkat kepada RM16.8 bilion berbanding RM14.2 bilion yang direkodkan pada suku tahun sebelumnya. Import Keluaran petroleum bertapis turut menunjukkan peningkatan kepada RM33.3 bilion pada suku tahun ini (ST1 2023: RM30.9 bilion). Pada masa yang sama, LNG merekodkan nilai import sebanyak RM1.1 bilion, lebih rendah berbanding RM1.9 bilion pada suku pertama 2023 (**Carta 8**).

Carta 8 Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG), ST1 2021 - ST2 2023



Import Petroleum mentah dan kondensat dari Arab Saudi menyumbang 56.5 peratus dengan nilai sebanyak RM9.5 bilion. Ini diikuti oleh Emiriah Arab Bersatu (13.5%) dan Colombia (4.3%). Bagi import Keluaran petroleum bertapis, Singapura telah menyumbang nilai tertinggi sebanyak RM10.4 bilion (31.1%), diikuti oleh Republik Korea (11.6%) dan China (11.2%). Di samping itu, import tertinggi bagi LNG adalah dari Australia yang mana berjumlah RM0.9 bilion atau 80.1 peratus, diikuti oleh Brunei Darussalam (19.9%) seperti di **Paparan 2**.

Paparan 2 Import mengikut Negara Asal Utama - Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG)

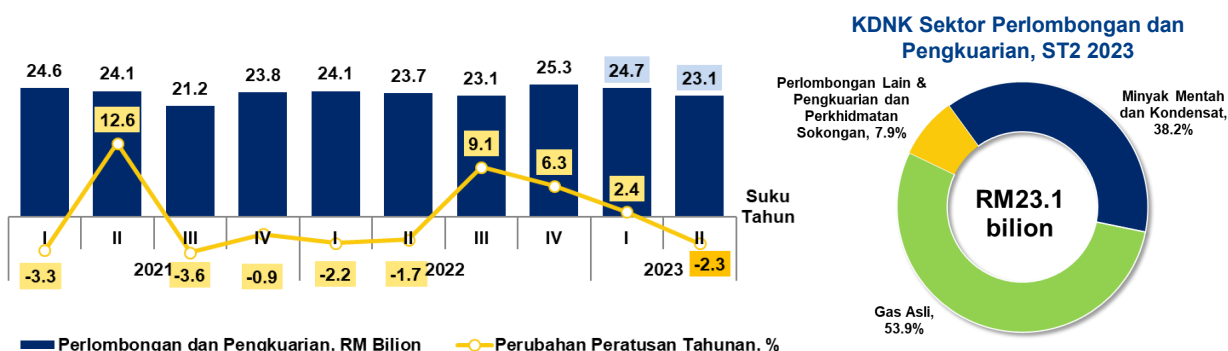




7. Keluaran Dalam Negeri Kasar Sektor Perlombongan dan Pengkuarian pada Harga Malar 2015

Pertumbuhan tahunan Keluaran Dalam Negeri Kasar (KDNK) bagi sektor Perlombongan dan pengkuarian menguncup kepada 2.3 peratus pada suku kedua 2023 selepas mencatatkan 2.4 peratus pada suku sebelumnya seperti yang ditunjukkan di **Carta 9**. Subsektor Gas asli yang mana menyumbang secara konsisten melebihi 50 peratus kepada sektor Perlombongan dan pengkuarian dengan sumbangan 53.9 peratus pada suku tahun ini, diikuti oleh Minyak mentah dan kondensat iaitu 38.2 peratus.

Carta 9 Keluaran Dalam Negeri Kasar Sektor Perlombongan dan Pengkuarian pada Harga Malar 2015





1. Introduction

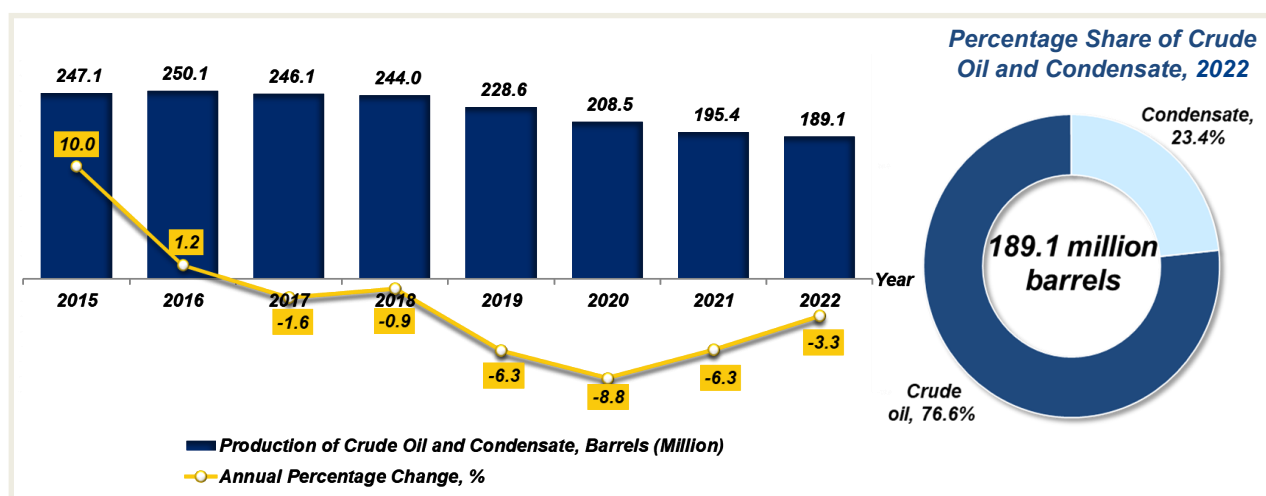
The Mining Petroleum and Natural Gas Statistics presents the production of crude oil, condensate & natural gas statistics; the average price of crude oil; production & sales value of major refined petroleum products; wholesale sales of solid fuels, liquids & gases & related products; and exports & imports of crude petroleum & condensate, refined petroleum products & liquefied natural gas (LNG). This publication also reported the statistics on Gross Domestic Product (GDP), Industrial Production Index (IPI), Producer Price Index (PPI) according to economic activity as well as employment and labour productivity statistics for the Mining and quarrying sector for the period from the first quarter of 2015 to the second quarter of 2023. Annual statistics are also included in this publication.

2. Performance of Crude Oil & Condensate and Natural Gas Production, 2015 - 2022

The production of Crude oil and condensate recorded the highest value of 250.1 million barrels in 2016, however the production began to post a downward trend since 2017. Meanwhile, the lowest production was registered in 2020 by 208.5 million barrels with a decline of 8.8 per cent as compared to 228.6 million barrels in 2019 due to the outbreak of the Coronavirus-19 (COVID-19) that hit the country and the world during the period.

Crude oil encompassed 76.6 per cent or 144.9 million barrels meanwhile condensate contributed 23.4 per cent with a value of 44.2 million barrels in 2022 as shown in **Chart 1**.

Chart 1 Performance of Crude Oil and Condensate Production, 2015 - 2022

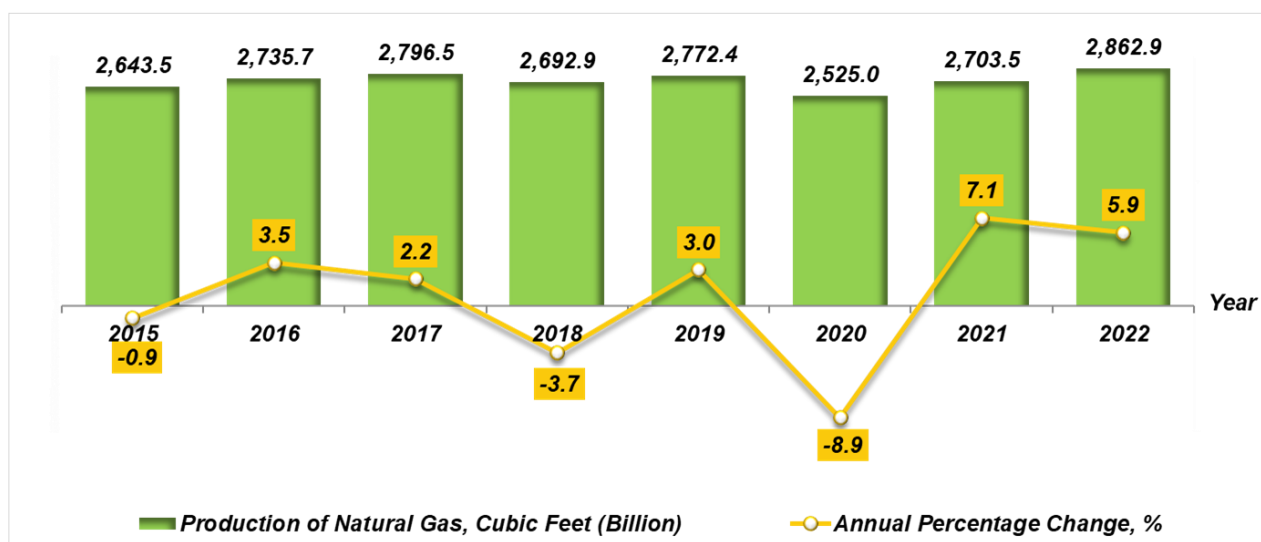


Note: Calculation by DOSM using the statistics from PETRONAS and MTJA

The production of Natural gas averaging 2,716.6 billion cubic feet throughout the period from 2015 until 2022. Following the COVID-19 contagion in 2020, the production has reached the lowest which amounted to 2,525.0 billion cubic feet. Nevertheless, the production of Natural gas rebounded in 2021 with a value of 2,703.5 billion cubic feet and then posted the highest production in 2022 with an amount of 2,862.9 billion cubic feet as shown in **Chart 2**.



Chart 2 Performance of Natural Gas Production, 2015 - 2022



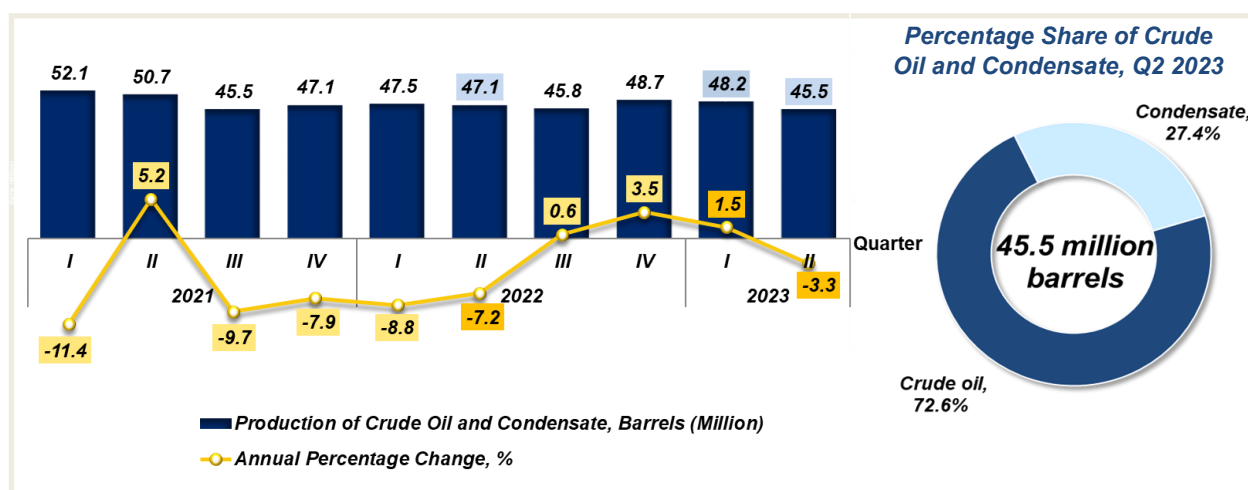
Note: Calculation by DOSM using the statistics from PETRONAS and MTJA

3. Performance of Crude Oil & Condensate and Natural Gas Production, Second Quarter of 2023

In overall, the production of Crude oil & condensate and Natural gas posted a decline in the second quarter of 2023. The Crude oil and condensate dropped 3.3 per cent (Q1 2023: 1.5%) year-on-year with the production value of 45.5 million barrels. This was influenced by the decline in crude oil production to negative 7.9 per cent (Q1 2023: -5.5%), while the production of condensate grew at slower pace of 11.3 per cent in the second quarter of this year as against 27.0 per cent in the previous quarter.

Crude oil was the largest contributor with 72.6 per cent share or equivalent to 33.1 million barrels, while condensate contributed 27.4 per cent or 12.5 million barrels in the second quarter of 2023 (**Chart 3**).

Chart 3 Performance of Crude Oil and Condensate Production, Q1 2021 - Q2 2023

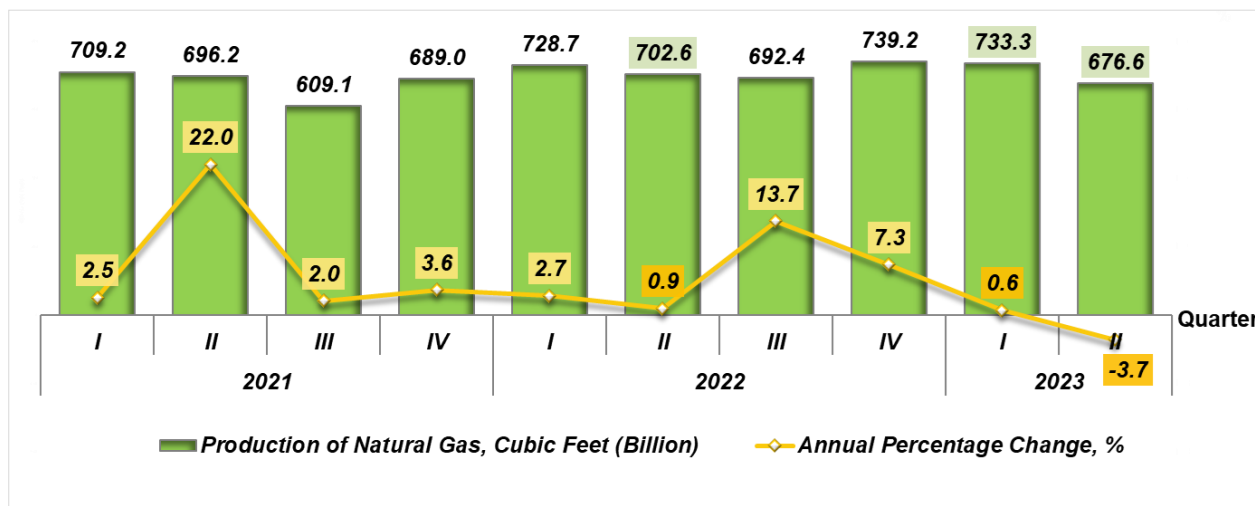


Note: Calculation by DOSM using the statistics from PETRONAS and MTJA



Meanwhile, the production of Natural gas amounting to 676.6 billion cubic feet shrank to 3.7 per cent in the second quarter of 2023 (Q1 2023: 733.3 billion cubic feet, 0.6%). The production value was decreased by 56.7 billion cubic feet as compared with the previous quarter as in **Chart 4**.

Chart 4 Performance of Natural Gas Production, Q1 2021 - Q2 2023

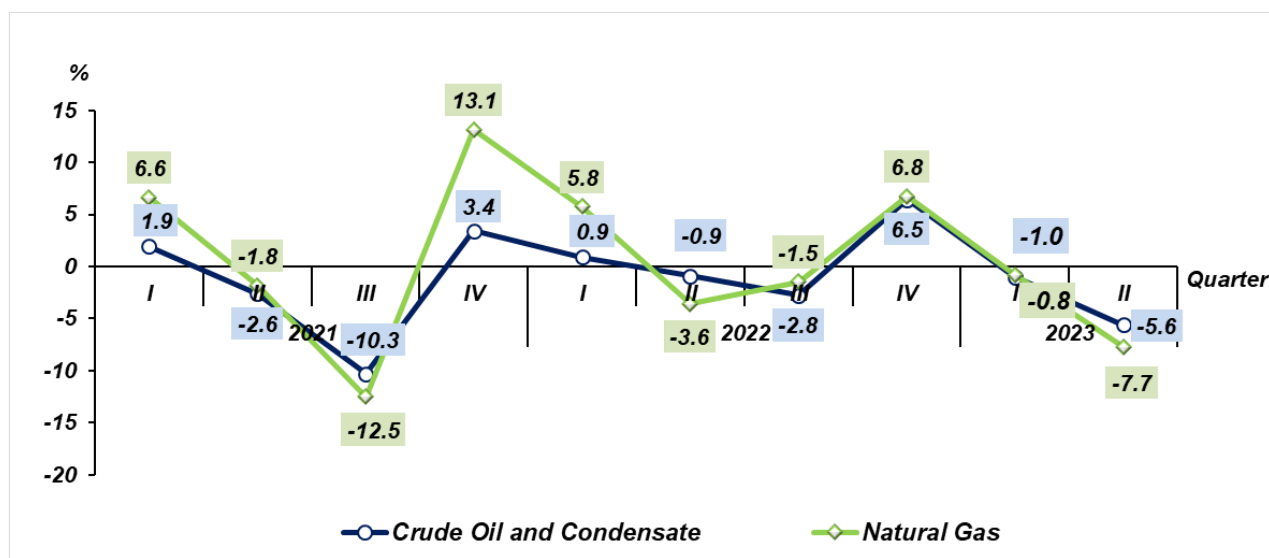


Note: Calculation by DOSM using the statistics from PETRONAS and MTJA

In comparison with the previous quarter, the production of Crude oil and condensate remained a negative trend of 5.6 per cent as compared to negative 1.0 per cent in the first quarter of 2023 influenced by the deterioration of Crude oil and condensate production during the quarter.

Similarly, Natural gas also posted a decline of 7.7 per cent as compared to negative 0.8 per cent recorded in the previous quarter as displayed in **Chart 5**.

Chart 5 Production of Crude Oil & Condensate and Natural Gas, Q1 2021 - Q2 2023 - Percentage Change from the Preceding Quarter



Note: Calculation by DOSM using the statistics from PETRONAS and MTJA

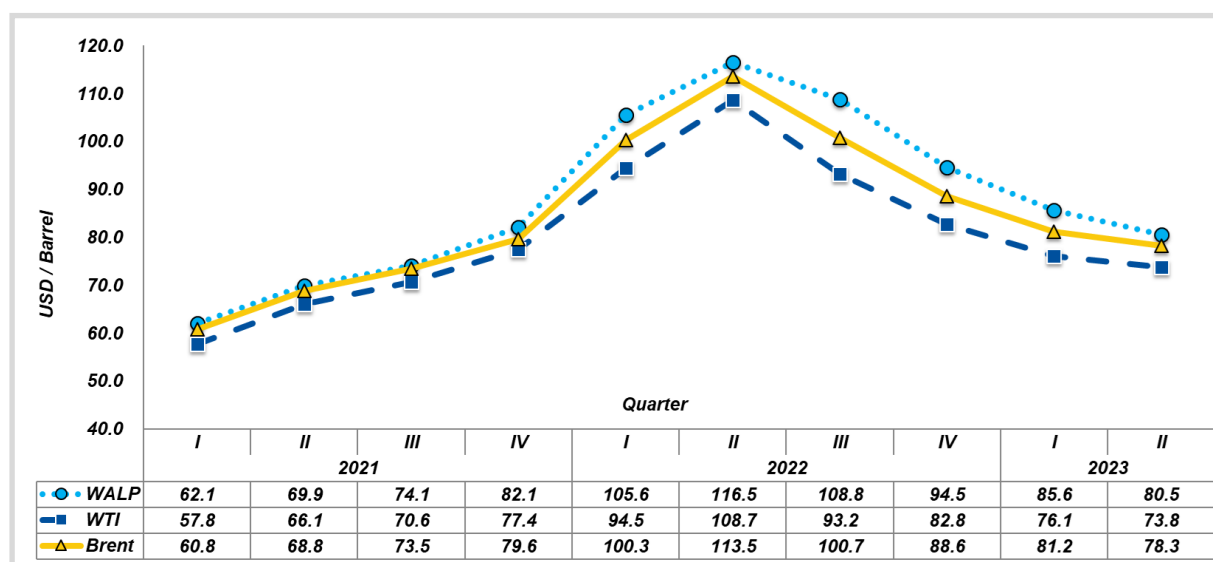


4. Prices of Crude Oil and Condensate

West Texas Intermediate (WTI) and Brent are used to evaluate the performance of Crude oil and condensate in the global market. Meanwhile, the Weighted Average Lifting Price (WALP) is a gazetted price and used in Malaysia. WTI refers to crude oil produced in the United States, particularly in the Texas region, while Brent refers to crude oil produced in several oil fields in the North Sea, primarily in offshore waters of the United Kingdom.

The price of Crude oil and condensate has been showing a declining trend for the fourth quarter, after recording USD116.5 per barrel in the second quarter of 2022. In the second quarter of 2023, WALP of Crude oil and condensate was USD80.5 per barrel, lower than USD85.6 per barrel recorded in the previous quarter as shown in **Chart 6**. Additionally, the price per barrel of WTI recorded USD73.8 and Brent USD78.3 in this quarter.

Chart 6 Prices of Crude Oil and Condensate, Q1 2021 - Q2 2023



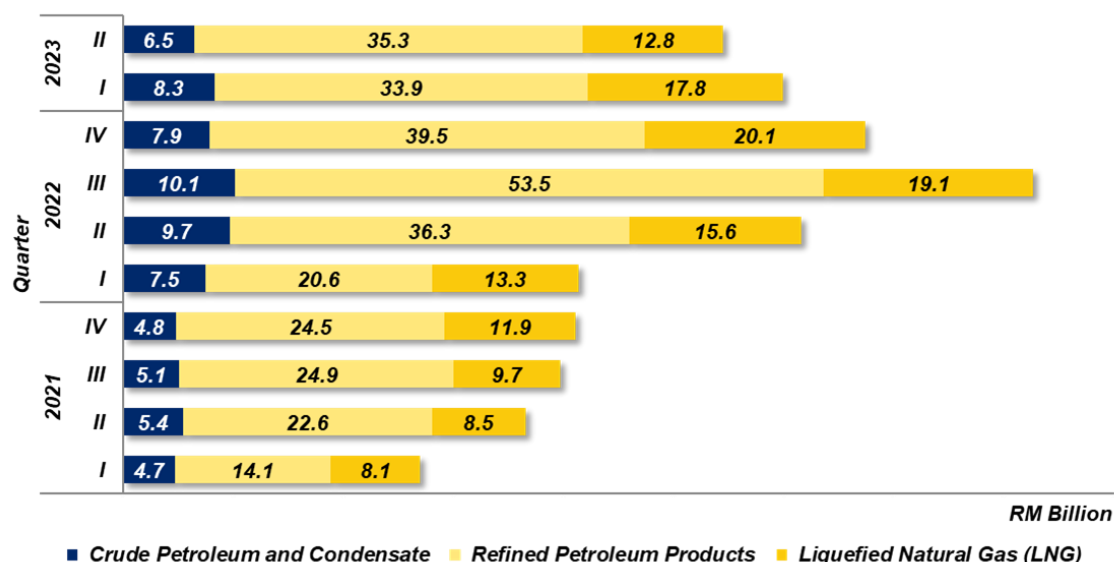
Source: PETRONAS and EIA



5. Exports for Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG)

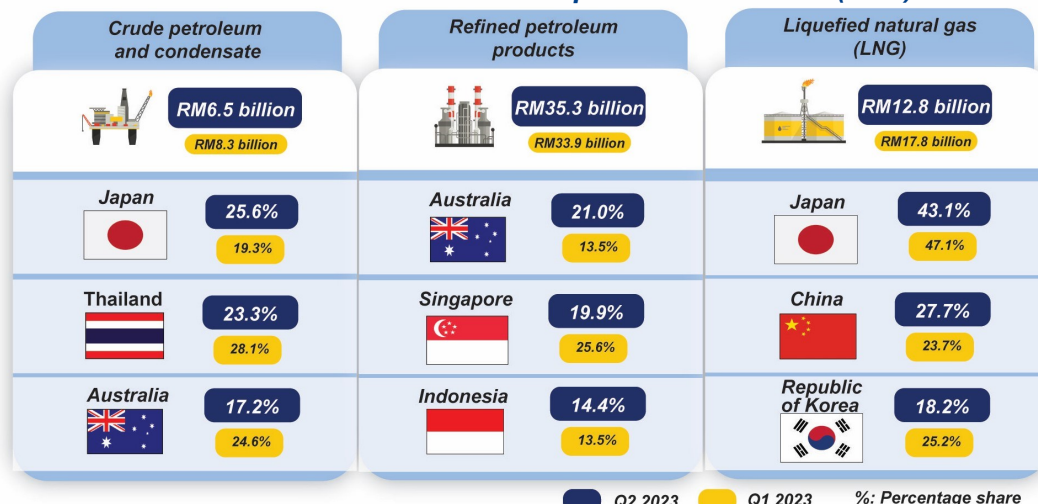
The export value of Crude petroleum and condensate decreased to RM6.5 billion in the second quarter of 2023 as compared to RM8.3 billion in the previous quarter. Meanwhile, the export value for Refined petroleum products increased to RM35.3 billion (Q1 2023: RM33.9 billion) while the LNG recorded a lower export value with RM12.8 billion as compared to RM17.8 billion in the first quarter of 2023 (**Chart 7**).

Chart 7 Exports of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG), Q1 2021 - Q2 2023



Japan was the major destination of exports for Crude petroleum and condensate in this quarter with RM1.7 billion or encompassing 25.6 per cent, followed by Thailand (23.3%) and Australia (17.2%). Meanwhile, a total of RM7.4 billion or accounted for 21.0 per cent of Refined petroleum products was exported to Australia in the second quarter of 2023. This was followed by Singapore and Indonesia with a contribution of 19.9 per cent and 14.4 per cent respectively. Whereas, Japan was the major destination of LNG with an export value of RM5.5 billion (43.1%) in the second quarter of 2023, followed by China (27.7%) and the Republic of Korea (18.2%) as shown in **Exhibit 1**.

Exhibit 1 Exports by Major Country of Destination - Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG)

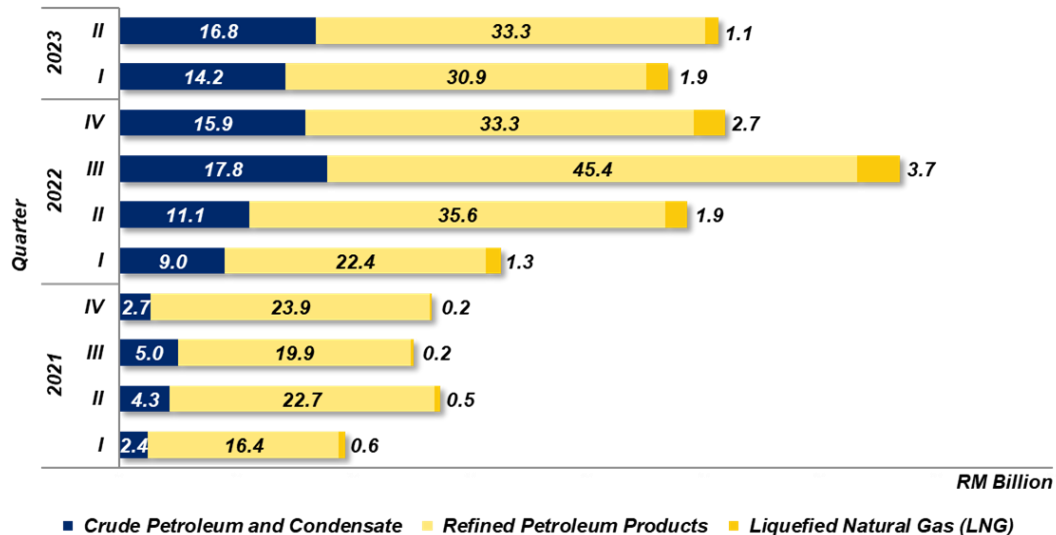




6. Imports for Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG)

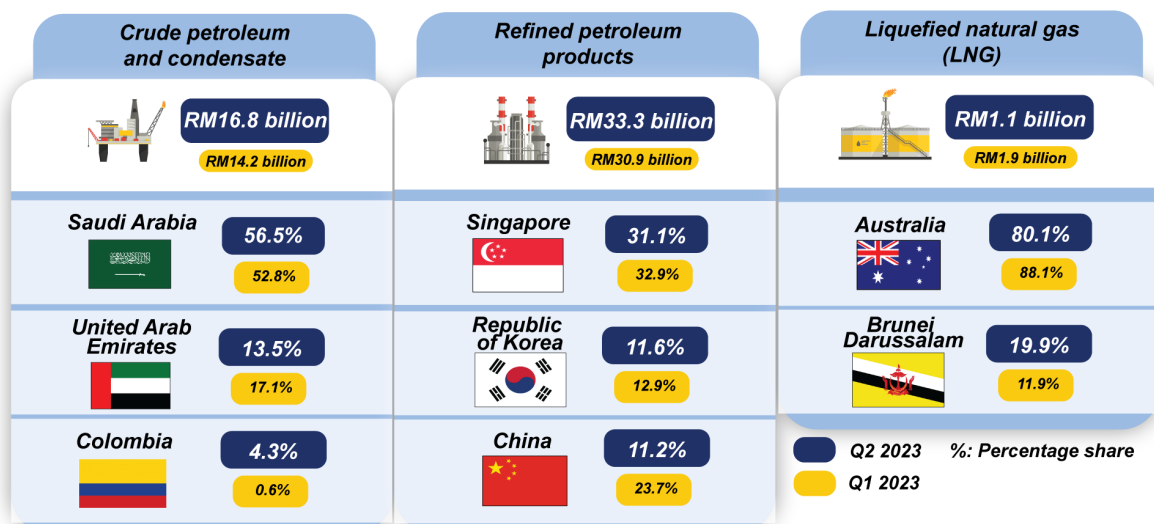
The import value of Crude petroleum and condensate rose by RM16.8 billion as compared to RM14.2 billion recorded in the previous quarter. The imports of Refined petroleum products also posted an increase to RM33.3 billion in this quarter (Q1 2023: RM30.9 billion). In the meantime, the LNG recorded the import value of RM1.1 billion, lower than RM1.9 billion in the first quarter of 2023 (**Chart 8**).

Chart 8 Imports of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG), Q1 2021 - Q2 2023



The imports of Crude petroleum and condensate from Saudi Arabia contributed 56.5 per cent with a value of RM9.5 billion. This was followed by the United Arab Emirates (13.5%) and Colombia (4.3%). As for the imports of Refined petroleum products, Singapore contributed the highest value of RM10.4 billion (31.1%), followed by the Republic of Korea (11.6%) and China (11.2%). Furthermore, the highest imports of LNG were from Australia, which amounted to RM0.9 billion or 80.1 per cent, followed by Brunei Darussalam (19.9%) as in **Exhibit 2**.

Exhibit 2 Imports by Major Country of Origin - Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG)

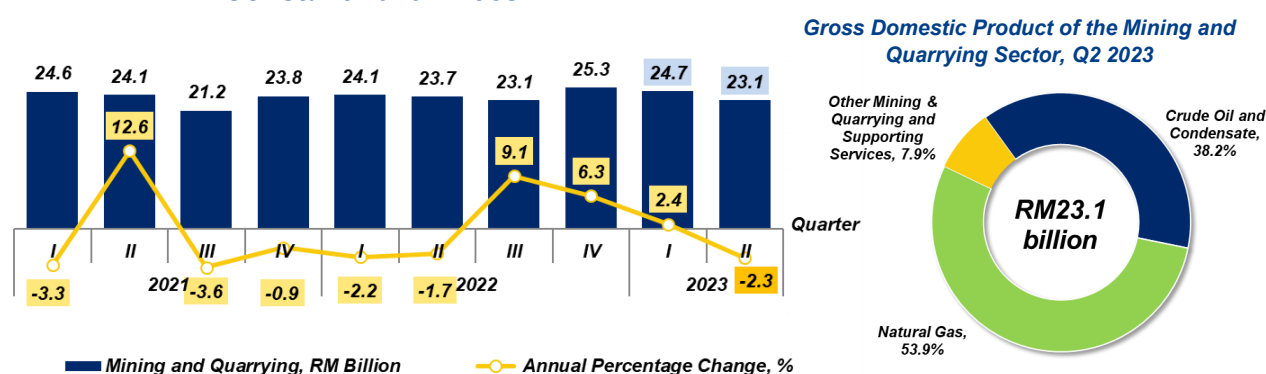




7. Gross Domestic Product of the Mining and Quarrying Sector at Constant 2015 Prices

The annual growth of Gross Domestic Product (GDP) for the Mining and quarrying sector contracted to 2.3 per cent in the second quarter of 2023 after registering 2.4 per cent in the previous quarter as shown in **Chart 9**. The Natural gas subsector which consistently contributed over 50 per cent to Mining and quarrying sector with a share of 53.9 per cent in this quarter, followed by Crude oil and condensate at 38.2 per cent.

Chart 9 Gross Domestic Product of the Mining and Quarrying Sector at Constant 2015 Prices



BAHAGIAN *PART*

2



JADUAL STATISTIK *STATISTICAL TABLES*

1a **Pengeluaran Minyak Mentah & Kondensat dan Gas Asli - Tahunan**
Production of Crude Oil & Condensate and Natural Gas - Annually

Keterangan Description		2015	2016	2017	2018	2019	2020	2021 ^r	2022 ^p
(A) Pengeluaran <i>Production</i>									
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>	Juta Tong <i>Million Barrels</i>	247.1	250.1	246.1	244.0	228.6	208.5	195.4	189.1
Minyak Mentah <i>Crude Oil</i>	Juta Tong <i>Million Barrels</i>	202.8	205.4	202.4	197.4	182.8	167.4	152.2	144.9
Kondensat <i>Condensate</i>	Juta Tong <i>Million Barrels</i>	44.3	44.7	43.7	46.6	45.8	41.1	43.2	44.2
Gas Asli <i>Natural Gas</i>	BCF	2,643.5	2,735.7	2,796.5	2,692.9	2,772.4	2,525.0	2,703.5	2,862.9
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>									
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		10.0	1.2	-1.6	-0.9	-6.3	-8.8	-6.3	-3.3
Minyak Mentah <i>Crude Oil</i>		12.4	1.3	-1.5	-2.4	-7.4	-8.4	-9.1	-4.8
Kondensat <i>Condensate</i>		0.2	0.9	-2.2	6.5	-1.7	-10.2	5.2	2.2
Gas Asli <i>Natural Gas</i>		-0.9	3.5	2.2	-3.7	3.0	-8.9	7.1	5.9
(C) Peratusan Sumbangan <i>Percentage Share</i>									
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Minyak Mentah <i>Crude Oil</i>		82.1	82.1	82.2	80.9	80.0	80.3	77.9	76.6
Kondensat <i>Condensate</i>		17.9	17.9	17.8	19.1	20.0	19.7	22.1	23.4
Gas Asli <i>Natural Gas</i>		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Nota / Notes :

Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA
Calculation by DOSM using the statistics from PETRONAS and MTJA

^p **Awalan / Preliminary**

^r **Disemak / Revised**

Pengeluaran Minyak Mentah & Kondensat dan Gas Asli - Suku Tahunan

Production of Crude Oil & Condensate and Natural Gas - Quarterly

Keterangan Description		2015				2016				2017			
		I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Pengeluaran Production													
Minyak Mentah dan Kondensat Crude Oil and Condensate	Juta Tong Million Barrels	65.6	61.7	57.9	61.9	63.3	62.2	61.8	62.9	63.2	60.2	60.5	62.2
Minyak Mentah Crude Oil	Juta Tong Million Barrels	54.0	51.1	47.2	50.5	52.1	51.0	51.1	51.3	51.5	49.7	50.0	51.3
Kondensat Condensate	Juta Tong Million Barrels	11.5	10.6	10.8	11.4	11.2	11.2	10.7	11.6	11.8	10.5	10.4	11.0
Gas Asli Natural Gas	BCF	671.8	648.3	647.1	676.3	686.1	673.0	639.5	737.0	707.5	672.8	678.9	737.3
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year													
Minyak Mentah dan Kondensat Crude Oil and Condensate		22.2	12.3	6.7	0.1	-3.4	0.7	6.6	1.6	-0.1	-3.2	-2.2	-1.0
Minyak Mentah Crude Oil		27.3	16.0	8.4	0.1	-3.6	-0.2	8.3	1.5	-1.2	-2.6	-2.1	0.0
Kondensat Condensate		2.9	-2.5	-0.1	0.3	-2.5	5.1	-0.5	1.9	4.7	-5.8	-2.5	-5.3
Gas Asli Natural Gas		-1.7	-1.4	3.0	-3.3	2.1	3.8	-1.2	9.0	3.1	0.0	6.2	0.0
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter													
Minyak Mentah dan Kondensat Crude Oil and Condensate		6.1	-5.9	-6.1	6.8	2.3	-1.8	-0.6	1.7	0.6	-4.8	0.4	2.9
Minyak Mentah Crude Oil		7.1	-5.5	-7.6	7.1	3.1	-2.0	0.2	0.4	0.3	-3.5	0.7	2.5
Kondensat Condensate		1.8	-7.8	1.2	5.6	-1.1	-0.5	-4.3	8.2	1.6	-10.5	-0.9	5.1
Gas Asli Natural Gas		-4.0	-3.5	-0.2	4.5	1.5	-1.9	-5.0	15.2	-4.0	-4.9	0.9	8.6
(D) Peratusan Sumbangan Percentage Share													
Minyak Mentah dan Kondensat Crude Oil and Condensate		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
Minyak Mentah Crude Oil		82.4	82.8	81.4	81.6	82.2	82.0	82.7	81.6	81.4	82.5	82.7	82.4
Kondensat Condensate		17.6	17.2	18.6	18.4	17.8	18.0	17.3	18.4	18.6	17.5	17.3	17.6
Gas Asli Natural Gas		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Nota / Notes :

Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA
Calculation by DOSM using the statistics from PETRONAS and MTJA

^r Disemak / Revised

2018				2019				2020				2021 ^f			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
62.8	61.2	58.7	61.3	60.4	58.8	51.2	58.2	58.8	48.2	50.4	51.1	52.1	50.7	45.5	47.1
51.1	49.1	47.9	49.3	48.3	46.8	40.5	47.2	47.2	38.8	40.7	40.7	40.2	39.6	35.8	36.6
11.7	12.1	10.7	12.0	12.1	12.0	10.7	11.0	11.6	9.4	9.7	10.5	11.9	11.2	9.7	10.5
680.9	650.7	622.1	739.2	703.5	694.7	644.8	729.4	691.9	570.9	597.1	665.1	709.2	696.2	609.1	689.0
-0.6	1.7	-3.0	-1.5	-3.9	-4.0	-12.7	-5.1	-2.6	-18.0	-1.6	-12.2	-11.4	5.2	-9.7	-7.9
-0.7	-1.1	-4.2	-3.8	-5.4	-4.7	-15.5	-4.3	-2.3	-17.0	0.5	-13.9	-14.9	1.9	-12.1	-9.9
-0.4	14.9	2.8	9.5	2.8	-1.1	0.1	-8.3	-3.9	-21.7	-9.7	-5.1	2.7	18.9	0.3	0.1
-3.8	-3.3	-8.4	0.3	3.3	6.8	3.7	-1.3	-1.6	-17.8	-7.4	-8.8	2.5	22.0	2.0	3.6
0.9	-2.5	-4.2	4.5	-1.5	-2.6	-12.8	13.6	1.0	-18.0	4.5	1.4	1.9	-2.6	-10.3	3.4
-0.3	-3.8	-2.4	2.8	-2.0	-3.1	-13.5	16.6	0.0	-17.8	4.8	-0.1	-1.1	-1.5	-9.6	2.3
6.9	3.2	-11.4	12.0	0.3	-0.7	-10.4	2.6	5.2	-19.0	3.3	7.9	13.8	-6.3	-12.8	7.7
-7.7	-4.4	-4.4	18.8	-4.8	-1.3	-7.2	13.1	-5.1	-17.5	4.6	11.4	6.6	-1.8	-12.5	13.1
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
81.3	80.2	81.7	80.4	80.0	79.6	79.0	81.1	80.3	80.5	80.8	79.5	77.2	78.0	78.6	77.8
18.7	19.8	18.3	19.6	20.0	20.4	21.0	18.9	19.7	19.5	19.2	20.5	22.8	22.0	21.4	22.2
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Pengeluaran Minyak Mentah & Kondensat dan Gas Asli - Suku Tahunan

Production of Crude Oil & Condensate and Natural Gas - Quarterly

Keterangan Description		2022 ^P				2023	
		I	II	III	IV	I	II
(A) Pengeluaran Production							
Minyak Mentah dan Kondensat Crude Oil and Condensate	Juta Tong Million Barrels	47.5	47.1	45.8	48.7	48.2	45.5
Minyak Mentah Crude Oil	Juta Tong Million Barrels	37.3	35.9	34.7	37.0	35.3	33.1
Kondensat Condensate	Juta Tong Million Barrels	10.2	11.2	11.0	11.7	13.0	12.5
Gas Asli Natural Gas	BCF	728.7	702.6	692.4	739.2	733.3	676.6
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year							
Minyak Mentah dan Kondensat Crude Oil and Condensate		-8.8	-7.2	0.6	3.5	1.5	-3.3
Minyak Mentah Crude Oil		-7.2	-9.4	-3.0	1.0	-5.5	-7.9
Kondensat Condensate		-14.2	0.5	13.5	12.1	27.0	11.3
Gas Asli Natural Gas		2.7	0.9	13.7	7.3	0.6	-3.7
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter							
Minyak Mentah dan Kondensat Crude Oil and Condensate		0.9	-0.9	-2.8	6.5	-1.0	-5.6
Minyak Mentah Crude Oil		1.9	-3.8	-3.2	6.5	-4.7	-6.3
Kondensat Condensate		-2.5	9.7	-1.5	6.4	10.4	-3.8
Gas Asli Natural Gas		5.8	-3.6	-1.5	6.8	-0.8	-7.7
(D) Peratusan Sumbangan Percentage Share							
Minyak Mentah dan Kondensat Crude Oil and Condensate		100.0	100.0	100.0	100.0	100.0	100.0
Minyak Mentah Crude Oil		78.5	76.2	75.9	75.9	73.1	72.6
Kondensat Condensate		21.5	23.8	24.1	24.1	26.9	27.4
Gas Asli Natural Gas		100.0	100.0	100.0	100.0	100.0	100.0

Nota / Notes :

Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA
Calculation by DOSM using the statistics from PETRONAS and MTJA

^P Awalan / Preliminary

2a Harga Minyak dan Gas - Tahunan

Price of Oil and Gas - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021	2022
(A) Harga (US Dollar) Price (US Dollar)								
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	54.5	45.9	56.6	73.6	68.0	43.4	71.8	106.2
Cushing, OK WTI Spot Price FOB [Products in Dollars per Gallon]	48.7	43.3	50.8	65.2	57.0	39.2	68.1	94.9
Europe Brent Spot Price FOB [Products in Dollars per Gallon]	52.3	43.6	54.1	71.3	64.3	42.0	70.9	100.9
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	2.6	2.5	3.0	3.2	2.6	2.0	3.9	6.5
(B) Perubahan Peratusan Tahunan Annual Percentage Change								
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	-46.7	-15.9	23.5	29.9	-7.6	-36.1	65.4	47.8
Cushing, OK WTI Spot Price FOB [Products in Dollars per Gallon]	-47.8	-11.0	17.3	28.4	-12.6	-31.3	74.0	39.3
Europe Brent Spot Price FOB [Products in Dollars per Gallon]	-47.1	-16.6	24.0	31.8	-9.9	-34.7	68.9	42.4
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	-40.0	-3.8	18.7	5.4	-18.8	-20.7	91.6	65.8

Sumber / Sources : Energy Information Association (EIA) & PETRONAS

2b Harga Minyak dan Gas - Suku Tahunan

Price of Oil and Gas - Quarterly

Keterangan Description	2015				2016				2017			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Harga (US Dollar) Price (US Dollar)												
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	55.2	64.3	53.0	45.3	36.7	47.4	47.3	51.6	56.6	51.8	53.8	64.4
Cushing, OK WTI Spot Price FOB [Products in Dollars per Gallon]	48.5	57.8	46.4	42.0	33.2	45.4	44.9	49.1	51.8	48.2	48.2	55.4
Europe Brent Spot Price FOB [Products in Dollars per Gallon]	53.9	61.7	50.2	43.6	33.7	45.5	45.8	49.2	53.7	49.7	52.1	61.5
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	2.9	2.7	2.8	2.1	2.0	2.1	2.9	3.0	3.0	3.1	3.0	2.9
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year												
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	-51.2	-43.0	-49.5	-42.7	-33.5	-26.4	-10.8	13.9	54.1	9.3	13.8	24.9
Cushing, OK WTI Spot Price FOB [Products in Dollars per Gallon]	-50.8	-44.0	-52.5	-42.7	-31.6	-21.5	-3.4	17.1	56.0	6.2	7.4	12.7
Europe Brent Spot Price FOB [Products in Dollars per Gallon]	-50.2	-43.8	-50.7	-43.0	-37.5	-26.2	-8.9	12.9	59.3	9.1	13.8	25.1
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	-44.3	-40.4	-30.4	-44.1	-31.0	-22.0	4.4	43.4	50.5	43.5	2.7	-4.5
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter												
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	-30.1	16.5	-17.6	-14.5	-18.9	29.0	-0.2	9.1	9.6	-8.5	4.0	19.7
Cushing, OK WTI Spot Price FOB [Products in Dollars per Gallon]	-33.7	19.2	-19.8	-9.6	-20.9	36.8	-1.2	9.6	5.4	-6.8	-0.2	15.0
Europe Brent Spot Price FOB [Products in Dollars per Gallon]	-29.4	14.4	-18.6	-13.3	-22.7	35.1	0.6	7.4	9.2	-7.5	4.9	18.1
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	-23.6	-5.2	0.4	-23.1	-5.7	7.2	34.2	5.7	-1.0	2.2	-4.0	-1.7

Sumber / Sources : Energy Information Association (EIA) & PETRONAS

2018				2019				2020				2021			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
69.9	76.8	77.5	70.5	66.1	71.9	65.1	68.5	55.7	27.9	44.2	43.4	62.1	69.9	74.1	82.1
62.9	68.0	69.8	59.1	54.8	59.8	56.4	57.0	45.8	27.8	40.9	42.5	57.8	66.1	70.6	77.4
66.8	74.5	75.2	67.7	63.2	68.9	61.9	63.4	50.4	29.3	43.0	44.3	60.8	68.8	73.5	79.6
3.1	2.9	2.9	3.8	2.9	2.6	2.4	2.4	1.9	1.7	2.0	2.5	3.6	2.9	4.4	4.8
23.5	48.2	44.0	9.3	-5.5	-6.4	-16.0	-2.8	-15.6	-61.1	-32.1	-36.6	11.4	149.9	67.7	89.4
21.5	41.0	44.8	6.7	-12.8	-12.1	-19.2	-3.6	-16.5	-53.5	-27.5	-25.5	26.3	137.7	72.7	82.4
24.5	50.0	44.4	10.0	-5.4	-7.5	-17.7	-6.4	-20.2	-57.4	-30.6	-30.2	20.6	134.6	71.0	79.7
2.2	-7.2	-0.8	31.0	-5.2	-10.3	-18.7	-36.9	-34.6	-33.4	-16.2	5.4	86.7	72.5	118.2	88.7
8.4	9.9	1.0	-9.1	-6.2	8.8	-9.4	5.1	-18.6	-49.9	58.2	-1.9	43.2	12.5	6.1	10.8
13.6	8.2	2.5	-15.3	-7.2	9.0	-5.7	1.0	-19.7	-39.2	47.1	3.8	36.1	14.4	6.8	9.7
8.6	11.5	1.0	-10.0	-6.7	9.1	-10.1	2.4	-20.5	-41.8	46.4	3.1	37.3	13.2	6.8	8.3
6.0	-7.2	2.6	29.8	-23.3	-12.1	-7.0	0.7	-20.6	-10.5	17.0	26.7	40.7	-17.3	48.0	9.6

Keterangan Description	2022				2023	
	I	II	III	IV	I	II
(A) Harga (US Dollar) Price (US Dollar)						
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	105.6	116.5	108.8	94.5	85.6	80.5
Cushing, OK WTI Spot Price FOB [Products in Dollars per Gallon]	94.5	108.7	93.2	82.8	76.1	73.8
Europe Brent Spot Price FOB [Products in Dollars per Gallon]	100.3	113.5	100.7	88.6	81.2	78.3
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	4.7	7.5	8.0	5.5	2.7	2.2
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year						
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	70.1	66.7	46.7	15.1	-18.9	-30.9
Cushing, OK WTI Spot Price FOB [Products in Dollars per Gallon]	63.4	64.5	31.9	6.9	-19.5	-32.2
Europe Brent Spot Price FOB [Products in Dollars per Gallon]	64.9	65.0	37.1	11.3	-19.1	-31.0
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	30.8	154.1	83.3	16.2	-43.0	-71.1
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter						
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	28.6	10.3	-6.6	-13.1	-9.4	-6.0
Cushing, OK WTI Spot Price FOB [Products in Dollars per Gallon]	22.0	15.1	-14.3	-11.2	-8.1	-3.0
Europe Brent Spot Price FOB [Products in Dollars per Gallon]	26.0	13.2	-11.3	-12.1	-8.3	-3.5
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	-2.4	60.6	6.8	-30.6	-52.2	-18.5

Sumber / Sources : Energy Information Association (EIA) & PETRONAS

3a Pengeluaran Produk Petroleum Bertapis - Tahunan

Production of Refined Petroleum Products - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021	2022
(A) Pengeluaran ('000 Tan Metrik) <i>Production ('000 Metric Tonnes)</i>								
Gas Asli Cecair / Liquefied Natural Gas	25,421	26,203	27,107	28,161	28,672	26,576	29,012	31,283
Gas Petroleum Cecair / Liquefied Petroleum Gas	2,293	2,365	2,449	2,722	2,901	2,549	2,693	2,678
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	5,372	5,539	5,733	5,828	5,862	4,981	6,433	6,466
Minyak Bahan Api / Fuel Oil	2,642	2,720	2,815	2,802	2,701	2,089	2,119	1,990
Minyak Diesel / Gas / Diesel / Gas Oil	11,395	11,749	12,151	12,216	13,019	10,922	12,881	15,332
Minyak Pelincir Campuran / Blended Lubricating Oil	89	83	150	158	138	92	107	145
Minyak Tanah / Kerosene	3,706	3,817	3,947	4,123	4,236	3,695	4,168	3,158
Nafta / Naptha	3,787	3,904	4,045	4,266	4,336	3,754	3,901	3,259
Jumlah / Total	54,704	56,381	58,397	60,277	61,864	54,658	61,314	64,311
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>								
Gas Asli Cecair / Liquefied Natural Gas	-2.8	3.1	3.5	3.9	1.8	-7.3	9.2	7.8
Gas Petroleum Cecair / Liquefied Petroleum Gas	-3.8	3.1	3.5	11.2	6.6	-12.1	5.6	-0.6
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	1.2	3.1	3.5	1.7	0.6	-15.0	29.2	0.5
Minyak Bahan Api / Fuel Oil	-0.3	3.0	3.5	-0.5	-3.6	-22.7	1.4	-6.1
Minyak Diesel / Gas / Diesel / Gas Oil	2.9	3.1	3.4	0.5	6.6	-16.1	17.9	19.0
Minyak Pelincir Campuran / Blended Lubricating Oil	-42.9	-7.0	80.7	5.4	-12.4	-33.3	15.4	35.7
Minyak Tanah / Kerosene	6.3	3.0	3.4	4.5	2.7	-12.8	12.8	-24.2
Nafta / Naptha	6.4	3.1	3.6	5.5	1.6	-13.4	3.9	-16.5
Jumlah / Total	-0.1	3.1	3.6	3.2	2.6	-11.6	12.2	4.9
(C) Peratusan Sumbangan <i>Percentage Share</i>								
Gas Asli Cecair / Liquefied Natural Gas	46.5	46.5	46.4	46.7	46.3	48.6	47.3	48.6
Gas Petroleum Cecair / Liquefied Petroleum Gas	4.2	4.2	4.2	4.5	4.7	4.7	4.4	4.2
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	9.8	9.8	9.8	9.7	9.5	9.1	10.5	10.1
Minyak Bahan Api / Fuel Oil	4.8	4.8	4.8	4.6	4.4	3.8	3.5	3.1
Minyak Diesel / Gas / Diesel / Gas Oil	20.8	20.8	20.8	20.3	21.0	20.0	21.0	23.8
Minyak Pelincir Campuran / Blended Lubricating Oil	0.2	0.1	0.3	0.3	0.2	0.2	0.2	0.2
Minyak Tanah / Kerosene	6.8	6.8	6.8	6.8	6.8	6.8	6.8	4.9
Nafta / Naptha	6.9	6.9	6.9	7.1	7.0	6.9	6.4	5.1
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Perangkaan Pembuatan Bulanan
Source : Monthly Manufacturing Statistics

Keterangan Description	2015				2016				2017			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Pengeluaran ('000 Tan Metrik) <i>Production ('000 Metric Tonnes)</i>												
Gas Asli Cecair / Liquefied Natural Gas	6,745	6,086	5,841	6,749	6,825	6,389	6,026	6,962	6,992	6,503	6,382	7,231
Gas Petroleum Cecair / Liquefied Petroleum Gas	559	574	581	579	565	603	599	598	579	614	635	621
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	1,404	1,383	1,273	1,312	1,421	1,452	1,312	1,354	1,456	1,478	1,392	1,406
Minyak Bahan Api / Fuel Oil	737	565	613	727	745	593	632	749	764	603	671	776
Minyak Diesel / Gas / Diesel / Gas Oil	2,944	2,946	2,683	2,823	2,980	3,093	2,767	2,910	3,054	3,148	2,935	3,015
Minyak Pelincir Campuran / Blended Lubricating Oil	25	21	25	19	19	21	21	22	39	38	38	34
Minyak Tanah / Kerosene	993	945	925	842	1,005	992	953	867	1,029	1,010	1,013	895
Nafta / Naptha	945	902	968	971	957	947	998	1,001	981	964	1,061	1,039
Jumlah / Total	14,352	13,423	12,908	14,022	14,519	14,091	13,308	14,463	14,894	14,357	14,128	15,018
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>												
Gas Asli Cecair / Liquefied Natural Gas	1.7	-6.8	-2.5	-3.4	1.2	5.0	3.2	3.2	2.4	1.8	5.9	3.9
Gas Petroleum Cecair / Liquefied Petroleum Gas	-15.4	2.2	2.2	-2.4	1.2	5.0	3.1	3.2	2.5	1.8	6.0	3.9
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	8.7	-0.3	-1.2	-2.2	1.3	5.0	3.1	3.2	2.5	1.8	6.1	3.9
Minyak Bahan Api / Fuel Oil	-21.4	89.4	-2.5	-7.5	1.2	5.0	3.1	3.1	2.5	1.8	6.2	3.6
Minyak Diesel / Gas / Diesel / Gas Oil	12.8	1.6	-2.1	0.0	1.2	5.0	3.1	3.1	2.5	1.8	6.1	3.6
Minyak Pelincir Campuran / Blended Lubricating Oil	-32.9	-48.4	-38.7	-51.5	-25.1	1.3	-16.5	20.6	112.6	78.1	83.5	54.0
Minyak Tanah / Kerosene	15.0	13.3	9.4	-10.7	1.2	5.0	3.1	2.9	2.4	1.8	6.3	3.2
Nafta / Naptha	-1.9	3.0	15.4	10.3	1.3	5.0	3.1	3.1	2.5	1.8	6.3	3.7
Jumlah / Total	2.5	-0.1	-0.3	-2.6	1.2	5.0	3.1	3.2	2.6	1.9	6.2	3.8
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>												
Gas Asli Cecair / Liquefied Natural Gas	-3.5	-9.8	-4.0	15.5	1.1	-6.4	-5.7	15.5	0.4	-7.0	-1.9	13.3
Gas Petroleum Cecair / Liquefied Petroleum Gas	-5.9	2.8	1.1	-0.2	-2.4	6.7	-0.7	-0.2	-3.1	5.9	3.5	-2.1
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	4.6	-1.5	-8.0	3.1	8.3	2.2	-9.6	3.1	7.6	1.5	-5.8	1.0
Minyak Bahan Api / Fuel Oil	-6.2	-23.4	8.6	18.6	2.6	-20.5	6.6	18.5	1.9	-21.0	11.3	15.6
Minyak Diesel / Gas / Diesel / Gas Oil	4.3	0.1	-8.9	5.2	5.6	3.8	-10.6	5.2	4.9	3.1	-6.8	2.7
Minyak Pelincir Campuran / Blended Lubricating Oil	-35.2	-15.9	20.4	-26.1	0.1	13.8	-0.7	6.6	76.5	-4.7	2.3	-10.5
Minyak Tanah / Kerosene	5.3	-4.9	-2.2	-8.9	19.3	-1.3	-4.0	-9.0	18.7	-1.9	0.3	-11.6
Nafta / Naptha	7.4	-4.6	7.3	0.3	-1.4	-1.0	5.3	0.3	-2.0	-1.7	10.1	-2.1
Jumlah / Total	-0.3	-6.5	-3.8	8.6	3.5	-2.9	-5.6	8.7	3.0	-3.6	-1.6	6.3
(D) Peratusan Sumbangan <i>Percentage Share</i>												
Gas Asli Cecair / Liquefied Natural Gas	47.0	45.3	45.2	48.1	47.0	45.3	45.3	48.1	46.9	45.3	45.2	48.1
Gas Petroleum Cecair / Liquefied Petroleum Gas	3.9	4.3	4.5	4.1	3.9	4.3	4.5	4.1	3.9	4.3	4.5	4.1
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	9.8	10.3	9.9	9.4	9.8	10.3	9.9	9.4	9.8	10.3	9.9	9.4
Minyak Bahan Api / Fuel Oil	5.1	4.2	4.7	5.2	5.1	4.2	4.7	5.2	5.1	4.2	4.8	5.2
Minyak Diesel / Gas / Diesel / Gas Oil	20.5	21.9	20.8	20.1	20.5	21.9	20.8	20.1	20.5	21.9	20.8	20.1
Minyak Pelincir Campuran / Blended Lubricating Oil	0.2	0.2	0.2	0.1	0.1	0.1	0.2	0.2	0.3	0.3	0.3	0.2
Minyak Tanah / Kerosene	6.9	7.0	7.2	6.0	6.9	7.0	7.2	6.0	6.9	7.0	7.2	6.0
Nafta / Naptha	6.6	6.7	7.5	6.9	6.6	6.7	7.5	6.9	6.6	6.7	7.5	6.9
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Perangkaan Pembuatan Bulanan

Source : Monthly Manufacturing Statistics

2018				2019				2020				2021			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
7,286	6,732	6,566	7,577	7,620	6,847	6,670	7,535	7,528	5,156	6,522	7,370	7,637	6,904	7,202	7,269
673	649	677	723	673	725	704	798	734	522	645	649	657	650	658	728
1,460	1,521	1,407	1,440	1,438	1,453	1,483	1,487	1,579	847	1,200	1,355	1,473	1,541	1,760	1,660
825	552	682	743	776	545	670	711	826	361	432	470	523	509	574	512
3,161	3,082	2,973	3,000	3,230	3,332	3,201	3,255	3,575	1,896	2,679	2,772	2,975	2,682	3,632	3,593
35	38	43	42	37	32	38	32	25	17	27	24	19	24	34	30
1,086	1,011	1,012	1,014	1,067	1,040	1,062	1,066	1,161	746	866	922	927	1,034	1,097	1,110
1,048	1,053	1,078	1,087	1,016	1,066	1,105	1,149	1,165	851	803	935	1,024	965	968	945
15,573	14,638	14,439	15,627	15,857	15,041	14,934	16,032	16,594	10,394	13,173	14,497	15,235	14,309	15,925	15,846
4.2	3.5	2.9	4.8	4.6	1.7	1.6	-0.6	-1.2	-24.7	-2.2	-2.2	1.4	33.9	10.4	-1.4
16.2	5.8	6.6	16.3	0.0	11.7	4.0	10.4	9.1	-28.1	-8.5	-18.7	-10.5	24.6	2.1	12.2
0.3	2.9	1.1	2.4	-1.5	-4.5	5.4	3.3	9.8	-41.7	-19.1	-8.9	-6.7	82.0	46.6	22.5
8.0	-8.5	1.5	-4.3	-6.0	-1.3	-1.6	-4.4	6.6	-33.8	-35.6	-33.9	-36.7	41.3	33.1	8.8
3.5	-2.1	1.3	-0.5	2.2	8.1	7.7	8.5	10.7	-43.1	-16.3	-14.8	-16.8	41.4	35.6	29.6
-10.2	0.2	10.6	23.3	3.8	-15.0	-11.5	-24.6	-32.9	-46.9	-29.6	-24.4	-23.7	39.4	28.4	24.0
5.5	0.1	-0.1	13.3	-1.7	2.9	4.9	5.2	8.9	-28.3	-18.5	-13.5	-20.2	38.6	26.7	20.4
6.8	9.3	1.6	4.7	-3.1	1.2	2.4	5.7	14.7	-20.2	-27.3	-18.6	-12.1	13.4	20.5	1.0
4.6	2.0	2.2	4.1	1.8	2.8	3.4	2.6	4.6	-30.9	-11.8	-9.6	-8.2	37.7	20.9	9.3
0.8	-7.6	-2.5	15.4	0.6	-10.1	-2.6	13.0	-0.1	-31.5	26.5	13.0	3.6	-9.6	4.3	0.9
8.3	-3.6	4.3	6.8	-6.9	7.7	-2.9	13.3	-8.0	-29.0	23.6	0.7	1.2	-1.0	1.2	10.7
3.9	4.2	-7.5	2.3	-0.1	1.1	2.0	0.3	6.2	-46.4	41.8	12.9	8.7	4.7	14.2	-5.7
6.2	-33.1	23.4	9.1	4.4	-29.7	23.0	6.0	16.3	-56.4	19.7	8.9	11.3	-2.7	12.7	-10.9
4.8	-2.5	-3.5	0.9	7.7	3.2	-3.9	1.7	9.8	-47.0	41.3	3.5	7.3	-9.8	35.4	-1.1
3.0	6.3	12.9	-0.3	-13.3	-12.9	17.6	-15.1	-22.9	-31.1	55.8	-8.7	-22.1	25.8	43.5	-11.8
21.3	-6.9	0.1	0.1	5.3	-2.5	2.2	0.3	9.0	-35.8	16.1	6.5	0.6	11.5	6.1	1.2
0.9	0.5	2.4	0.8	-6.6	5.0	3.6	4.0	1.4	-27.0	-5.6	16.4	9.5	-5.8	0.3	-2.4
3.7	-6.0	-1.4	8.2	1.5	-5.1	-0.7	7.4	3.5	-37.4	26.7	10.1	5.1	-6.1	11.3	-0.5
46.8	46.0	45.5	48.5	48.1	45.5	44.7	47.0	45.4	49.6	49.5	50.8	50.1	48.2	45.2	45.9
4.3	4.4	4.7	4.6	4.2	4.8	4.7	5.0	4.4	5.0	4.9	4.5	4.3	4.5	4.1	4.6
9.4	10.4	9.7	9.2	9.1	9.7	9.9	9.3	9.5	8.1	9.1	9.3	9.7	10.8	11.0	10.5
5.3	3.8	4.7	4.8	4.9	3.6	4.5	4.4	5.0	3.5	3.3	3.2	3.4	3.6	3.6	3.2
20.3	21.1	20.6	19.2	20.4	22.2	21.4	20.3	21.5	18.2	20.3	19.1	19.5	18.7	22.8	22.7
0.2	0.3	0.3	0.3	0.2	0.2	0.3	0.2	0.1	0.2	0.2	0.2	0.1	0.2	0.2	0.2
7.0	6.9	7.0	6.5	6.7	6.9	7.1	6.6	7.0	7.2	6.6	6.4	6.1	7.2	6.9	7.0
6.7	7.2	7.5	7.0	6.4	7.1	7.4	7.2	7.0	8.2	6.1	6.5	6.7	6.7	6.1	6.0
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Pengeluaran Produk Petroleum Bertapis - Suku Tahunan
Production of Refined Petroleum Products - Quarterly

Keterangan Description	2022				2023	
	I	II	III	IV	I	II
(A) Pengeluaran ('000 Tan Metrik) <i>Production ('000 Metric Tonnes)</i>						
Gas Asli Cecair / Liquefied Natural Gas	8,023	7,385	8,337	7,539	8,390	7,069
Gas Petroleum Cecair / Liquefied Petroleum Gas	673	705	654	645	670	528
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	1,446	1,827	1,834	1,359	1,159	1,327
Minyak Bahan Api / Fuel Oil	516	446	500	529	438	478
Minyak Diesel / Gas / Diesel / Gas Oil	3,401	2,804	4,374	4,753	4,741	3,070
Minyak Pelincir Campuran / Blended Lubricating Oil	23	29	48	45	36	41
Minyak Tanah / Kerosene	827	774	745	812	799	1,009
Nafta / Naptha	865	805	806	783	738	937
Jumlah / Total	15,773	14,776	17,297	16,465	16,971	14,460
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>						
Gas Asli Cecair / Liquefied Natural Gas	5.1	7.0	15.8	3.7	4.6	-4.3
Gas Petroleum Cecair / Liquefied Petroleum Gas	2.5	8.5	-0.6	-11.4	-0.4	-25.1
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	-1.8	18.6	4.2	-18.1	-19.8	-27.4
Minyak Bahan Api / Fuel Oil	-1.4	-12.5	-12.9	3.3	-15.1	7.1
Minyak Diesel / Gas / Diesel / Gas Oil	14.3	4.6	20.4	32.3	39.4	9.5
Minyak Pelincir Campuran / Blended Lubricating Oil	23.8	21.0	40.3	49.6	56.3	43.9
Minyak Tanah / Kerosene	-10.8	-25.1	-32.1	-26.9	-3.4	30.4
Nafta / Naptha	-15.5	-16.6	-16.8	-17.1	-14.7	16.4
Jumlah / Total	3.5	3.3	8.6	3.9	7.6	-2.1
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>						
Gas Asli Cecair / Liquefied Natural Gas	10.4	-7.9	12.9	-9.6	11.3	-15.7
Gas Petroleum Cecair / Liquefied Petroleum Gas	-7.6	4.8	-7.3	-1.3	3.8	-21.2
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	-12.9	26.4	0.3	-25.9	-14.7	14.5
Minyak Bahan Api / Fuel Oil	0.8	-13.6	12.2	5.7	-17.2	9.1
Minyak Diesel / Gas / Diesel / Gas Oil	-5.3	-17.5	56.0	8.7	-0.3	-35.2
Minyak Pelincir Campuran / Blended Lubricating Oil	-22.2	23.0	66.4	-6.0	-18.7	13.2
Minyak Tanah / Kerosene	-25.5	-6.4	-3.7	9.0	-1.6	26.3
Nafta / Naptha	-8.4	-7.0	0.1	-2.8	-5.8	26.9
Jumlah / Total	-0.5	-6.3	17.1	-4.8	3.1	-14.8
(D) Peratusan Sumbangan <i>Percentage Share</i>						
Gas Asli Cecair / Liquefied Natural Gas	50.9	50.0	48.2	45.8	49.4	48.9
Gas Petroleum Cecair / Liquefied Petroleum Gas	4.3	4.8	3.8	3.9	3.9	3.7
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	9.2	12.4	10.6	8.3	6.8	9.2
Minyak Bahan Api / Fuel Oil	3.3	3.0	2.9	3.2	2.6	3.3
Minyak Diesel / Gas / Diesel / Gas Oil	21.6	19.0	25.3	28.9	27.9	21.2
Minyak Pelincir Campuran / Blended Lubricating Oil	0.1	0.2	0.3	0.3	0.2	0.3
Minyak Tanah / Kerosene	5.2	5.2	4.3	4.9	4.7	7.0
Nafta / Naptha	5.5	5.4	4.7	4.8	4.3	6.5
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Perangkaan Pembuatan Bulanan
Source : Monthly Manufacturing Statistics

4a

Nilai Jualan Berkaitan Produk Petroleum - Tahunan
Sales Value of Related Petroleum Products - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021	2022
(A) Nilai (RM Juta) <i>Value (RM Million)</i>								
Jualan Produk Petroleum Bertapis¹ <i>Refined Petroleum Products¹</i>	126,127	99,522	129,773	141,655	149,476	128,477	175,557	249,901
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² <i>Wholesale of Solid, Liquid & Gaseous Fuels and Related Products²</i>	109,902	114,340	126,617	133,478	141,677	123,448	136,381	148,199
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² <i>Retail Sale of Automotive Fuel in Specialised Stores²</i>	30,759	33,599	38,570	42,843	44,610	38,654	40,817	58,539
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>								
Jualan Produk Petroleum Bertapis¹ <i>Refined Petroleum Products¹</i>	-5.5	-21.1	30.4	9.2	5.5	-14.0	36.6	42.3
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² <i>Wholesale of Solid, Liquid & Gaseous Fuels and Related Products²</i>	1.5	4.0	10.7	5.4	6.1	-12.9	10.5	8.7
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² <i>Retail Sale of Automotive Fuel in Specialised Stores²</i>	13.3	9.2	14.8	11.1	4.1	-13.4	5.6	43.4

Sumber / Source :

¹ Perangkaan Pembuatan Bulanan / Monthly Manufacturing Statistics

² Jabatan Perangkaan Malaysia (DOSM) / Department of Statistics, Malaysia (DOSM)

4b Nilai Jualan Berkaitan Produk Petroleum - Suku Tahunan
Sales Value of Related Petroleum Products - Quarterly

Keterangan Description	2015				2016				2017			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) Value (RM Million)												
Jualan Produk Petroleum Bertapis¹ Refined Petroleum Products ¹	36,911	31,485	31,228	26,503	23,953	23,092	24,479	27,999	31,608	30,520	32,863	34,782
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²	27,232	27,498	27,355	27,817	27,962	28,621	28,548	29,209	30,745	31,325	31,945	32,602
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² Retail Sale of Automotive Fuel in Specialised Stores ²	7,411	7,448	7,778	8,122	8,057	8,114	8,532	8,896	9,345	9,426	9,730	10,069
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year												
Jualan Produk Petroleum Bertapis¹ Refined Petroleum Products ¹	0.0	-7.8	-0.5	-14.6	-35.1	-26.7	-21.6	5.6	32.0	32.2	34.3	24.2
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²	1.5	1.2	1.5	1.8	2.7	4.1	4.4	5.0	10.0	9.4	11.9	11.6
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² Retail Sale of Automotive Fuel in Specialised Stores ²	16.1	11.9	12.5	13.0	8.7	8.9	9.7	9.5	16.0	16.2	14.0	13.2
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter												
Jualan Produk Petroleum Bertapis¹ Refined Petroleum Products ¹	18.9	-14.7	-0.8	-15.1	-9.6	-3.6	6.0	14.4	12.9	-3.4	7.7	5.8
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²	-0.4	1.0	-0.5	1.7	0.5	2.4	-0.3	2.3	5.3	1.9	2.0	2.1
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² Retail Sale of Automotive Fuel in Specialised Stores ²	3.1	0.5	4.4	4.4	-0.8	0.7	5.1	4.3	5.1	0.9	3.2	3.5

Sumber / Source :

¹ Perangkaan Pembuatan Bulanan / Monthly Manufacturing Statistics

² Jabatan Perangkaan Malaysia (DOSM) / Department of Statistics, Malaysia (DOSM)

2018				2019				2020				2021			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
34,114	33,223	35,485	38,833	37,717	35,249	36,934	39,577	40,657	27,680	28,840	31,300	33,513	44,230	48,092	49,722
32,450	32,914	33,518	34,596	34,658	34,983	35,579	36,457	35,836	23,017	30,488	34,108	34,432	34,208	31,952	35,789
10,372	10,549	10,987	10,935	10,951	10,948	11,356	11,356	10,653	7,373	10,588	10,041	10,061	9,259	10,053	11,444
7.9	8.9	8.0	11.6	10.6	6.1	4.1	1.9	7.8	-21.5	-21.9	-20.9	-17.6	59.8	66.8	58.9
5.5	5.1	4.9	6.1	6.8	6.3	6.1	5.4	3.4	-34.2	-14.3	-6.4	-3.9	48.6	4.8	4.9
11.0	11.9	12.9	8.6	5.6	3.8	3.4	3.9	-2.7	-32.6	-6.8	-11.6	-5.5	25.6	-5.1	14.0
-1.9	-2.6	6.8	9.4	-2.9	-6.5	4.8	7.2	2.7	-31.9	4.2	8.5	7.1	32.0	8.7	3.4
-0.5	1.4	1.8	3.2	0.2	0.9	1.7	2.5	-1.7	-35.8	32.5	11.9	1.0	-0.7	-6.6	12.0
3.0	1.7	4.2	-0.5	0.1	0.0	3.7	0.0	-6.2	-30.8	43.6	-5.2	0.2	-8.0	8.6	13.8

4b Nilai Jualan Berkaitan Produk Petroleum - Suku Tahunan
Sales Value of Related Petroleum Products - Quarterly

Keterangan Description		2022				2023	
		I	II	III	IV	I	II
(A) Nilai (RM Juta) Value (RM Million)							
Jualan Produk Petroleum Bertapis ¹ Refined Petroleum Products ¹		45,669	60,286	75,616	68,330	55,680	56,542
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan ² Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²		36,494	38,027	37,543	36,135	36,116	37,572
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan ² Retail Sale of Automotive Fuel in Specialised Stores ²		11,544	15,044	15,724	16,227	16,500	16,718
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year							
Jualan Produk Petroleum Bertapis ¹ Refined Petroleum Products ¹		36.3	36.3	57.2	37.4	21.9	-6.2
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan ² Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²		6.0	11.2	17.5	1.0	-1.0	-1.2
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan ² Retail Sale of Automotive Fuel in Specialised Stores ²		14.7	62.5	56.4	41.8	42.9	11.1
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter							
Jualan Produk Petroleum Bertapis ¹ Refined Petroleum Products ¹		-8.2	32.0	25.4	-9.6	-18.5	1.5
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan ² Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²		2.0	4.2	-1.3	-3.8	-0.1	4.0
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan ² Retail Sale of Automotive Fuel in Specialised Stores ²		0.9	30.3	4.5	3.2	1.7	1.3

Sumber / Source :

¹ Perangkaan Pembuatan Bulanan / Monthly Manufacturing Statistics

² Jabatan Perangkaan Malaysia (DOSM) / Department of Statistics, Malaysia (DOSM)

Nilai Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan
Export Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021	2022 ^f
(A) Nilai (RM Juta) <i>Value (RM Million)</i>								
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	26,696	23,457	29,889	38,183	29,118	19,744	20,054	35,225
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	41,397	46,057	56,934	65,649	61,803	53,729	86,160	149,836
Gas Asli Cecair <i>Liquefied Natural Gas</i>	44,603	32,017	40,460	42,322	42,484	29,868	38,193	68,002
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>								
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-21.0	-12.1	27.4	27.7	-23.7	-32.2	1.6	75.6
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-31.5	11.3	23.6	15.3	-5.9	-13.1	60.4	73.9
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-30.6	-28.2	26.4	4.6	0.4	-29.7	27.9	78.1

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^f **Muktamad / Final**

Nilai Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Export Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description	2015				2016				2017			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) <i>Value (RM Million)</i>												
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	6,766	6,402	6,147	7,381	5,120	5,097	6,067	7,174	8,336	6,826	6,034	8,693
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	10,225	9,732	9,953	11,486	9,441	12,473	10,673	13,470	13,913	13,880	15,250	13,891
Gas Asli Cecair <i>Liquefied Natural Gas</i>	14,276	8,404	9,656	12,267	9,484	6,052	6,893	9,588	9,994	9,172	10,810	10,485
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>												
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-14.8	-33.0	-26.6	-6.6	-24.3	-20.4	-1.3	-2.8	62.8	33.9	-0.5	21.2
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-38.4	-35.1	-32.5	-18.5	-7.7	28.2	7.2	17.3	47.4	11.3	42.9	3.1
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-17.6	-46.2	-32.5	-28.0	-33.6	-28.0	-28.6	-21.8	5.4	51.5	56.8	9.4
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>												
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-14.4	-5.4	-4.0	20.1	-30.6	-0.4	19.0	18.3	16.2	-18.1	-11.6	44.1
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-27.5	-4.8	2.3	15.4	-17.8	32.1	-14.4	26.2	3.3	-0.2	9.9	-8.9
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-16.2	-41.1	14.9	27.0	-22.7	-36.2	13.9	39.1	4.2	-8.2	17.9	-3.0

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

2018				2019				2020				2021			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
8,900	8,658	10,144	10,480	7,222	8,254	6,149	7,492	6,606	3,015	5,916	4,206	4,703	5,430	5,138	4,783
14,800	17,544	15,509	17,795	12,294	17,962	15,228	16,319	17,581	11,889	11,869	12,390	14,146	22,645	24,911	24,458
10,349	8,923	9,143	13,908	12,677	9,608	9,582	10,618	11,131	7,209	5,065	6,463	8,142	8,501	9,660	11,890
6.8	26.8	68.1	20.6	-18.8	-4.7	-39.4	-28.5	-8.5	-63.5	-3.8	-43.9	-28.8	80.1	-13.1	13.7
6.4	26.4	1.7	28.1	-16.9	2.4	-1.8	-8.3	43.0	-33.8	-22.1	-24.1	-19.5	90.5	109.9	97.4
3.6	-2.7	-15.4	32.6	22.5	7.7	4.8	-23.7	-12.2	-25.0	-47.1	-39.1	-26.9	17.9	90.7	84.0
2.4	-2.7	17.2	3.3	-31.1	14.3	-25.5	21.8	-11.8	-54.4	96.2	-28.9	11.8	15.5	-5.4	-6.9
6.5	18.5	-11.6	14.7	-30.9	46.1	-15.2	7.2	7.7	-32.4	-0.2	4.4	14.2	60.1	10.0	-1.8
-1.3	-13.8	2.5	52.1	-8.9	-24.2	-0.3	10.8	4.8	-35.2	-29.7	27.6	26.0	4.4	13.6	23.1

Nilai Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Export Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description		2022 ^f				2023 ^p	
		I	II	III	IV	I	II
(A) Nilai (RM Juta) <i>Value (RM Million)</i>							
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>		7,517	9,695	10,142	7,872	8,311	6,467
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>		20,580	36,300	53,465	39,492	33,861	35,284
Gas Asli Cecair <i>Liquefied Natural Gas</i>		13,257	15,574	19,079	20,092	17,759	12,756
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>							
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>		59.8	78.5	97.4	64.6	10.6	-33.3
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>		45.5	60.3	114.6	61.5	64.5	-2.8
Gas Asli Cecair <i>Liquefied Natural Gas</i>		62.8	83.2	97.5	69.0	34.0	-18.1
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>							
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>		57.2	29.0	4.6	-22.4	5.6	-22.2
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>		-15.9	76.4	47.3	-26.1	-14.3	4.2
Gas Asli Cecair <i>Liquefied Natural Gas</i>		11.5	17.5	22.5	5.3	-11.6	-28.2

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics
Nota / Notes :
^p **Awalan / Preliminary**
^f **Muktamad / Final**

Volum Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan
Exports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021	2022 ^f
(A) Volum ('000 Tan Metrik) <i>Volume ('000 Metric Tonnes)</i>								
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	16,062	16,635	16,558	17,139	13,746	13,685	9,590	9,852
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	20,854	28,647	29,487	29,486	28,134	34,682	37,906	41,764
Gas Asli Cecair <i>Liquefied Natural Gas</i>	24,801	25,273	27,083	23,955	25,498	24,083	24,697	27,316
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>								
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	24.1	3.6	-0.5	3.5	-19.8	-0.4	-29.9	2.7
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-6.8	37.4	2.9	0.0	-4.6	23.3	9.3	10.2
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-2.6	1.9	7.2	-11.5	6.4	-5.5	2.5	10.6

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^f **Muktamad / Final**

Volum Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Exports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description	2015				2016				2017			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Volum ('000 Tan Metrik) <i>Volume ('000 Metric Tonnes)</i>												
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	4,248	3,712	3,517	4,584	4,253	3,704	4,180	4,499	4,422	3,879	3,703	4,553
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	5,038	4,626	5,262	5,927	5,629	8,127	7,096	7,794	7,054	7,455	8,047	6,932
Gas Asli Cecair <i>Liquefied Natural Gas</i>	6,690	5,731	5,622	6,759	6,572	5,890	5,857	6,955	6,816	5,820	7,102	7,345
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>												
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	52.6	7.0	10.5	30.5	0.1	-0.2	18.8	-1.9	4.0	4.7	-11.4	1.2
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-13.8	-12.8	-5.3	4.5	11.7	75.7	34.9	31.5	25.3	-8.3	13.4	-11.1
Gas Asli Cecair <i>Liquefied Natural Gas</i>	1.9	-7.9	-5.6	0.8	-1.8	2.8	4.2	2.9	3.7	-1.2	21.3	5.6
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>												
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	20.9	-12.6	-5.2	30.3	-7.2	-12.9	12.9	7.6	-1.7	-12.3	-4.6	23.0
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-11.2	-8.2	13.7	12.6	-5.0	44.4	-12.7	9.8	-9.5	5.7	8.0	-13.9
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-0.3	-14.3	-1.9	20.2	-2.8	-10.4	-0.6	18.7	-2.0	-14.6	22.0	3.4

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

2018				2019				2020				2021			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
4,347	4,034	4,384	4,373	3,633	3,692	2,871	3,550	3,164	2,624	4,653	3,245	2,849	2,604	2,240	1,897
7,307	8,150	6,808	7,221	5,890	7,623	7,125	7,495	8,680	9,352	8,206	8,444	7,821	10,472	10,742	8,871
6,318	5,600	4,996	7,042	6,687	6,151	5,938	6,723	6,801	5,098	5,894	6,291	6,704	6,127	5,667	6,199
-1.7	4.0	18.4	-4.0	-16.4	-8.5	-34.5	-18.8	-12.9	-28.9	62.1	-8.6	-10.0	-0.7	-51.9	-41.5
3.6	9.3	-15.4	4.2	-19.4	-6.5	4.7	3.8	47.4	22.7	15.2	12.7	-9.9	12.0	30.9	5.1
-7.3	-3.8	-29.7	-4.1	5.8	9.8	18.9	-4.5	1.7	-17.1	-0.8	-6.4	-1.4	20.2	-3.8	-1.5
-4.5	-7.2	8.7	-0.2	-16.9	1.6	-22.2	23.6	-10.9	-17.1	77.4	-30.3	-12.2	-8.6	-14.0	-15.3
5.4	11.5	-16.5	6.1	-18.4	29.4	-6.5	5.2	15.8	7.7	-12.2	2.9	-7.4	33.9	2.6	-17.4
-14.0	-11.4	-10.8	40.9	-5.0	-8.0	-3.5	13.2	1.2	-25.0	15.6	6.7	6.6	-8.6	-7.5	9.4

Volum Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Exports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description		2022 ^f				2023 ^p	
		I	II	III	IV	I	II
(A)	Nilai (RM Juta) <i>Value (RM Million)</i>						
	Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	2,533	2,583	2,536	2,200	2,703	2,213
	Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	6,499	9,613	14,255	11,397	10,622	11,762
	Gas Asli Cecair <i>Liquefied Natural Gas</i>	6,888	6,717	6,746	6,965	7,385	6,049
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>						
	Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-11.1	-0.8	13.2	16.0	6.7	-14.3
	Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-16.9	-8.2	32.7	28.5	63.5	22.4
	Gas Asli Cecair <i>Liquefied Natural Gas</i>	2.7	9.6	19.0	12.4	7.2	-10.0
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>						
	Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	33.6	2.0	-1.8	-13.2	22.9	-18.1
	Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-26.7	47.9	48.3	-20.1	-6.8	10.7
	Gas Asli Cecair <i>Liquefied Natural Gas</i>	11.1	-2.5	0.4	3.3	6.0	-18.1

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics
Nota / Notes :
^p **Awalan / Preliminary**
^f **Muktamad / Final**

7a Nilai Eksport Petroleum Mentah dan Kondensat mengikut Negara Destinasi - Tahunan
Export Value of Crude Petroleum and Condensate by Country of Destination - Annually

Keterangan Description	2018	2019	2020	2021	2022 [†]
(A) Nilai (RM Juta) Value (RM Million)					
Australia	11,397	7,208	5,179	5,845	8,431
Bangladesh	-	-	-	-	253
Brunei Darussalam	14	15	334	1,901	4,818
China	704	224	1,033	390	241
India	7,960	6,604	3,832	2,723	5,291
Indonesia	1,699	660	506	375	48
Italy	98	-	-	-	-
Japan	1,189	1,071	2,036	2,494	4,622
Korea, Republic Of	83	416	1,019	12	290
New Zealand	1,893	1,723	908	472	-
Nigeria	-	-	23	-	-
Papua New Guinea	187	-	38	68	-
Philippines	988	752	221	602	740
Saudi Arabia	-	103	-	-	-
Singapore	4,058	4,298	1,540	1,174	2,013
Thailand	6,105	5,810	3,055	3,998	7,919
United Kingdom	-	-	-	-	0
United States	90	-	-	-	-
Viet Nam	184	233	20	-	558
Jumlah / Total	36,649	29,118	19,744	20,054	35,225
(B) Peratusan Sumbangan Percentage Share					
Australia	31.1	24.8	26.2	29.1	23.9
Bangladesh	-	-	-	-	0.7
Brunei Darussalam	0.0	0.1	1.7	9.5	13.7
China	1.9	0.8	5.2	1.9	0.7
India	21.7	22.7	19.4	13.6	15.0
Indonesia	4.6	2.3	2.6	1.9	0.1
Italy	0.3	-	-	-	-
Japan	3.2	3.7	10.3	12.4	13.1
Korea, Republic Of	0.2	1.4	5.2	0.1	0.8
New Zealand	5.2	5.9	4.6	2.4	-
Nigeria	-	-	0.1	-	-
Papua New Guinea	0.5	-	0.2	0.3	-
Philippines	2.7	2.6	1.1	3.0	2.1
Saudi Arabia	-	0.4	-	-	-
Singapore	11.1	14.8	7.8	5.9	5.7
Thailand	16.7	20.0	15.5	19.9	22.5
United Kingdom	-	-	-	-	0.0
United States	0.2	-	-	-	-
Viet Nam	0.5	0.8	0.1	-	1.6
Jumlah / Total	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

[†] Muktamad / Final

7b Nilai Eksport Petroleum Mentah dan Kondensat mengikut Negara Destinasi - Suku Tahunan
Export Value of Crude Petroleum and Condensate by Country of Destination - Quarterly

Keterangan Description	2018				2019				2020	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) Value (RM Million)										
Australia	2,499	2,376	3,392	3,130	2,036	1,781	1,373	2,018	2,383	728
Bangladesh	-	-	-	-	-	-	-	-	-	-
Brunei Darussalam	3	5	2	4	3	6	4	3	1	1
China	74	121	329	182	-	86	-	138	88	475
India	1,745	1,666	2,469	2,081	1,628	2,215	1,249	1,512	1,065	567
Indonesia	303	552	387	457	165	86	256	153	156	110
Italy	-	-	98	-	-	-	-	-	-	-
Japan	532	301	59	297	314	351	176	231	501	511
Korea, Republic Of	83	-	-	-	-	-	157	259	159	15
New Zealand	418	333	675	467	482	391	415	435	511	-
Nigeria	-	-	-	-	-	-	-	-	-	23
Papua New Guinea	-	187	-	-	-	-	-	-	-	38
Philippines	-	-	542	446	75	191	152	335	166	-
Saudi Arabia	-	-	-	-	-	-	-	103	-	-
Singapore	1,060	1,294	607	1,097	1,091	1,208	894	1,106	388	86
Thailand	1,614	1,540	1,160	1,791	1,383	1,754	1,473	1,200	1,187	463
United Kingdom	-	-	-	-	-	-	-	-	-	-
United States	-	-	90	-	-	-	-	-	-	-
Viet Nam	184	-	-	-	46	187	-	-	-	-
Jumlah / Total	8,515	8,374	9,811	9,949	7,222	8,254	6,149	7,492	6,606	3,015
(B) Peratusan Sumbangan Percentage Share										
Australia	29.3	28.4	34.6	31.5	28.2	21.6	22.3	26.9	36.1	24.1
Bangladesh	-	-	-	-	-	-	-	-	-	-
Brunei Darussalam	0.0	0.1	0.0	0.0	0.0	0.1	0.1	0.0	0.0	0.0
China	0.9	1.4	3.3	1.8	-	1.0	-	1.8	1.3	15.8
India	20.5	19.9	25.2	20.9	22.5	26.8	20.3	20.2	16.1	18.8
Indonesia	3.6	6.6	3.9	4.6	2.3	1.0	4.2	2.0	2.4	3.6
Italy	-	-	1.0	-	-	-	-	-	-	-
Japan	6.2	3.6	0.6	3.0	4.3	4.2	2.9	3.1	7.6	17.0
Korea, Republic Of	1.0	-	-	-	-	-	2.5	3.5	2.4	0.5
New Zealand	4.9	4.0	6.9	4.7	6.7	4.7	6.7	5.8	7.7	-
Nigeria	-	-	-	-	-	-	-	-	-	0.8
Papua New Guinea	-	2.2	-	-	-	-	-	-	-	1.3
Philippines	-	-	5.5	4.5	1.0	2.3	2.5	4.5	2.5	-
Saudi Arabia	-	-	-	-	-	-	-	1.4	-	-
Singapore	12.5	15.5	6.2	11.0	15.1	14.6	14.5	14.8	5.9	2.9
Thailand	19.0	18.4	11.8	18.0	19.2	21.3	24.0	16.0	18.0	15.3
United Kingdom	-	-	-	-	-	-	-	-	-	-
United States	-	-	0.9	-	-	-	-	-	-	-
Viet Nam	2.2	-	-	-	0.6	2.3	-	-	-	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

2020		2021				2022 ^f				2023 ^p	
III	IV	I	II	III	IV	I	II	III	IV	I	II
859	1,210	1,536	1,430	1,392	1,487	1,604	2,691	2,188	1,947	2,044	1,112
-	-	-	-	-	1	-	-	253	-	135	199
237	95	132	542	636	592	632	1,107	1,992	1,088	768	598
356	114	147	88	156	-	-	146	-	95	255	122
1,526	674	852	899	353	619	1,375	1,439	1,448	1,029	501	622
203	37	302	23	-	50	48	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
539	485	412	436	900	745	1,115	422	1,495	1,589	1,605	1,654
845	-	12	-	-	-	-	290	-	-	-	112
110	286	194	-	68	210	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	68	-	-	-	-	-	-	-	-	-
-	54	-	149	133	319	482	259	-	-	366	109
-	-	-	-	-	-	-	-	-	-	-	-
355	711	287	519	276	92	96	701	900	316	283	432
886	519	762	1,344	1,223	669	2,004	2,364	1,791	1,761	2,338	1,507
-	-	-	-	-	-	-	0	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	20	-	-	-	-	160	276	76	46	17	-
5,916	4,206	4,703	5,430	5,138	4,784	7,517	9,695	10,142	7,872	8,311	6,467
14.5	28.8	32.7	26.3	27.1	31.1	21.3	27.8	21.6	24.7	24.6	17.2
-	-	-	-	-	0.0	-	-	2.5	-	1.6	3.1
4.0	2.3	2.8	10.0	12.4	12.4	8.4	11.4	19.6	13.8	9.2	9.2
6.0	2.7	3.1	1.6	3.0	-	-	1.5	-	1.2	3.1	1.9
25.8	16.0	18.1	16.6	6.9	12.9	18.3	14.8	14.3	13.1	6.0	9.6
3.4	0.9	6.4	0.4	-	1.0	0.6	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
9.1	11.5	8.8	8.0	17.5	15.6	14.8	4.4	14.7	20.2	19.3	25.6
14.3	-	0.2	-	-	-	-	3.0	-	-	-	1.7
1.9	6.8	4.1	-	1.3	4.4	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	-	1.4	-	-	-	-	-	-	-	-	-
-	1.3	-	2.7	2.6	6.7	6.4	2.7	-	-	4.4	1.7
-	-	-	-	-	-	-	-	-	-	-	-
6.0	16.9	6.1	9.6	5.4	1.9	1.3	7.2	8.9	4.0	3.4	6.7
15.0	12.3	16.2	24.8	23.8	14.0	26.7	24.4	17.7	22.4	28.1	23.3
-	-	-	-	-	-	-	0.0	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-
-	0.5	-	-	-	-	2.1	2.9	0.7	0.6	0.2	-
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

8a Nilai Eksport Keluaran Petroleum Bertapis mengikut Negara Destinasi -Tahunan
Export Value of Refined Petroleum Products by Country of Destination - Annually

Keterangan Description	2018	2019	2020	2021 ^f	2022 ^p
(A) Nilai (RM Juta) Value (RM Million)					
Australia	4,414	4,599	3,936	8,886	15,065
Bangladesh	4,016	5,261	1,545	5,331	11,391
China	5,695	5,084	6,417	6,328	3,335
Fiji	76	39	2	147	553
France	0	0	0	-	1,884
Hong Kong	2,365	1,317	1,254	1,445	2,718
India	707	1,415	1,652	970	1,052
Indonesia	4,887	4,740	4,941	13,259	24,787
Korea, Republic Of	2,494	725	1,265	2,186	4,037
Mexico	194	78	6	30	598
Myanmar	561	169	404	943	2,911
Netherlands	15	1,042	810	1,184	2,553
New Zealand	49	122	72	88	2,491
Philippines	1,404	1,829	1,602	2,510	3,705
Saudi Arabia	136	0	132	583	374
Singapore	19,022	16,844	18,082	19,679	33,302
Sri Lanka	832	1,909	820	909	1,720
Taiwan, Province Of China	1,918	824	1,059	1,828	3,483
United States	355	59	398	250	2,612
Viet Nam	8,750	6,103	3,684	5,290	5,754
Other countries	7,756	9,642	5,651	14,315	25,511
Jumlah / Total	65,649	61,803	53,729	86,160	149,836
(B) Peratusan Sumbangan Percentage Share					
Australia	6.7	7.4	7.3	10.3	10.1
Bangladesh	6.1	8.5	2.9	6.2	7.6
China	8.7	8.2	11.9	7.3	2.2
Fiji	0.1	0.1	0.0	0.2	0.4
France	0.0	0.0	0.0	-	1.3
Hong Kong	3.6	2.1	2.3	1.7	1.8
India	1.1	2.3	3.1	1.1	0.7
Indonesia	7.4	7.7	9.2	15.4	16.5
Korea, Republic Of	3.8	1.2	2.4	2.5	2.7
Mexico	0.3	0.1	0.0	0.0	0.4
Myanmar	0.9	0.3	0.8	1.1	1.9
Netherlands	0.0	1.7	1.5	1.4	1.7
New Zealand	0.1	0.2	0.1	0.1	1.7
Philippines	2.1	3.0	3.0	2.9	2.5
Saudi Arabia	0.2	0.0	0.2	0.7	0.2
Singapore	29.0	27.3	33.7	22.8	22.2
Sri Lanka	1.3	3.1	1.5	1.1	1.1
Taiwan, Province Of China	2.9	1.3	2.0	2.1	2.3
United States	0.5	0.1	0.7	0.3	1.7
Viet Nam	13.3	9.9	6.9	6.1	3.8
Other countries	11.8	15.6	10.5	16.6	17.0
Jumlah / Total	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

8b Nilai Eksport Keluaran Petroleum Bertapis mengikut Negara Destinasi - Suku Tahunan
Export Value of Refined Petroleum Products by Country of Destination - Quarterly

Keterangan Description	2018				2019				2020			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) Value (RM Million)												
Australia	550	920	706	2,239	1,310	1,106	1,195	989	977	783	1,245	931
Bangladesh	766	1,540	1,055	655	746	1,439	2,342	734	712	249	233	351
China	628	994	1,673	2,400	841	1,127	1,492	1,623	1,321	2,072	1,504	1,521
Fiji	12	0	45	19	1	7	6	25	1	0	0	0
France	-	-	0	-	0	-	0	0	0	0	-	-
Hong Kong	580	518	455	813	380	471	256	210	347	264	271	373
India	75	326	112	194	210	418	211	576	1,187	218	26	220
Indonesia	1,696	1,348	1,159	684	780	992	667	2,300	1,545	898	1,093	1,405
Korea, Republic Of	503	360	826	805	302	88	239	96	791	63	358	52
Mexico	-	96	99	-	-	-	78	-	-	4	2	0
Myanmar	118	222	69	152	84	38	40	8	75	183	136	10
Netherlands	14	0	1	-	279	763	0	-	610	151	15	34
New Zealand	8	11	13	17	30	67	11	14	11	5	11	45
Philippines	474	455	200	275	305	717	550	257	131	261	751	458
Saudi Arabia	9	1	94	32	0	0	-	0	0	69	63	0
Singapore	4,485	4,315	4,686	5,535	2,956	5,112	3,558	5,217	6,413	4,023	3,651	3,995
Sri Lanka	228	256	297	51	95	482	764	567	654	43	7	116
Taiwan, Province Of China	375	545	501	497	283	357	24	160	153	264	260	382
United States	149	143	63	-	59	0	1	0	0	0	259	139
Viet Nam	2,649	2,371	1,738	1,991	1,254	1,838	1,573	1,438	809	1,007	1,095	772
Other countries	1,479	3,123	1,718	1,435	2,380	2,939	2,220	2,104	1,845	1,331	890	1,585
Jumlah / Total	14,800	17,544	15,509	17,795	12,294	17,962	15,228	16,319	17,581	11,889	11,869	12,390
(B) Peratusan Sumbangan Percentage Share												
Australia	3.7	5.2	4.6	12.6	10.7	6.2	7.8	6.1	5.6	6.6	10.5	7.5
Bangladesh	5.2	8.8	6.8	3.7	6.1	8.0	15.4	4.5	4.0	2.1	2.0	2.8
China	4.2	5.7	10.8	13.5	6.8	6.3	9.8	9.9	7.5	17.4	12.7	12.3
Fiji	0.1	0.0	0.3	0.1	0.0	0.0	0.0	0.2	0.0	0.0	0.0	0.0
France	-	-	0.0	-	0.0	-	0.0	0.0	0.0	0.0	-	-
Hong Kong	3.9	3.0	2.9	4.6	3.1	2.6	1.7	1.3	2.0	2.2	2.3	3.0
India	0.5	1.9	0.7	1.1	1.7	2.3	1.4	3.5	6.8	1.8	0.2	1.8
Indonesia	11.5	7.7	7.5	3.8	6.3	5.5	4.4	14.1	8.8	7.6	9.2	11.3
Korea, Republic Of	3.4	2.1	5.3	4.5	2.5	0.5	1.6	0.6	4.5	0.5	3.0	0.4
Mexico	-	0.5	0.6	-	-	-	0.5	-	-	0.0	0.0	0.0
Myanmar	0.8	1.3	0.4	0.9	0.7	0.2	0.3	0.0	0.4	1.5	1.1	0.1
Netherlands	0.1	0.0	0.0	-	2.3	4.3	0.0	-	3.5	1.3	0.1	0.3
New Zealand	0.1	0.1	0.1	0.1	0.2	0.4	0.1	0.1	0.1	0.0	0.1	0.4
Philippines	3.2	2.6	1.3	1.5	2.5	4.0	3.6	1.6	0.7	2.2	6.3	3.7
Saudi Arabia	0.1	0.0	0.6	0.2	0.0	0.0	-	0.0	0.0	0.6	0.5	0.0
Singapore	30.3	24.6	30.2	31.1	24.0	28.5	23.4	32.0	36.5	33.8	30.8	32.2
Sri Lanka	1.5	1.5	1.9	0.3	0.8	2.7	5.0	3.5	3.7	0.4	0.1	0.9
Taiwan, Province Of China	2.5	3.1	3.2	2.8	2.3	2.0	0.2	1.0	0.9	2.2	2.2	3.1
United States	1.0	0.8	0.4	-	0.5	0.0	0.0	0.0	0.0	0.0	2.2	1.1
Viet Nam	17.9	13.5	11.2	11.2	10.2	10.2	10.3	8.8	4.6	8.5	9.2	6.2
Other countries	10.0	17.8	11.1	8.1	19.4	16.4	14.6	12.9	10.5	11.2	7.5	12.8
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

8b Nilai Eksport Keluaran Petroleum Bertapis mengikut Negara Destinasi - Suku Tahunan
Export Value of Refined Petroleum Products by Country of Destination - Quarterly

Keterangan Description	2021				2022 ¹				2023 ^p	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) Value (RM Million)										
Australia	1,481	3,086	2,151	2,169	1,778	4,043	4,169	5,075	4,572	7,400
Bangladesh	830	1,572	1,301	1,628	1,540	4,328	3,752	1,771	1,232	692
China	2,212	2,162	1,113	841	1,085	1,006	628	616	395	615
Fiji	27	58	27	35	43	87	249	175	102	234
France	-	-	-	-	13	454	929	488	538	289
Hong Kong	226	339	225	655	186	513	1,785	234	318	371
India	152	88	185	545	57	408	192	395	109	225
Indonesia	1,450	2,757	4,116	4,936	3,959	5,905	9,539	5,384	4,578	5,071
Korea, Republic Of	377	382	773	655	981	1,063	1,357	637	898	3,410
Mexico	-	-	30	0	-	394	203	1	807	410
Myanmar	230	211	190	311	413	636	1,599	263	809	546
Netherlands	0	1	901	281	301	299	866	1,087	390	475
New Zealand	7	13	53	16	11	1,065	477	938	1,238	1,450
Philippines	364	752	788	605	500	1,022	1,367	816	645	1,224
Saudi Arabia	0	58	368	157	-	-	265	109	-	478
Singapore	3,736	4,710	6,070	5,163	5,144	6,670	11,749	9,739	8,670	7,018
Sri Lanka	153	208	150	397	203	95	1,115	306	414	514
Taiwan, Province Of China	270	245	590	723	955	1,046	874	608	603	827
United States	0	0	236	13	9	561	692	1,350	558	583
Viet Nam	1,360	1,349	640	1,940	1,342	1,007	1,249	2,157	1,555	1,677
Other countries	1,270	4,653	5,005	3,387	2,061	5,700	10,409	7,341	5,431	1,774
Jumlah / Total	14,146	22,645	24,911	24,458	20,580	36,300	53,465	39,492	33,861	35,284
(B) Peratusan Sumbangan Percentage Share										
Australia	10.5	13.6	8.6	8.9	8.6	11.1	7.8	12.9	13.5	21.0
Bangladesh	5.9	6.9	5.2	6.7	7.5	11.9	7.0	4.5	3.6	2.0
China	15.6	9.5	4.5	3.4	5.3	2.8	1.2	1.6	1.2	1.7
Fiji	0.2	0.3	0.1	0.1	0.2	0.2	0.5	0.4	0.3	0.7
France	-	-	-	-	0.1	1.3	1.7	1.2	1.6	0.8
Hong Kong	1.6	1.5	0.9	2.7	0.9	1.4	3.3	0.6	0.9	1.1
India	1.1	0.4	0.7	2.2	0.3	1.1	0.4	1.0	0.3	0.6
Indonesia	10.2	12.2	16.5	20.2	19.2	16.3	17.8	13.6	13.5	14.4
Korea, Republic Of	2.7	1.7	3.1	2.7	4.8	2.9	2.5	1.6	2.7	9.7
Mexico	-	-	0.1	0.0	-	1.1	0.4	0.0	2.4	1.2
Myanmar	1.6	0.9	0.8	1.3	2.0	1.8	3.0	0.7	2.4	1.5
Netherlands	0.0	0.0	3.6	1.2	1.5	0.8	1.6	2.8	1.2	1.3
New Zealand	0.1	0.1	0.2	0.1	0.1	2.9	0.9	2.4	3.7	4.1
Philippines	2.6	3.3	3.2	2.5	2.4	2.8	2.6	2.1	1.9	3.5
Saudi Arabia	0.0	0.3	1.5	0.6	-	-	0.5	0.3	-	1.4
Singapore	26.4	20.8	24.4	21.1	25.0	18.4	22.0	24.7	25.6	19.9
Sri Lanka	1.1	0.9	0.6	1.6	1.0	0.3	2.1	0.8	1.2	1.5
Taiwan, Province Of China	1.9	1.1	2.4	3.0	4.6	2.9	1.6	1.5	1.8	2.3
United States	0.0	0.0	0.9	0.1	0.0	1.5	1.3	3.4	1.6	1.7
Viet Nam	9.6	6.0	2.6	7.9	6.5	2.8	2.3	5.5	4.6	4.8
Other countries	9.0	20.5	20.1	13.8	10.0	15.7	19.5	18.6	16.0	5.0
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

9a Nilai Eksport Gas Asli Cecair (LNG) mengikut Negara Destinasi - Tahunan
Export Value of Liquefied Natural Gas (LNG) by Country of Destination - Annually

Keterangan Description	2018	2019	2020	2021	2022 ^f
(A) Nilai (RM Juta) Value (RM Million)					
Australia	-	-	-	11	10
Bangladesh	806	129	124	-	-
Brunei Darussalam	0	-	0	0	-
China	8,874	10,265	6,812	12,929	18,053
Croatia	-	-	-	1	-
India	335	365	-	90	488
Italy	-	-	-	7	-
Japan	20,781	16,804	14,070	16,413	30,566
Korea, Republic Of	5,780	7,767	6,207	6,150	12,480
Mozambique	-	-	-	4	-
Myanmar	-	-	252	303	32
Pakistan	119	89	37	-	-
Qatar	-	2	-	5	-
Saudi Arabia	-	-	-	1	-
Singapore	-	-	-	101	697
Taiwan, Province Of China	5,627	4,869	932	529	1,214
Thailand	-	2,194	1,434	1,648	4,461
Trinidad and Tobago	-	-	-	-	1
United States	-	-	-	1	-
Jumlah / Total	42,322	42,484	29,868	38,193	68,002
(B) Peratusan Sumbangan Percentage Share					
Australia	-	-	-	0.0	0.0
Bangladesh	1.9	0.3	0.4	-	-
Brunei Darussalam	0.0	-	0.0	0.0	-
China	21.0	24.2	22.8	33.9	26.5
Croatia	-	-	-	0.0	-
India	0.8	0.9	-	0.2	0.7
Italy	-	-	-	0.0	-
Japan	49.1	39.6	47.1	43.0	44.9
Korea, Republic Of	13.7	18.3	20.8	16.1	18.4
Mozambique	-	-	-	0.0	-
Myanmar	-	-	0.8	0.8	0.0
Pakistan	0.3	0.2	0.1	-	-
Qatar	-	0.0	-	0.0	-
Saudi Arabia	-	-	-	0.0	-
Singapore	-	-	-	0.3	1.0
Taiwan, Province Of China	13.3	11.5	3.1	1.4	1.8
Thailand	-	5.2	4.8	4.3	6.6
Trinidad and Tobago	-	-	-	-	0.0
United States	-	-	-	0.0	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^f Muktamad / Final

9b Nilai Eksport Gas Asli Cecair (LNG) mengikut Negara Destinasi - Suku Tahunan
Export Value of Liquefied Natural Gas (LNG) by Country of Destination - Quarterly

Keterangan Description	2018				2019				2020	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) Value (RM Million)										
Australia	-	-	-	-	-	-	-	-	-	-
Bangladesh	147	255	291	113	-	74	55	-	68	-
Brunei Darussalam	-	0	-	-	-	-	-	-	-	-
China	991	2,200	2,258	3,425	2,250	2,393	2,459	3,163	1,563	1,720
Croatia	-	-	-	-	-	-	-	-	-	-
India	82	-	-	253	153	148	65	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Japan	7,170	3,788	4,226	5,597	5,892	3,904	3,568	3,440	6,173	2,822
Korea, Republic Of	1,270	1,073	904	2,533	2,400	1,441	1,726	2,200	2,461	1,606
Mozambique	-	-	-	-	-	-	-	-	-	-
Myanmar	-	-	-	-	-	-	-	-	-	61
Pakistan	-	-	-	119	-	89	-	-	-	-
Qatar	-	-	-	-	2	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Taiwan, Province Of China	689	1,607	1,463	1,868	1,124	1,161	1,287	1,297	701	49
Thailand	-	-	-	-	855	399	422	518	164	951
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United States	-	-	-	-	-	-	-	-	-	-
Jumlah / Total	10,349	8,923	9,143	13,908	12,677	9,608	9,582	10,618	11,131	7,209
(B) Peratusan Sumbangan Percentage Share										
Australia	-	-	-	-	-	-	-	-	-	-
Bangladesh	1.4	2.9	3.2	0.8	-	0.8	0.6	-	0.6	-
Brunei Darussalam	-	0.0	-	-	-	-	-	-	-	-
China	9.6	24.7	24.7	24.6	17.8	24.9	25.7	29.8	14.0	23.9
Croatia	-	-	-	-	-	-	-	-	-	-
India	0.8	-	-	1.8	1.2	1.5	0.7	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-
Japan	69.3	42.5	46.2	40.2	46.5	40.6	37.2	32.4	55.5	39.1
Korea, Republic Of	12.3	12.0	9.9	18.2	18.9	15.0	18.0	20.7	22.1	22.3
Mozambique	-	-	-	-	-	-	-	-	-	-
Myanmar	-	-	-	-	-	-	-	-	-	0.8
Pakistan	-	-	-	0.9	-	0.9	-	-	-	-
Qatar	-	-	-	-	0.0	-	-	-	-	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
Taiwan, Province Of China	6.7	18.0	16.0	13.4	8.9	12.1	13.4	12.2	6.3	0.7
Thailand	-	-	-	-	6.7	4.1	4.4	4.9	1.5	13.2
Trinidad and Tobago	-	-	-	-	-	-	-	-	-	-
United States	-	-	-	-	-	-	-	-	-	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

2020		2021				2022 ¹				2023 ^p	
III	IV	I	II	III	IV	I	II	III	IV	I	II
-	-	5	3	3	-	-	-	10	-	-	-
-	55	-	-	-	-	-	-	-	-	-	128
0	-	-	-	0	-	-	-	-	-	-	-
1,954	1,574	2,225	3,121	3,461	4,122	3,702	3,743	5,546	5,062	4,213	3,531
-	-	-	1	-	-	-	-	-	-	-	-
-	-	-	-	90	-	122	367	-	-	-	-
-	-	-	1	-	7	-	-	-	-	22	-
2,129	2,946	4,282	3,204	4,114	4,813	6,012	7,339	8,860	8,356	8,369	5,492
716	1,423	1,272	1,627	1,335	1,916	2,801	2,040	3,271	4,369	4,474	2,324
-	-	-	4	-	-	-	-	-	-	-	-
23	168	218	85	-	-	-	-	32	-	-	-
37	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	1	4	-	-	-	-	-	-
-	-	1	-	-	-	-	-	-	-	-	-
-	-	2	-	5	95	-	374	-	323	-	132
65	118	-	160	182	187	-	254	354	606	135	131
141	178	137	296	469	746	621	1,458	1,007	1,375	546	1,017
-	-	-	-	-	-	-	-	-	1	-	-
-	-	-	-	-	1	-	-	-	-	-	-
5,065	6,463	8,142	8,501	9,660	11,890	13,257	15,574	19,079	20,092	17,759	12,756

-	-	0.1	0.0	0.0	-	-	-	0.1	-	-	-
-	0.9	-	-	-	-	-	-	-	-	-	1.0
0.0	-	-	-	0.0	-	-	-	-	-	-	-
38.6	24.4	27.3	36.7	35.8	34.7	27.9	24.0	29.1	25.2	23.7	27.7
-	-	-	0.0	-	-	-	-	-	-	-	-
-	-	-	-	0.9	-	0.9	2.4	-	-	-	-
-	-	-	0.0	-	0.1	-	-	-	-	0.1	-
42.0	45.6	52.6	37.7	42.6	40.5	45.4	47.1	46.4	41.6	47.1	43.1
14.1	22.0	15.6	19.1	13.8	16.1	21.1	13.1	17.1	21.7	25.2	18.2
-	-	-	0.0	-	-	-	-	-	-	-	-
0.5	2.6	2.7	1.0	-	-	-	-	0.2	-	-	-
0.7	-	-	-	-	-	-	-	-	-	-	-
-	-	-	-	0.0	0.0	-	-	-	-	-	-
-	-	0.0	-	-	-	-	-	-	-	-	-
-	-	0.0	-	0.1	0.8	-	2.4	-	1.6	-	1.0
1.3	1.8	-	1.9	1.9	1.6	-	1.6	1.9	3.0	0.8	1.0
2.8	2.8	1.7	3.5	4.9	6.3	4.7	9.4	5.3	6.8	3.1	8.0
-	-	-	-	-	-	-	-	-	0.0	-	-
-	-	-	-	-	0.0	-	-	-	-	-	-
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

10a Nilai Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan
Import Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually

Keterangan Description		2015	2016	2017	2018	2019	2020	2021	2022 ^f
(A) Nilai (RM Juta) <i>Value (RM Million)</i>									
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>		12,885	11,697	16,988	23,085	26,818	19,340	14,408	53,783
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>		57,679	49,279	71,743	81,482	72,526	56,240	82,911	136,762
Gas Asli Cecair <i>Liquefied Natural Gas</i>		2,839	1,563	2,598	2,734	5,480	4,904	1,462	9,591
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>									
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>		-48.4	-9.2	45.2	35.9	16.2	-27.9	-25.5	273.3
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>		-22.7	-14.6	45.6	13.6	-11.0	-22.5	47.4	65.0
Gas Asli Cecair <i>Liquefied Natural Gas</i>		-32.7	-44.9	66.3	5.2	100.5	-10.5	-70.2	555.9

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^f Muktamad / Final

10b Nilai Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Import Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description	2015				2016				2017			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) <i>Value (RM Million)</i>												
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	3,395	3,918	3,781	1,790	2,330	2,230	3,510	3,627	4,712	4,146	3,103	5,026
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	13,531	12,447	17,465	14,236	9,934	12,597	12,249	14,499	17,148	16,685	19,108	18,801
Gas Asli Cecair <i>Liquefied Natural Gas</i>	810	581	701	747	326	324	445	468	338	945	766	551
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>												
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-53.9	-40.0	-36.2	-65.4	-31.4	-43.1	-7.2	102.7	102.2	85.9	-11.6	38.6
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-29.2	-36.2	-4.8	-19.0	-26.6	1.2	-29.9	1.8	72.6	32.4	56.0	29.7
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-20.7	-43.1	-31.5	-35.2	-59.7	-44.3	-36.5	-37.3	3.5	192.0	72.1	17.6
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>												
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-34.4	15.4	-3.5	-52.7	30.2	-4.3	57.4	3.4	29.9	-12.0	-25.1	62.0
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-23.0	-8.0	40.3	-18.5	-30.2	26.8	-2.8	18.4	18.3	-2.7	14.5	-1.6
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-29.8	-28.2	20.7	6.5	-56.3	-0.8	37.5	5.3	-27.9	179.9	-18.9	-28.1

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

10b Nilai Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Import Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan / Description	2018				2019				2020	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) <i>Value (RM Million)</i>										
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	4,255	6,029	6,588	6,214	6,564	7,617	6,875	5,762	10,130	2,516
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	17,707	21,070	18,613	24,092	14,820	20,069	17,308	20,329	19,088	10,666
Gas Asli Cecair <i>Liquefied Natural Gas</i>	225	788	439	1,282	446	1,862	1,921	1,251	1,325	1,871
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>										
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-9.7	45.4	112.3	23.6	54.3	26.4	4.4	-7.3	54.3	-67.0
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	3.3	26.3	-2.6	28.1	-16.3	-4.8	-7.0	-15.6	28.8	-46.9
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-33.3	-16.6	-42.7	132.8	97.9	136.3	338.0	-2.4	197.3	0.5
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>										
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-15.3	41.7	9.3	-5.7	5.6	16.0	-9.7	-16.2	75.8	-75.2
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-5.8	19.0	-11.7	29.4	-38.5	35.4	-13.8	17.5	-6.1	-44.1
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-59.1	249.8	-44.4	192.3	-65.2	317.8	3.1	-34.9	6.0	41.2

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^f Muktamad / Final

^p Awalan / Preliminary

2020		2021				2022 ¹				2023 ^p	
III	IV	I	II	III	IV	I	II	III	IV	I	II
4,202	2,492	2,419	4,310	5,015	2,664	8,983	11,118	17,769	15,913	14,230	16,842
12,548	13,938	16,388	22,653	19,940	23,929	22,415	35,637	45,437	33,273	30,900	33,327
1,193	514	553	492	230	187	1,280	1,929	3,680	2,702	1,892	1,131
-38.9	-56.8	-76.1	71.3	19.3	6.9	271.3	157.9	254.4	497.3	58.4	51.5
-27.5	-31.4	-14.1	112.4	58.9	71.7	36.8	57.3	127.9	39.0	37.9	-6.5
-37.9	-58.9	-58.3	-73.7	-80.7	-63.6	131.5	292.2	1,498.0	1,343.4	47.8	-41.4
67.0	-40.7	-2.9	78.2	16.3	-46.9	237.2	23.8	59.8	-10.4	-10.6	18.4
17.6	11.1	17.6	38.2	-12.0	20.0	-6.3	59.0	27.5	-26.8	-7.1	7.9
-36.2	-56.9	7.5	-11.0	-53.2	-18.7	583.6	50.8	90.8	-26.6	-30.0	-40.2

11a Volum Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan
Imports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021	2022 ^f
(A) Nilai (RM Juta) Value (RM Million)								
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	9,245	9,874	10,379	10,476	13,429	12,405	6,540	15,681
Keluaran Petroleum Bertapis Refined Petroleum Products	29,516	32,383	36,421	34,939	31,267	37,239	35,504	35,936
Gas Asli Cecair Liquefied Natural Gas	1,399	1,015	1,409	1,211	2,466	2,637	852	2,901
(B) Perubahan Peratusan Tahunan Annual Percentage Change								
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-11.4	6.8	5.1	0.9	28.2	-7.6	-47.3	139.8
Keluaran Petroleum Bertapis Refined Petroleum Products	10.8	9.7	12.5	-4.1	-10.5	19.1	-4.7	1.2
Gas Asli Cecair Liquefied Natural Gas	-9.2	-27.5	38.9	-14.1	103.7	6.9	-67.7	240.4

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^f Muktamad / Final

11b Volum Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Imports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description	2015				2016				2017			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) Value (RM Million)												
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	2,518	2,640	2,675	1,412	2,485	2,121	2,655	2,614	2,973	2,591	1,996	2,819
Keluaran Petroleum Bertapis Refined Petroleum Products	6,588	6,018	8,800	8,110	6,779	9,645	7,668	8,290	8,864	9,147	9,466	8,943
Gas Asli Cecair Liquefied Natural Gas	314	328	380	377	184	232	314	285	196	507	391	315
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year												
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-10.8	-1.6	9.4	-43.2	-1.3	-19.7	-0.8	85.1	19.7	22.1	-24.8	7.8
Keluaran Petroleum Bertapis Refined Petroleum Products	0.2	-11.5	32.3	22.8	2.9	60.3	-12.9	2.2	30.8	-5.2	23.4	7.9
Gas Asli Cecair Liquefied Natural Gas	-13.4	-10.4	-0.7	-12.4	-41.4	-29.2	-17.4	-24.4	6.3	118.7	24.6	10.6
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter												
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	1.3	4.9	1.3	-47.2	76.0	-14.6	25.2	-1.5	13.7	-12.9	-23.0	41.3
Keluaran Petroleum Bertapis Refined Petroleum Products	-0.2	-8.7	46.2	-7.8	-16.4	42.3	-20.5	8.1	6.9	3.2	3.5	-5.5
Gas Asli Cecair Liquefied Natural Gas	-26.9	4.3	15.9	-0.9	-51.1	26.0	35.2	-9.2	-31.3	159.3	-23.0	-19.4

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

11b Volum Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan
Imports Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly

Keterangan Description	2018				2019				2020	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) Value (RM Million)										
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	2,108	2,870	2,874	2,625	3,516	3,627	3,521	2,765	5,111	2,248
Keluaran Petroleum Bertapis Refined Petroleum Products	8,447	9,323	7,855	9,314	7,007	8,257	7,432	8,570	8,680	8,342
Gas Asli Cecair Liquefied Natural Gas	129	383	195	504	248	801	819	598	659	792
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year										
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-29.1	10.8	44.0	-6.9	66.8	26.4	22.5	5.3	45.4	-38.0
Keluaran Petroleum Bertapis Refined Petroleum Products	-4.7	1.9	-17.0	4.1	-17.0	-11.4	-5.4	-8.0	23.9	1.0
Gas Asli Cecair Liquefied Natural Gas	-34.0	-24.6	-50.1	59.9	92.0	109.3	319.6	18.8	165.6	-1.1
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter										
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-25.2	36.2	0.1	-8.7	34.0	3.2	-2.9	-21.5	84.9	-56.0
Keluaran Petroleum Bertapis Refined Petroleum Products	-5.6	10.4	-15.7	18.6	-24.8	17.9	-10.0	15.3	1.3	-3.9
Gas Asli Cecair Liquefied Natural Gas	-59.0	196.3	-49.0	158.1	-50.8	223.1	2.2	-26.9	10.1	20.3

Sumber : Perangkaan Perdagangan Luar Negeri Bulanan
Source : Monthly External Trade Statistics

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

2020		2021				2022 ¹				2023 ^p	
III	IV	I	II	III	IV	I	II	III	IV	I	II
3,024	2,022	1,365	2,061	2,085	1,029	3,170	3,000	4,711	4,800	5,065	5,969
10,818	9,399	9,085	9,942	8,127	8,351	7,117	8,610	11,035	9,174	9,115	10,158
759	427	364	299	109	80	481	667	1,062	691	529	332
-14.1	-26.9	-73.3	-8.3	-31.1	-49.1	132.2	45.6	125.9	366.5	59.8	99.0
45.6	9.7	4.7	19.2	-24.9	-11.2	-21.7	-13.4	35.8	9.9	28.1	18.0
-7.3	-28.6	-44.7	-62.2	-85.6	-81.3	32.1	122.9	874.4	763.6	10.1	-50.3
34.5	-33.1	-32.5	50.9	1.2	-50.6	208.1	-5.4	57.0	1.9	5.5	17.8
29.7	-13.1	-3.3	9.4	-18.3	2.8	-14.8	21.0	28.2	-16.9	-0.6	11.4
-4.2	-43.7	-14.8	-17.8	-63.6	-26.6	501.1	38.7	59.2	-34.9	-23.4	-37.4

12a Nilai Import Petroleum Mentah dan Kondensat mengikut Negara Asal - Tahunan
Import Value of Crude Oil and Condensate by Country of Origin - Annually

Keterangan Description	2018	2019	2020	2021 ^f	2022 ^p
(A) Nilai (RM Juta) <i>Value (RM Million)</i>					
Argentina	-	-	-	-	-
Australia	937	2,144	1,271	660	1,255
Brazil	135	69	543	735	724
Brunei Darussalam	714	41	0	308	355
Cameroon	-	-	-	-	-
China	-	-	-	-	320
Colombia	169	-	167	-	-
Congo	86	546	-	255	944
Gabon	207	713	147	788	1,446
Indonesia	1,395	242	68	292	163
Kuwait	789	298	216	309	2,616
Mozambique	-	-	-	-	-
Norway	-	-	-	-	-
Oman	582	144	638	479	487
Qatar	716	454	-	328	1,513
Saudi Arabia	7,047	9,300	8,187	2,995	28,272
Sudan	-	-	-	463	726
Thailand	-	153	490	228	1,492
United Arab Emirates	1,164	4,251	1,532	1,556	8,593
United States	953	221	1,639	-	622
Other countries	6,753	8,243	4,442	5,012	4,256
Jumlah / Total	21,646	26,818	19,340	14,408	53,783
(B) Peratusan Sumbangan <i>Percentage Share</i>					
Argentina	-	-	-	-	-
Australia	4.3	8.0	6.6	4.6	2.3
Brazil	0.6	0.3	2.8	5.1	1.3
Brunei Darussalam	3.3	0.2	0.0	2.1	0.7
Cameroon	-	-	-	-	-
China	-	-	-	-	0.6
Colombia	0.8	-	0.9	-	-
Congo	0.4	2.0	-	1.8	1.8
Gabon	1.0	2.7	0.8	5.5	2.7
Indonesia	6.4	0.9	0.4	2.0	0.3
Kuwait	3.6	1.1	1.1	2.1	4.9
Mozambique	-	-	-	-	-
Norway	-	-	-	-	-
Oman	2.7	0.5	3.3	3.3	0.9
Qatar	3.3	1.7	-	2.3	2.8
Saudi Arabia	32.6	34.7	42.3	20.8	52.6
Sudan	-	-	-	3.2	1.3
Thailand	-	0.6	2.5	1.6	2.8
United Arab Emirates	5.4	15.8	7.9	10.8	16.0
United States	4.4	0.8	8.5	-	1.2
Other countries	31.2	30.7	23.0	34.8	7.9
Jumlah / Total	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

Nilai Import Petroleum Mentah dan Kondensat mengikut Negara Asal - Suku Tahunan

Import Value of Crude Petroleum and Condensate by Country of Origin - Quarterly

Keterangan Description	2018				2019				2020			
	I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Nilai (RM Juta) Value (RM Million)												
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Australia	361	233	222	120	294	520	863	468	832	28	341	70
Brazil	-	-	135	-	69	-	-	-	27	224	117	174
Brunei Darussalam	173	254	10	276	10	15	16	-	-	-	0	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	169	-	-	-	-	110	57	-	-
Congo	86	-	-	-	-	-	546	-	-	-	-	-
Gabon	119	-	-	88	288	-	214	210	-	-	-	147
Indonesia	477	352	413	153	177	65	-	-	-	34	34	-
Kuwait	-	293	335	161	133	165	-	-	163	53	-	-
Mozambique	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	293	168	121	-	-	144	-	182	40	305	111
Qatar	-	-	170	546	-	454	-	-	-	-	-	-
Saudi Arabia	1,037	2,183	1,845	1,981	3,226	2,914	1,961	1,200	5,016	589	1,773	809
Sudan	-	-	-	-	-	-	-	-	-	-	-	-
Thailand	-	-	-	-	-	-	80	73	247	24	113	106
United Arab Emirates	364	317	259	224	268	288	861	2,833	283	295	590	364
United States	-	-	843	109	-	221	-	-	1,278	206	155	-
Other countries	1,534	1,879	1,591	1,750	2,099	2,975	2,191	977	1,990	966	774	712
Jumlah / Total	4,151	5,805	5,992	5,698	6,564	7,617	6,875	5,762	10,130	2,516	4,202	2,492
(B) Peratusan Sumbangan Percentage Share												
Argentina	-	-	-	-	-	-	-	-	-	-	-	-
Australia	8.7	4.0	3.7	2.1	4.5	6.8	12.5	8.1	8.2	1.1	8.1	2.8
Brazil	-	-	2.3	-	1.1	-	-	-	0.3	8.9	2.8	7.0
Brunei Darussalam	4.2	4.4	0.2	4.8	0.2	0.2	0.2	-	-	-	0.0	-
Cameroon	-	-	-	-	-	-	-	-	-	-	-	-
China	-	-	-	-	-	-	-	-	-	-	-	-
Colombia	-	-	-	3.0	-	-	-	-	1.1	2.2	-	-
Congo	2.1	-	-	-	-	-	7.9	-	-	-	-	-
Gabon	2.9	-	-	1.5	4.4	-	3.1	3.7	-	-	-	5.9
Indonesia	11.5	6.1	6.9	2.7	2.7	0.9	-	-	-	1.4	0.8	-
Kuwait	-	5.0	5.6	2.8	2.0	2.2	-	-	1.6	2.1	-	-
Mozambique	-	-	-	-	-	-	-	-	-	-	-	-
Norway	-	-	-	-	-	-	-	-	-	-	-	-
Oman	-	5.0	2.8	2.1	-	-	2.1	-	1.8	1.6	7.3	4.5
Qatar	-	-	2.8	9.6	-	6.0	-	-	-	-	-	-
Saudi Arabia	25.0	37.6	30.8	34.8	49.1	38.3	28.5	20.8	49.5	23.4	42.2	32.5
Sudan	-	-	-	-	-	-	-	-	-	-	-	-
Thailand	-	-	-	-	-	-	1.2	1.3	2.4	1.0	2.7	4.2
United Arab Emirates	8.8	5.5	4.3	3.9	4.1	3.8	12.5	49.2	2.8	11.7	14.0	14.6
United States	-	-	14.1	1.9	-	2.9	-	-	12.6	8.2	3.7	-
Other countries	36.9	32.4	26.5	30.7	32.0	39.1	31.9	17.0	19.6	38.4	18.4	28.6
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)

Source : Department of Statistics, Malaysia (DOSM)

Nilai Import Petroleum Mentah dan Kondensat mengikut Negara Asal - Suku Tahunan

Import Value of Crude Petroleum and Condensate by Country of Origin - Quarterly

Keterangan Description	2021				2022 ^f				2023 ^p	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) Value (RM Million)										
Argentina	-	-	-	-	-	-	-	-	-	321
Australia	231	204	49	177	44	103	735	372	960	146
Brazil	73	232	209	220	132	214	172	206	202	216
Brunei Darussalam	-	-	8	300	292	3	46	15	26	255
Cameroon	-	-	-	-	-	-	-	-	-	396
China	-	-	-	-	-	-	187	133	-	87
Colombia	-	-	-	-	-	-	-	-	79	723
Congo	-	255	-	-	493	-	450	-	-	387
Gabon	326	210	-	252	370	501	574	-	298	-
Indonesia	-	84	208	-	-	-	-	163	169	-
Kuwait	-	148	161	-	358	231	745	1,282	612	642
Mozambique	-	-	-	-	-	-	-	-	100	74
Norway	-	-	-	-	-	-	-	-	28	0
Oman	332	-	-	147	-	228	87	172	348	185
Qatar	131	13	184	-	559	694	260	-	-	406
Saudi Arabia	508	1,023	1,464	-	3,003	5,399	10,075	9,796	7,518	9,510
Sudan	140	-	179	144	-	-	158	568	478	431
Thailand	74	-	-	154	349	475	443	224	101	470
United Arab Emirates	475	295	283	504	1,537	2,360	2,631	2,065	2,436	2,276
United States	-	-	-	-	-	0	622	-	813	316
Other countries	129	1,845	2,272	765	1,845	909	584	917	62	-
Jumlah / Total	2,419	4,310	5,015	2,664	8,983	11,118	17,769	15,913	14,230	16,842
(B) Peratusan Sumbangan Percentage Share										
Argentina	-	-	-	-	-	-	-	-	-	1.9
Australia	9.5	4.7	1.0	6.4	0.5	0.9	4.1	2.3	6.7	0.9
Brazil	3.0	5.4	4.2	8.0	1.5	1.9	1.0	1.3	1.4	1.3
Brunei Darussalam	-	-	0.2	10.9	3.2	0.0	0.3	0.1	0.2	1.5
Cameroon	-	-	-	-	-	-	-	-	-	2.3
China	-	-	-	1.9	-	-	1.1	0.8	-	0.5
Colombia	-	-	-	-	-	-	-	-	0.6	4.3
Congo	-	5.9	-	-	5.5	-	2.5	-	-	2.3
Gabon	13.5	4.9	-	9.1	4.1	4.5	3.2	-	2.1	-
Indonesia	-	2.0	4.1	-	-	-	-	1.0	1.2	-
Kuwait	-	3.4	3.2	-	4.0	2.1	4.2	8.1	4.3	3.8
Mozambique	-	-	-	-	-	-	-	-	0.7	0.4
Norway	-	-	-	-	-	-	-	-	0.2	0.0
Oman	13.7	-	-	5.3	-	2.0	0.5	1.1	2.4	1.1
Qatar	5.4	0.3	3.7	-	6.2	6.2	1.5	-	-	2.4
Saudi Arabia	21.0	23.7	29.2	-	33.4	48.6	56.7	61.6	52.8	56.5
Sudan	5.8	-	3.6	5.2	-	-	0.9	3.6	3.4	2.6
Thailand	3.1	-	-	5.6	3.9	4.3	2.5	1.4	0.7	2.8
United Arab Emirates	19.6	6.8	5.6	18.2	17.1	21.2	14.8	13.0	17.1	13.5
United States	-	-	-	-	-	0.0	3.5	-	5.7	1.9
Other countries	5.3	42.8	45.3	29.4	20.5	8.2	3.3	5.8	0.4	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)

Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p Awalan / Preliminary^f Muktamad / Final

13a Nilai Import Keluaran Petroleum Bertapis mengikut Negara Asal - Tahunan

Import Value of Refined Petroleum Products by Country of Origin - Annually

Keterangan Description		2018	2019	2020	2021	2022 [†]
(A) Nilai (RM Juta) Value (RM Million)						
Bahrain		65	145	449	100	263
Bangladesh		98	0	3	161	5
Brunei Darussalam		14	138	558	1,226	1,905
China		7,148	9,993	7,442	12,137	17,656
Greece		0	0	16	98	395
India		9,705	5,296	4,982	6,182	7,572
Indonesia		1,178	1,601	2,201	2,591	4,395
Japan		1,437	1,504	1,273	2,186	3,600
Korea, Republic Of		5,763	6,813	5,923	10,878	16,301
Netherlands		724	1,189	167	461	1,329
Oman		13	264	468	1,759	2,967
Philippines		255	185	288	258	537
Qatar		667	576	411	55	689
Russian Federation		1,339	691	843	720	4,677
Saudi Arabia		3,322	2,440	2,535	3,328	3,479
Singapore		37,210	28,278	16,487	24,948	49,163
Taiwan, Province Of China		1,703	2,109	924	4,546	8,047
Thailand		1,561	1,986	869	1,568	2,174
Turkiye		0	0	251	93	511
United Arab Emirates		4,291	5,405	4,454	3,989	6,132
Other countries		4,987	3,912	5,697	5,626	4,965
Jumlah / Total		81,482	72,526	56,240	82,911	136,762
(B) Peratusan Sumbangan Percentage Share						
Bahrain		0.1	0.2	0.8	0.1	0.2
Bangladesh		0.1	0.0	0.0	0.2	0.0
Brunei Darussalam		0.0	0.2	1.0	1.5	1.4
China		8.8	13.8	13.2	14.6	12.9
Greece		0.0	0.0	0.0	0.1	0.3
India		11.9	7.3	8.9	7.5	5.5
Indonesia		1.4	2.2	3.9	3.1	3.2
Japan		1.8	2.1	2.3	2.6	2.6
Korea, Republic Of		7.1	9.4	10.5	13.1	11.9
Netherlands		0.9	1.6	0.3	0.6	1.0
Oman		0.0	0.4	0.8	2.1	2.2
Philippines		0.3	0.3	0.5	0.3	0.4
Qatar		0.8	0.8	0.7	0.1	0.5
Russian Federation		1.6	1.0	1.5	0.9	3.4
Saudi Arabia		4.1	3.4	4.5	4.0	2.5
Singapore		45.7	39.0	29.3	30.1	35.9
Taiwan, Province Of China		2.1	2.9	1.6	5.5	5.9
Thailand		1.9	2.7	1.5	1.9	1.6
Turkiye		0.0	0.0	0.4	0.1	0.4
United Arab Emirates		5.3	7.5	7.9	4.8	4.5
Other countries		6.1	5.4	10.1	6.8	3.6
Jumlah / Total		100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

[†] Muktamad / Final

Nilai Import Keluaran Petroleum Bertapis mengikut Negara Asal - Suku Tahunan
Import Value of Refined Petroleum Products by Country of Origin - Quarterly

Keterangan Description	2018				2019				2020	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) <i>Value (RM Million)</i>										
Bahrain	0	0	-	65	-	-	-	145	143	0
Bangladesh	98	-	-	-	-	0	0	-	-	3
Brunei Darussalam	8	1	5	1	1	0	0	137	151	113
China	1,888	3,247	1,212	802	2,794	2,469	1,950	2,781	3,176	1,598
Greece	-	0	0	-	0	0	-	0	-	0
India	2,109	2,251	2,086	3,259	396	1,614	1,651	1,635	829	1,197
Indonesia	223	166	133	656	231	686	406	278	399	615
Japan	417	668	206	146	142	331	214	816	676	226
Korea, Republic Of	878	1,536	1,428	1,922	1,250	1,778	2,391	1,395	2,626	1,142
Netherlands	56	4	85	580	247	683	5	254	5	55
Oman	-	13	-	0	-	157	-	108	101	44
Philippines	61	1	31	163	23	13	62	87	90	155
Qatar	133	121	140	273	105	62	362	47	93	84
Russian Federation	239	410	147	544	104	330	163	94	371	141
Saudi Arabia	209	886	656	1,571	371	775	635	660	173	718
Singapore	8,666	8,441	9,570	10,534	6,315	7,448	6,259	8,255	6,534	2,461
Taiwan, Province Of China	428	504	359	412	280	999	396	433	424	220
Thailand	316	391	456	398	394	486	408	697	299	213
Turkiye	0	0	-	0	0	0	0	0	0	0
United Arab Emirates	1,043	1,272	710	1,266	1,388	1,105	1,203	1,710	1,105	739
Other countries	937	1,159	1,391	1,501	778	1,132	1,203	798	1,893	943
Jumlah / Total	17,707	21,070	18,613	24,092	14,820	20,069	17,308	20,329	19,088	10,666
(B) Peratusan Sumbangan <i>Percentage Share</i>										
Bahrain	0.0	0.0	-	0.3	-	-	-	0.7	0.7	0.0
Bangladesh	0.6	-	-	-	-	0.0	0.0	-	-	0.0
Brunei Darussalam	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.8	1.1
China	10.7	15.4	6.5	3.3	18.9	12.3	11.3	13.7	16.6	15.0
Greece	-	0.0	0.0	-	0.0	0.0	-	0.0	-	0.0
India	11.9	10.7	11.2	13.5	2.7	8.0	9.5	8.0	4.3	11.2
Indonesia	1.3	0.8	0.7	2.7	1.6	3.4	2.3	1.4	2.1	5.8
Japan	2.4	3.2	1.1	0.6	1.0	1.7	1.2	4.0	3.5	2.1
Korea, Republic Of	5.0	7.3	7.7	8.0	8.4	8.9	13.8	6.9	13.8	10.7
Netherlands	0.3	0.0	0.5	2.4	1.7	3.4	0.0	1.3	0.0	0.5
Oman	-	0.1	-	0.0	-	0.8	-	0.5	0.5	0.4
Philippines	0.3	0.0	0.2	0.7	0.2	0.1	0.4	0.4	0.5	1.5
Qatar	0.8	0.6	0.8	1.1	0.7	0.3	2.1	0.2	0.5	0.8
Russian Federation	1.3	1.9	0.8	2.3	0.7	1.6	0.9	0.5	1.9	1.3
Saudi Arabia	1.2	4.2	3.5	6.5	2.5	3.9	3.7	3.2	0.9	6.7
Singapore	48.9	40.1	51.4	43.7	42.6	37.1	36.2	40.6	34.2	23.1
Taiwan, Province Of China	2.4	2.4	1.9	1.7	1.9	5.0	2.3	2.1	2.2	2.1
Thailand	1.8	1.9	2.5	1.7	2.7	2.4	2.4	3.4	1.6	2.0
Turkiye	0.0	0.0	-	0.0	0.0	0.0	0.0	0.0	0.0	0.0
United Arab Emirates	5.9	6.0	3.8	5.3	9.4	5.5	7.0	8.4	5.8	6.9
Other countries	5.3	5.5	7.5	6.2	5.3	5.6	7.0	3.9	9.9	8.8
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)
Nota / Notes :
^p **Awalan / Preliminary**
^f **Muktamad / Final**

2020		2021				2022 ^f				2023 ^p	
III	IV	I	II	III	IV	I	II	III	IV	I	II
224	82	60	40	0	0	15	102	-	146	27	128
-	-	90	-	71	-	-	5	-	-	104	236
209	85	218	569	380	59	186	434	849	436	293	43
1,021	1,647	3,502	4,752	2,404	1,479	2,799	3,936	4,790	6,130	7,333	3,726
-	16	0	59	40	-	0	0	394	0	74	758
1,554	1,401	1,442	2,506	871	1,364	2,238	1,761	2,683	889	635	2,498
633	554	695	751	621	524	846	540	1,389	1,620	664	770
157	213	397	413	270	1,106	619	584	1,362	1,035	1,139	1,057
647	1,507	1,532	2,117	2,517	4,712	2,681	5,076	4,680	3,864	3,979	3,851
103	5	20	5	205	230	285	912	125	7	50	4
70	254	245	673	475	367	552	1,073	978	365	91	-
1	42	39	7	123	89	146	225	68	97	51	6
73	162	2	31	1	21	4	248	337	101	146	528
138	193	74	352	258	37	304	1,396	1,823	1,154	943	2,389
1,084	560	563	588	644	1,533	667	688	1,357	767	1,194	1,487
4,239	3,254	3,977	6,111	6,414	8,445	7,200	13,254	16,599	12,110	10,168	10,369
242	37	240	1,169	1,964	1,173	722	2,226	3,344	1,755	1,453	1,721
196	161	466	177	409	517	214	511	1,098	352	404	227
66	185	0	93	0	0	0	0	0	510	0	101
1,199	1,412	1,225	666	909	1,189	1,221	1,521	1,982	1,408	1,187	2,612
692	2,169	1,602	1,575	1,364	1,085	1,716	1,144	1,579	526	965	816
12,548	13,938	16,388	22,653	19,940	23,929	22,415	35,637	45,437	33,273	30,900	33,327

1.8	0.6	0.4	0.2	0.0	0.0	0.1	0.3	-	0.4	0.1	0.4
-	-	0.6	-	0.4	-	-	0.0	-	-	0.3	0.7
1.7	0.6	1.3	2.5	1.9	0.2	0.8	1.2	1.9	1.3	0.9	0.1
8.1	11.8	21.4	21.0	12.1	6.2	12.5	11.0	10.5	18.4	23.7	11.2
-	0.1	0.0	0.3	0.2	-	0.0	0.0	0.9	0.0	0.2	2.3
12.4	10.1	8.8	11.1	4.4	5.7	10.0	4.9	5.9	2.7	2.1	7.5
5.0	4.0	4.2	3.3	3.1	2.2	3.8	1.5	3.1	4.9	2.1	2.3
1.3	1.5	2.4	1.8	1.4	4.6	2.8	1.6	3.0	3.1	3.7	3.2
5.2	10.8	9.3	9.3	12.6	19.7	12.0	14.2	10.3	11.6	12.9	11.6
0.8	0.0	0.1	0.0	1.0	1.0	1.3	2.6	0.3	0.0	0.2	0.0
0.6	1.8	1.5	3.0	2.4	1.5	2.5	3.0	2.2	1.1	0.3	-
0.0	0.3	0.2	0.0	0.6	0.4	0.7	0.6	0.2	0.3	0.2	0.0
0.6	1.2	0.0	0.1	0.0	0.1	0.0	0.7	0.7	0.3	0.5	1.6
1.1	1.4	0.4	1.6	1.3	0.2	1.4	3.9	4.0	3.5	3.1	7.2
8.6	4.0	3.4	2.6	3.2	6.4	3.0	1.9	3.0	2.3	3.9	4.5
33.8	23.3	24.3	27.0	32.2	35.3	32.1	37.2	36.5	36.4	32.9	31.1
1.9	0.3	1.5	5.2	9.9	4.9	3.2	6.2	7.4	5.3	4.7	5.2
1.6	1.2	2.8	0.8	2.0	2.2	1.0	1.4	2.4	1.1	1.3	0.7
0.5	1.3	0.0	0.4	0.0	0.0	0.0	0.0	0.0	1.5	0.0	0.3
9.6	10.1	7.5	2.9	4.6	5.0	5.4	4.3	4.4	4.2	3.8	7.8
5.5	15.6	9.8	7.0	6.8	4.5	7.7	3.2	3.5	1.6	3.1	2.4
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Nilai Import Gas Asli Cecair (LNG) mengikut Negara Asal - Tahunan
Import Value of Liquefied Natural Gas (LNG) by Country of Origin - Annually

Keterangan Description		2018	2019	2020	2021	2022 ^f
(A) Nilai (RM Juta) <i>Value (RM Million)</i>						
Australia		1,924	3,587	3,612	1,222	6,804
Brunei Darussalam		810	1,618	1,131	166	2,741
Equatorial Guinea		-	74	-	-	-
Indonesia		-	-	-	-	46
Nigeria		-	60	79	74	-
Singapore		0	-	82	-	-
United States		-	140	-	-	0
Jumlah / Total		2,734	5,480	4,904	1,462	9,591
(B) Peratusan Sumbangan <i>Percentage Share</i>						
Australia		70.4	65.5	73.7	83.6	70.9
Brunei Darussalam		29.6	29.5	23.1	11.3	28.6
Equatorial Guinea		-	1.4	-	-	-
Indonesia		-	-	-	-	0.5
Nigeria		-	1.1	1.6	5.1	-
Singapore		0.0	-	1.7	-	-
United States		-	2.6	-	-	0.0
Jumlah / Total		100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^f **Muktamad / Final**

Nilai Import Gas Asli Cecair (LNG) mengikut Negara Asal - Suku Tahunan
Import Value of Liquefied Natural Gas (LNG) by Country of Origin - Quarterly

Keterangan Description		2018				2019				2020			
		I	II	III	IV	I	II	III	IV	I	II	III	IV
(A)	Nilai (RM Juta) <i>Value (RM Million)</i>												
	Australia	123	539	288	974	287	1,280	1,045	976	963	1,695	587	368
	Brunei Darussalam	103	249	150	308	159	583	876	-	280	176	606	68
	Equatorial Guinea	-	-	-	-	-	-	-	74	-	-	-	-
	Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
	Nigeria	-	-	-	-	-	-	-	60	-	-	-	79
	Singapore	-	0	-	-	-	-	-	-	82	-	-	-
	United States	-	-	-	-	-	-	-	140	-	-	-	-
	Jumlah / Total	225	788	439	1,282	446	1,862	1,921	1,251	1,325	1,871	1,193	514
(B)	Peratusan Sumbangan <i>Percentage Share</i>												
	Australia	54.4	68.4	65.7	76.0	64.3	68.7	54.4	78.0	72.6	90.6	49.2	71.5
	Brunei Darussalam	45.6	31.6	34.3	24.0	35.7	31.3	45.6	-	21.2	9.4	50.8	13.2
	Equatorial Guinea	-	-	-	-	-	-	-	5.9	-	-	-	-
	Indonesia	-	-	-	-	-	-	-	-	-	-	-	-
	Nigeria	-	-	-	-	-	-	-	4.8	-	-	-	15.4
	Singapore	-	0.0	-	-	-	-	-	-	6.2	-	-	-
	United States	-	-	-	-	-	-	-	11.2	-	-	-	-
	Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nilai Import Gas Asli Cecair (LNG) mengikut Negara Asal - Suku Tahunan
Import Value of Liquefied Natural Gas (LNG) by Country of Origin - Quarterly

Keterangan Description	2021				2022 ^f				2023 ^p	
	I	II	III	IV	I	II	III	IV	I	II
(A) Nilai (RM Juta) <i>Value (RM Million)</i>										
Australia	478	492	118	133	1,142	1,376	2,381	1,905	1,666	906
Brunei Darussalam	-	-	112	54	137	553	1,300	751	226	225
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	46	-	-
Nigeria	74	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
United States	-	-	-	-	-	-	0	-	-	-
Jumlah / Total	553	492	230	187	1,280	1,929	3,680	2,702	1,892	1,131
(B) Peratusan Sumbangan <i>Percentage Share</i>										
Australia	86.5	100.0	51.4	71.3	89.3	71.3	64.7	70.5	88.1	80.1
Brunei Darussalam	-	-	48.6	28.7	10.7	28.7	35.3	27.8	11.9	19.9
Equatorial Guinea	-	-	-	-	-	-	-	-	-	-
Indonesia	-	-	-	-	-	-	-	1.7	-	-
Nigeria	13.5	-	-	-	-	-	-	-	-	-
Singapore	-	-	-	-	-	-	-	-	-	-
United States	-	-	-	-	-	-	0.0	-	-	-
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Jabatan Perangkaan Malaysia (DOSM)
Source : Department of Statistics, Malaysia (DOSM)

Nota / Notes :

^p **Awalan / Preliminary**

^f **Muktamad / Final**

Keterangan <i>Description</i>	2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p
(A) Nilai (RM Juta) <i>Value (RM Million)</i>								
Pertanian / Agriculture	97,539	105,756	117,995	108,757	109,542	115,834	148,301	159,803
Perlombongan dan Pengkuarian <i>Mining and Quarrying</i>	103,059	103,959	121,326	134,833	131,084	96,172	124,355	176,870
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>	46,526	46,023	58,254	70,800	64,285	39,011	55,325	77,325
Gas Asli / <i>Natural Gas</i>	49,119	49,722	53,908	54,290	56,035	47,923	59,834	89,053
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan <i>Other Mining & Quarrying and Supporting Services</i>	7,414	8,214	9,164	9,743	10,764	9,237	9,195	10,492
Pembuatan / Manufacturing	262,379	272,396	299,797	311,676	323,862	315,360	362,301	419,062
Produk Petroleum Bertapis <i>Refined Petroleum Products</i>	34,341	32,404	39,791	45,228	47,481	42,119	55,636	69,580
Pembinaan / Construction	55,382	61,089	66,552	70,048	71,067	57,657	55,717	60,816
Perkhidmatan / Services	643,883	689,969	747,360	804,993	860,130	817,053	841,201	955,993
Tambah Duti Import / Plus Import Duties	14,699	16,529	19,280	17,453	17,053	15,755	17,023	18,812
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	1,176,941	1,249,698	1,372,310	1,447,760	1,512,738	1,418,491	1,548,898	1,791,358
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>								
Pertanian / Agriculture	-0.1	8.4	11.6	-7.8	0.7	5.7	28.0	7.8
Perlombongan dan Pengkuarian <i>Mining and Quarrying</i>	-4.9	0.9	16.7	11.1	-2.8	-26.6	29.3	42.2
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>	-9.7	-1.1	26.6	21.5	-9.2	-39.3	41.8	39.8
Gas Asli / <i>Natural Gas</i>	-3.0	1.2	8.4	0.7	3.2	-14.5	24.9	48.8
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan <i>Other Mining & Quarrying and Supporting Services</i>	20.4	10.8	11.6	6.3	10.5	-14.2	-0.5	14.1
Pembuatan / Manufacturing	4.0	3.8	10.1	4.0	3.9	-2.6	14.9	15.7
Produk Petroleum Bertapis <i>Refined Petroleum Products</i>	-10.5	-5.6	22.8	13.7	5.0	-11.3	32.1	25.1
Pembinaan / Construction	11.5	10.3	8.9	5.3	1.5	-18.9	-3.4	9.2
Perkhidmatan / Services	6.7	7.2	8.3	7.7	6.8	-4.9	2.9	13.6
Tambah Duti Import / Plus Import Duties	23.0	12.4	16.6	-9.5	-2.3	-7.6	8.0	10.5
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	4.7	6.2	9.8	5.5	4.5	-6.2	9.2	15.7
(C) Peratusan Sumbangan kepada KDNK <i>Percentage Share to GDP</i>								
Pertanian / Agriculture	8.3	8.5	8.6	7.5	7.2	8.2	9.6	8.9
Perlombongan dan Pengkuarian <i>Mining and Quarrying</i>	8.8	8.3	8.8	9.3	8.7	6.8	8.0	9.9
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>	4.0	3.7	4.2	4.9	4.2	2.8	3.6	4.3
Gas Asli / <i>Natural Gas</i>	4.2	4.0	3.9	3.7	3.7	3.4	3.9	5.0
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan <i>Other Mining & Quarrying and Supporting Services</i>	0.6	0.7	0.7	0.7	0.7	0.7	0.6	0.6
Pembuatan / Manufacturing	22.3	21.8	21.8	21.5	21.4	22.2	23.4	23.4
Produk Petroleum Bertapis <i>Refined Petroleum Products</i>	2.9	2.6	2.9	3.1	3.1	3.0	3.6	3.9
Pembinaan / Construction	4.7	4.9	4.8	4.8	4.7	4.1	3.6	3.4
Perkhidmatan / Services	54.7	55.2	54.5	55.6	56.9	57.6	54.3	53.4
Tambah Duti Import / Plus Import Duties	1.2	1.3	1.4	1.2	1.1	1.1	1.1	1.1
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan
Source : Quarterly Gross Domestic Product (GDP)

Nota / Notes :

^e Anggaran / Estimate

^p Awalan / Preliminary

15b KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Suku Tahunan
GDP by Economic Activity at Current Prices - Quarterly

Keterangan / Description		2015				2016				2017			
		I	II	III	IV	I	II	III	IV	I	II	III	IV
(A)	Nilai (RM Juta) / Value (RM Million)												
Pertanian / Agriculture		21,764	24,404	26,956	24,415	22,021	25,438	29,824	28,472	27,748	27,938	31,873	30,435
Perombongan dan Pengkuarian		27,716	25,913	23,605	25,825	26,110	25,609	23,625	28,614	32,141	29,598	28,073	31,514
Mining and Quarrying													
Minyak Mentah dan Kondensat		12,691	12,599	10,672	10,565	11,177	11,949	10,872	12,025	16,323	13,731	13,338	14,861
Crude Oil and Condensate													
Gas Asli / Natural Gas		13,212	11,559.0	11,114	13,234	12,924	11,699	10,747	14,353	13,589	13,627	12,485	14,206
Perombongan Lain & Pengkuarian dan		1,814	1,755	1,820	2,026	2,009	1,962	2,007	2,237	2,228	2,240	2,249	2,446
Perkhidmatan Sokongan													
Other Mining & Quarrying and Supporting Services													
Pembuatan / Manufacturing		62,217	65,081	66,415	68,667	64,368	67,390	68,378	72,260	70,892	74,946	76,020	77,940
Produk Petroleum Bertapis		8,789	8,119	8,407	9,026	7,937	7,724	7,751	8,992	9,405	9,830	10,089	10,468
Refined Petroleum Products													
Pembinaan / Construction		13,728	12,927	14,332	14,395	15,250	14,455	15,866	15,518	16,659	16,041	17,179	16,673
Perkhidmatan / Services		153,066	156,236	162,493	172,087	163,126	166,799	175,102	184,942	176,612	181,489	189,753	199,505
Tambah Duti Import / Plus Import Duties		3,151	3,747	3,621	4,180	4,136	4,048	3,948	4,398	4,661	4,679	4,748	5,192
KDNK pada Harga Pembeli /		281,643	288,307	297,422	309,569	295,010	303,739	316,745	334,203	328,713	334,692	347,646	361,259
GDP at Purchasers' Prices													
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya / Percentage Change from Corresponding Quarter of Preceding Year												
Pertanian / Agriculture		-8.2	-1.0	3.1	4.0	1.2	4.2	10.6	16.6	26.0	9.8	6.9	6.9
Perombongan dan Pengkuarian		-5.6	-4.1	-3.5	-7.6	-5.8	-1.2	0.1	10.8	23.1	15.6	18.8	10.1
Mining and Quarrying													
Minyak Mentah dan Kondensat		-	-	-	-	-11.9	-5.2	1.9	13.8	46.0	14.9	22.7	23.6
Crude Oil and Condensate													
Gas Asli / Natural Gas		-	-	-	-	-2.2	1.2	-3.3	8.4	5.2	16.5	16.2	-1.0
Perombongan Lain & Pengkuarian dan		-	-	-	-	10.8	11.8	10.3	10.4	10.9	14.2	12.1	9.4
Perkhidmatan Sokongan													
Other Mining & Quarrying and Supporting Services													
Pembuatan / Manufacturing		4.4	2.8	4.4	4.4	3.5	3.5	3.0	5.2	10.1	11.2	11.2	7.9
Produk Petroleum Bertapis		-	-	-	-	-9.7	-4.9	-7.8	-0.4	18.5	27.3	30.2	16.4
Refined Petroleum Products													
Pembinaan / Construction		13.0	8.6	12.9	13.0	11.1	11.8	10.7	7.8	9.2	11.0	8.3	7.4
Perkhidmatan / Services		7.3	6.4	5.8	10.0	6.6	6.8	7.8	7.5	8.3	8.8	8.4	7.9
Tambah Duti Import / Plus Import Duties		13.6	12.8	23.3	43.5	31.2	8.0	9.0	5.2	12.7	15.6	20.3	18.1
KDNK pada Harga Pembeli /		4.2	4.0	4.9	7.0	4.7	5.4	6.5	8.0	11.4	10.2	9.8	8.1
GDP at Purchasers' Prices													
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya / Percentage Change from Preceding Quarter												
Pertanian / Agriculture		-	12.1	10.5	-9.4	-9.8	15.5	17.2	-4.5	-2.5	0.7	14.1	-4.5
Perombongan dan Pengkuarian		-	-6.5	-8.9	9.4	1.1	-1.9	-7.7	21.1	12.3	-7.9	-5.2	12.3
Mining and Quarrying													
Minyak Mentah dan Kondensat		-	-0.7	-15.3	-1.0	5.8	6.9	-9.0	10.6	35.7	-15.9	-2.9	11.4
Crude Oil and Condensate													
Gas Asli / Natural Gas		-	-12.5	-3.9	19.1	-2.3	-9.5	-8.1	33.6	-5.3	0.3	-8.4	13.8
Perombongan Lain & Pengkuarian dan		-	-3.2	3.7	11.3	-0.8	-2.3	2.3	11.5	-0.4	0.5	0.4	8.8
Perkhidmatan Sokongan													
Other Mining & Quarrying and Supporting Services													
Pembuatan / Manufacturing		-	4.6	2.1	3.4	-6.3	4.7	1.5	5.7	-1.9	5.7	1.4	2.5
Produk Petroleum Bertapis		-	-7.6	3.5	7.4	-12.1	-2.7	0.4	16.0	4.6	4.5	2.6	3.8
Refined Petroleum Products													
Pembinaan / Construction		-	-5.8	10.9	0.4	5.9	-5.2	9.8	-2.2	7.4	-3.7	7.1	-2.9
Perkhidmatan / Services		-	2.1	4.0	5.9	-5.2	2.3	5.0	5.6	-4.5	2.8	4.6	5.1
Tambah Duti Import / Plus Import Duties		-	18.9	-3.4	15.4	-1.1	-2.1	-2.5	11.4	6.0	0.4	1.5	9.3
KDNK pada Harga Pembeli /		-	2.4	3.2	4.1	-4.7	3.0	4.3	5.5	-1.6	1.8	3.9	3.9
GDP at Purchasers' Prices													
(D)	Peratusan Sumbangan kepada KDNK / Percentage Share to GDP												
Pertanian / Agriculture		7.7	8.5	9.1	7.9	7.5	8.4	9.4	8.5	8.4	8.3	9.2	8.4
Perombongan dan Pengkuarian		9.8	9.0	7.9	8.3	8.9	8.4	7.5	8.6	9.8	8.8	8.1	8.7
Mining and Quarrying													
Minyak Mentah dan Kondensat		4.5	4.4	3.6	3.4	3.8	3.9	3.4	3.6	5.0	4.1	3.8	4.1
Crude Oil and Condensate													
Gas Asli / Natural Gas		4.7	4.0	3.7	4.3	4.4	3.9	3.4	4.3	4.1	4.1	3.6	3.9
Perombongan Lain & Pengkuarian dan		0.6	0.6	0.6	0.7	0.7	0.6	0.6	0.7	0.7	0.7	0.6	0.7
Perkhidmatan Sokongan													
Other Mining & Quarrying and Supporting Services													
Pembuatan / Manufacturing		22.1	22.6	22.3	22.2	21.8	22.2	21.6	21.6	21.6	22.4	21.9	21.6
Produk Petroleum Bertapis		3.1	2.8	2.8	2.9	2.7	2.5	2.4	2.7	2.9	2.9	2.9	2.9
Refined Petroleum Products													
Pembinaan / Construction		4.9	4.5	4.8	4.7	5.2	4.8	5.0	4.6	5.1	4.8	4.9	4.6
Perkhidmatan / Services		54.3	54.2	54.6	55.6	55.3	54.9	55.3	53.7	54.2	54.2	54.6	55.2
Tambah Duti Import / Plus Import Duties		1.1	1.3	1.2	1.4	1.4	1.3	1.2	1.3	1.4	1.4	1.4	1.4
KDNK pada Harga Pembeli /		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0
GDP at Purchasers' Prices													

Nota / Notes :

^e Anggaran / Estimate

^p Awalan / Preliminary

2018				2019				2020				2021 ^e			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
26,157	25,806	29,386	27,408	25,729	25,349	29,896	28,568	25,326	26,523	32,418	31,566	30,102	34,778	40,461	42,960
33,458	33,766	32,721	34,889	34,448	34,787	29,281	32,567	31,032	21,180	21,224	22,736	29,823	32,231	28,644	33,657
17,797	18,955	17,887	16,161	17,008	18,044	14,114	15,118	14,346	7,611	8,924	8,130	13,838	16,651	11,682	13,154
13,299	12,610	12,310	16,070	15,054	14,030	12,419	14,533	14,329	11,611	10,054	11,929	13,643	13,744	14,827	17,621
2,361	2,200	2,523	2,658	2,387	2,713	2,748	2,916	2,357	1,958	2,246	2,677	2,342	1,836	2,135	2,882
73,899	77,680	79,324	80,773	76,600	81,094	82,076	84,092	79,252	66,000	83,927	86,181	85,330	86,803	89,163	101,005
10,365	10,861	11,479	12,524	11,691	11,729	11,578	12,483	12,209	8,405	10,168	11,337	12,271	12,536	15,180	15,650
17,654	16,979	18,164	17,251	17,935	17,376	18,149	17,608	16,826	9,698	15,938	15,195	15,110	13,849	12,943	13,815
190,322	195,101	205,077	214,494	203,643	208,630	218,540	229,317	211,281	176,194	211,263	218,974	206,986	202,208	203,250	228,758
5,219	4,602	3,247	4,386	4,156	4,368	4,336	4,193	3,542	3,529	3,979	4,705	4,160	4,594	3,716	4,552
346,709	353,933	367,918	379,200	362,512	371,603	382,278	396,345	367,259	303,124	368,749	379,358	371,510	374,464	378,178	424,747
-5.7	-7.6	-7.8	-9.9	-1.6	-1.8	1.7	4.2	-1.6	4.6	8.4	10.5	18.9	31.1	24.8	36.1
4.1	14.1	16.6	10.7	3.0	3.0	-10.5	-6.7	-9.9	-39.1	-27.5	-30.2	-3.9	52.2	35.0	48.0
9.0	38.0	34.1	8.7	-4.4	-4.8	-21.1	-6.5	-15.7	-57.8	-36.8	-46.2	-3.5	118.8	30.9	61.8
-2.1	-7.5	-1.4	13.1	13.2	11.3	0.9	-9.6	-4.8	-17.2	-19.0	-17.9	-4.8	18.4	47.5	47.7
6.0	-1.8	12.2	8.7	1.1	23.3	8.9	9.7	-1.2	-27.8	-18.3	-8.2	-0.6	-6.2	-4.9	7.7
4.2	3.6	4.3	3.6	3.7	4.4	3.5	4.1	3.5	-18.6	2.3	2.5	7.7	31.5	6.2	17.2
10.2	10.5	13.8	19.6	12.8	8.0	0.9	-0.3	4.4	-28.3	-12.2	-9.2	0.5	49.1	49.3	38.0
6.0	5.8	5.7	3.5	1.6	2.3	-0.1	2.1	-6.2	-44.2	-12.2	-13.7	-10.2	42.8	-18.8	-9.1
7.8	7.5	8.1	7.5	7.0	6.9	6.6	6.9	3.8	-15.5	-3.3	-4.5	-2.0	14.8	-3.8	4.5
12.0	-1.7	-31.6	-15.5	-20.4	-5.1	33.5	-4.4	-14.8	-19.2	-8.2	12.2	17.4	30.2	-6.6	-3.2
5.5	5.7	5.8	5.0	4.6	5.0	3.9	4.5	1.3	-18.4	-3.5	-4.3	1.2	23.5	2.6	12.0
-14.1	-1.3	13.9	-6.7	-6.1	-1.5	17.9	-4.4	-11.3	4.7	22.2	-2.6	-4.6	15.5	16.3	6.2
6.2	0.9	-3.1	6.6	-1.3	1.0	-15.8	11.2	-4.7	-31.7	0.2	7.1	31.2	8.1	-11.1	17.5
19.8	6.5	-5.6	-9.7	5.2	6.1	-21.8	7.1	-5.1	-46.9	17.2	-8.9	70.2	20.3	-29.8	12.6
-6.4	-5.2	-2.4	30.5	-6.3	-6.8	-11.5	17.0	-1.4	-19.0	-13.4	18.7	14.4	0.7	7.9	18.8
-3.5	-6.8	14.7	5.3	-10.2	13.7	1.3	6.1	-19.2	-16.9	14.7	19.2	-12.5	-21.6	16.3	35.0
-5.2	5.1	2.1	1.8	-5.2	5.9	1.2	2.5	-5.8	-16.7	27.2	2.7	-1.0	1.7	2.7	13.3
-1.0	4.8	5.7	9.1	-6.7	0.3	-1.3	7.8	-2.2	-31.2	21.0	11.5	8.2	2.2	21.1	3.1
5.9	-3.8	7.0	-5.0	4.0	-3.1	4.4	-3.0	-4.4	-42.4	64.3	-4.7	-0.6	-8.3	-6.5	6.7
-4.6	2.5	5.1	4.6	-5.1	2.4	4.7	4.9	-7.9	-16.6	19.9	3.7	-5.5	-2.3	0.5	12.5
0.5	-11.8	-29.4	35.1	-5.2	5.1	-0.7	-3.3	-15.5	-0.4	12.7	18.2	-11.6	10.5	-19.1	22.5
-4.0	2.1	4.0	3.1	-4.4	2.5	2.9	3.7	-7.3	-17.5	21.6	2.9	-2.1	0.8	1.0	12.3
7.5	7.3	8.0	7.2	7.1	6.8	7.8	7.2	6.9	8.7	8.8	8.3	8.1	9.3	10.7	10.1
9.7	9.5	8.9	9.2	9.5	9.4	7.7	8.2	8.4	7.0	5.8	6.0	8.0	8.6	7.6	7.9
5.1	5.4	4.9	4.3	4.7	4.9	3.7	3.8	3.9	2.5	2.4	2.1	3.7	4.4	3.1	3.1
3.8	3.6	3.3	4.2	4.2	3.8	3.2	3.7	3.9	3.8	2.7	3.1	3.7	3.7	3.9	4.1
0.7	0.6	0.7	0.7	0.7	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.6	0.5	0.6	0.7
21.3	21.9	21.6	21.3	21.1	21.8	21.5	21.2	21.6	21.8	22.8	22.7	23.0	23.2	23.6	23.8
3.0	3.1	3.1	3.3	3.2	3.2	3.0	3.1	3.3	2.8	2.8	3.0	3.3	3.3	4.0	3.7
5.1	4.8	4.9	4.5	4.9	4.7	4.7	4.4	4.6	3.2	4.3	4.0	4.1	3.7	3.4	3.3
54.9	55.1	55.7	56.6	56.2	56.1	57.2	57.9	57.5	58.1	57.3	57.7	55.7	54.0	53.7	53.9
1.5	1.3	0.9	1.2	1.1	1.2	1.1	1.1	1.0	1.2	1.1	1.2	1.1	1.2	1.0	1.1
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan
Source : Quarterly Gross Domestic Product (GDP)

15b KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Suku Tahunan
GDP by Economic Activity at Current Prices - Quarterly

Keterangan Description		2022 ^P				2023	
		I	II	III	IV	I	II
(A) Nilai (RM Juta) / Value (RM Million)							
Pertanian / Agriculture		38,570	43,996	40,208	37,029	30,958	32,410
Perombongan dan Pengkuarian		42,333	47,331	44,211	42,996	42,207	38,828
Mining and Quarrying							
Minyak Mentah dan Kondensat		20,058	24,942	16,939	15,386	17,502	17,832
Crude Oil and Condensate							
Gas Asli / Natural Gas		19,738	20,283	24,700	24,332	21,864	18,772
Perombongan Lain & Pengkuarian dan							
Perkhidmatan Sokongan		2,537	2,106	2,572	3,277	2,842	2,224
Other Mining & Quarrying and Supporting Services							
Pembuatan / Manufacturing		97,610	102,026	108,310	111,116	103,923	101,288
Produk Petroleum Bertapis		15,406	15,819	19,849	18,506	16,775	14,698
Refined Petroleum Products							
Pembinaan / Construction		14,814	14,877	15,554	15,571	16,170	16,179
Perkhidmatan / Services		224,832	231,453	243,986	255,722	246,328	245,215
Tambah Duti Import / Plus Import Duties		4,144	4,905	4,728	5,036	4,573	5,184
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		422,303	444,588	456,997	467,470	444,159	439,103
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya / Percentage Change from Corresponding Quarter of Preceding Year							
Pertanian / Agriculture		28.1	26.5	-0.6	-13.8	-19.7	-26.3
Perombongan dan Pengkuarian		41.9	46.8	54.3	27.7	-0.3	-18.0
Mining and Quarrying							
Minyak Mentah dan Kondensat		44.9	49.8	45.0	17.0	-12.7	-28.5
Crude Oil and Condensate							
Gas Asli / Natural Gas		44.7	47.6	66.6	38.1	10.8	-7.4
Perombongan Lain & Pengkuarian dan							
Perkhidmatan Sokongan		8.3	14.7	20.5	13.7	12.0	5.6
Other Mining & Quarrying and Supporting Services							
Pembuatan / Manufacturing		14.4	17.5	21.5	10.0	6.5	-0.7
Produk Petroleum Bertapis		25.6	26.2	30.8	18.3	8.9	-7.1
Refined Petroleum Products							
Pembinaan / Construction		-2.0	7.4	20.2	12.7	9.2	8.7
Perkhidmatan / Services		8.6	14.5	20.0	11.8	9.6	5.9
Tambah Duti Import / Plus Import Duties		-0.4	6.8	27.2	10.6	10.4	5.7
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		13.7	18.7	20.8	10.1	5.2	-1.2
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya / Percentage Change from Preceding Quarter							
Pertanian / Agriculture		-10.2	14.1	-8.6	-7.9	-16.4	4.7
Perombongan dan Pengkuarian		25.8	11.8	-6.6	-2.7	-1.8	-8.0
Mining and Quarrying							
Minyak Mentah dan Kondensat		52.5	24.4	-32.1	-9.2	13.8	1.9
Crude Oil and Condensate							
Gas Asli / Natural Gas		12.0	2.8	21.8	-1.5	-10.1	-14.1
Perombongan Lain & Pengkuarian dan							
Perkhidmatan Sokongan		-12.0	-17.0	22.1	27.4	-13.3	-21.7
Other Mining & Quarrying and Supporting Services							
Pembuatan / Manufacturing		-3.4	4.5	6.2	2.6	-6.5	-2.5
Produk Petroleum Bertapis		-1.6	2.7	25.5	-6.8	-9.4	-12.4
Refined Petroleum Products							
Pembinaan / Construction		7.2	0.4	4.5	0.1	3.8	0.1
Perkhidmatan / Services		-1.7	2.9	5.4	4.8	-3.7	-0.5
Tambah Duti Import / Plus Import Duties		-9.0	18.4	-3.6	6.5	-9.2	13.4
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		-0.6	5.3	2.8	2.3	-5.0	-1.1
(D) Peratusan Sumbangan kepada KDNK / Percentage Share to GDP							
Pertanian / Agriculture		9.1	9.9	8.8	7.9	7.0	7.4
Perombongan dan Pengkuarian		10.0	10.6	9.7	9.2	9.5	8.8
Mining and Quarrying							
Minyak Mentah dan Kondensat		4.7	5.6	3.7	3.3	3.9	4.1
Crude Oil and Condensate							
Gas Asli / Natural Gas		4.7	4.6	5.4	5.2	4.9	4.3
Perombongan Lain & Pengkuarian dan							
Perkhidmatan Sokongan		0.6	0.5	0.6	0.7	0.6	0.5
Other Mining & Quarrying and Supporting Services							
Pembuatan / Manufacturing		23.1	22.9	23.7	23.8	23.4	23.1
Produk Petroleum Bertapis		3.6	3.6	4.3	4.0	3.8	3.3
Refined Petroleum Products							
Pembinaan / Construction		3.5	3.3	3.4	3.3	3.6	3.7
Perkhidmatan / Services		53.2	52.1	53.4	54.7	55.5	55.8
Tambah Duti Import / Plus Import Duties		1.0	1.1	1.0	1.1	1.0	1.2
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		100.0	100.0	100.0	100.0	100.0	100.0

Nota / Notes :

^E Anggaran / Estimate

^P Awalan / Preliminary

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan

Source : Quarterly Gross Domestic Product (GDP)

16a KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Malar - Tahunan
GDP by Economic Activity at Constant Prices - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p
(A) Nilai (RM Juta) Value (RM Million)								
Pertanian / Agriculture	97,539	93,977	99,509	99,637	101,573	99,109	99,000	99,073
Perlombongan dan Pengkuarian Mining and Quarrying	103,059	105,368	105,838	103,557	102,887	92,879	93,717	96,199
Minyak Mentah dan Kondensat Crude Oil and Condensate	46,526	46,821	45,807	45,430	42,460	38,430	36,410	35,409
Gas Asli / Natural Gas	49,119	50,607	51,492	49,322	50,643	45,896	49,166	52,065
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	7,414	7,940	8,539	8,806	9,784	8,554	8,142	8,726
Pembuatan / Manufacturing	262,379	273,899	290,464	304,843	316,283	307,606	336,839	364,131
Produk Petroleum Bertapis Refined Petroleum Products	34,341	35,522	36,750	37,962	39,026	35,286	39,814	41,904
Pembinaan / Construction	55,382	59,508	63,522	66,194	66,453	53,616	50,889	53,441
Perkhidmatan / Services	643,883	680,561	723,361	772,990	820,576	777,693	794,552	881,310
Tambah Duti Import / Plus Import Duties	14,699	16,000	18,076	16,546	16,179	15,346	15,646	16,785
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	1,176,941	1,229,312	1,300,769	1,363,766	1,423,952	1,346,249	1,390,644	1,510,939
(B) Perubahan Peratusan Tahunan Annual Percentage Change								
Pertanian / Agriculture	1.4	-3.7	5.9	0.1	1.9	-2.4	-0.1	0.1
Perlombongan dan Pengkuarian Mining and Quarrying	5.3	2.2	0.4	-2.2	-0.6	-9.7	0.9	2.6
Minyak Mentah dan Kondensat Crude Oil and Condensate	10.4	0.6	-2.2	-0.8	-6.5	-9.5	-5.3	-2.7
Gas Asli / Natural Gas	-1.0	3.0	1.7	-4.2	2.7	-9.4	7.1	5.9
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	13.7	7.1	7.5	3.1	11.1	-12.6	-4.8	7.2
Pembuatan / Manufacturing	4.8	4.4	6.0	5.0	3.8	-2.7	9.5	8.1
Produk Petroleum Bertapis Refined Petroleum Products	1.2	3.4	3.5	3.3	2.8	-9.6	12.8	5.2
Pembinaan / Construction	8.4	7.4	6.7	4.2	0.4	-19.3	-5.1	5.0
Perkhidmatan / Services	5.3	5.7	6.3	6.9	6.2	-5.2	2.2	10.9
Tambah Duti Import / Plus Import Duties	18.6	8.8	13.0	-8.5	-2.2	-5.2	2.0	7.3
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	5.1	4.4	5.8	4.8	4.4	-5.5	3.3	8.7
(C) Peratusan Sumbangan kepada KDNK Percentage Share to GDP								
Pertanian / Agriculture	8.3	7.6	7.6	7.3	7.1	7.4	7.1	6.6
Perlombongan dan Pengkuarian Mining and Quarrying	8.8	8.6	8.1	7.6	7.2	6.9	6.7	6.4
Minyak Mentah dan Kondensat Crude Oil and Condensate	4.0	3.8	3.5	3.3	3.0	2.9	2.6	2.3
Gas Asli / Natural Gas	4.2	4.1	4.0	3.6	3.6	3.4	3.5	3.4
Perlombongan Lain & Pengkuarian dan Perkhidmatan Sokongan Other Mining & Quarrying and Supporting Services	0.6	0.6	0.7	0.6	0.7	0.6	0.6	0.6
Pembuatan / Manufacturing	22.3	22.3	22.3	22.4	22.2	22.8	24.2	24.1
Produk Petroleum Bertapis Refined Petroleum Products	2.9	2.9	2.8	2.8	2.7	2.6	2.9	2.8
Pembinaan / Construction	4.7	4.8	4.9	4.9	4.7	4.0	3.7	3.5
Perkhidmatan / Services	54.7	55.4	55.6	56.7	57.6	57.8	57.1	58.3
Tambah Duti Import / Plus Import Duties	1.2	1.3	1.4	1.2	1.1	1.1	1.1	1.1
KDNK pada Harga Pembeli / GDP at Purchasers' Prices	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan
Source : Quarterly Gross Domestic Product (GDP)

Nota / Notes :

^e Anggaran / Estimate

^p Awalan / Preliminary

16b KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Malar - Suku Tahunan
GDP by Economic Activity at Constant Prices - Quarterly

Keterangan / Description		2015				2016				2017			
		I	II	III	IV	I	II	III	IV	I	II	III	IV
(A)	Nilai (RM Juta) / Value (RM Million)												
Pertanian / Agriculture		21,692	24,001	27,685	24,161	21,208	22,617	26,404	23,748	22,608	23,644	27,266	25,990
Perombongan dan Pengkuarian		26,879	25,729	24,260	26,191	26,586	26,313	24,927	27,542	26,845	26,187	25,500	27,305
Mining and Quarrying													
Minyak Mentah dan Kondensat		12,650	11,811	10,487	11,578	12,253	11,849	11,142	11,577	11,900	11,422	11,022	11,463
Crude Oil and Condensate													
Gas Asli / Natural Gas		12,408	12,130	11,938	12,643	12,389	12,512	11,817	13,889	12,875	12,628	12,355	13,634
Perombongan Lain & Pengkuarian dan													
Perkhidmatan Sokongan		1,821	1,788	1,836	1,970	1,943	1,952	1,968	2,076	2,069	2,137	2,124	2,209
Other Mining & Quarrying and Supporting Services													
Pembuatan / Manufacturing		62,333	65,695	65,851	68,500	65,146	68,160	68,630	71,962	69,022	72,242	73,442	75,758
Produk Petroleum Bertapis		8,561	8,597	8,253	8,929	8,691	9,069	8,533	9,228	8,878	9,248	9,045	9,580
Refined Petroleum Products													
Pembinaan / Construction		13,728	12,927	14,332	14,395	14,825	14,083	15,478	15,121	15,832	15,253	16,431	16,006
Perkhidmatan / Services		154,469	156,945	162,177	170,292	162,558	165,993	172,206	179,805	172,090	176,593	183,517	191,161
Tambah Duti Import / Plus Import Duties		3,154	3,678	3,660	4,207	4,006	3,848	3,865	4,280	4,348	4,312	4,509	4,908
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		282,256	288,975	297,965	307,745	294,329	301,015	311,510	322,458	310,744	318,231	330,664	341,129
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya / Percentage Change from Corresponding Quarter of Preceding Year												
Pertanian / Agriculture		-3.7	4.8	2.5	2.0	-2.2	-5.8	-4.6	-1.7	26.0	9.8	6.9	6.9
Perombongan dan Pengkuarian		10.8	6.0	5.6	-0.7	-1.1	2.3	2.7	5.2	23.1	15.6	18.8	10.1
Mining and Quarrying													
Minyak Mentah dan Kondensat		-	-	-	-	-3.1	0.3	6.3	0.0	46.0	14.9	22.7	23.6
Crude Oil and Condensate													
Gas Asli / Natural Gas		-	-	-	-	-0.1	3.1	-1.0	9.9	5.2	16.5	16.2	-1.0
Perombongan Lain & Pengkuarian dan													
Perkhidmatan Sokongan		-	-	-	-	6.7	9.2	7.2	5.4	10.9	14.2	12.1	9.4
Other Mining & Quarrying and Supporting Services													
Pembuatan / Manufacturing		5.5	4.2	4.8	4.9	4.5	3.8	4.2	5.1	10.1	11.2	11.2	7.9
Produk Petroleum Bertapis						1.5	5.5	3.4	3.4	18.5	27.3	30.2	16.4
Refined Petroleum Products													
Pembinaan / Construction		9.8	5.8	10.1	7.7	8.0	8.9	8.0	5.0	9.2	11.0	8.3	7.4
Perkhidmatan / Services		6.5	5.1	4.5	5.1	5.2	5.8	6.2	5.6	8.3	8.8	8.4	7.9
Tambah Duti Import / Plus Import Duties		8.1	9.2	18.7	39.2	27.0	4.6	5.6	1.7	12.7	15.6	20.3	18.1
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		5.9	5.0	4.8	4.7	4.3	4.2	4.5	4.8	11.4	10.2	9.8	8.1
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya / Percentage Change from Preceding Quarter												
Pertanian / Agriculture		-	10.6	15.3	-12.7	-12.2	6.6	16.7	-10.1	-4.8	4.6	15.3	-4.7
Perombongan dan Pengkuarian		-	-4.3	-5.7	8.0	1.5	-1.0	-5.3	10.5	-2.5	-2.5	-2.6	7.1
Mining and Quarrying													
Minyak Mentah dan Kondensat		-	-6.6	-11.2	10.4	5.8	-3.3	-6.0	3.9	2.8	-4.0	-3.5	4.0
Crude Oil and Condensate													
Gas Asli / Natural Gas		-	-2.2	-1.6	5.9	-2.0	1.0	-5.6	17.5	-7.3	-1.9	-2.2	10.4
Perombongan Lain & Pengkuarian dan													
Perkhidmatan Sokongan		-	-1.8	2.7	7.3	-1.3	0.4	0.8	5.5	-0.3	3.3	-0.6	4.0
Other Mining & Quarrying and Supporting Services													
Pembuatan / Manufacturing		-	5.4	0.2	4.0	-4.9	4.6	0.7	4.9	-4.1	4.7	1.7	3.2
Produk Petroleum Bertapis		-	0.4	-4.0	8.2	-2.7	4.3	-5.9	8.1	-3.8	4.2	-2.2	5.9
Refined Petroleum Products													
Pembinaan / Construction		-	-5.8	10.9	0.4	3.0	-5.0	9.9	-2.3	4.7	-3.7	7.7	-2.6
Perkhidmatan / Services		-	1.6	3.3	5.0	-4.5	2.1	3.7	4.4	-4.3	2.6	3.9	4.2
Tambah Duti Import / Plus Import Duties		-	16.6	-0.5	14.9	-4.8	-3.9	0.4	10.7	1.6	-0.8	4.6	8.8
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		-	2.4	3.1	3.3	-4.4	2.3	3.5	3.5	-3.6	2.4	3.9	3.2
(D)	Peratusan Sumbangan kepada KDNK / Percentage Share to GDP												
Pertanian / Agriculture		7.7	8.3	9.3	7.9	7.2	7.5	8.5	7.4	7.3	7.4	8.2	7.6
Perombongan dan Pengkuarian		9.5	8.9	8.1	8.5	9.0	8.7	8.0	8.5	8.6	8.2	7.7	8.0
Mining and Quarrying													
Minyak Mentah dan Kondensat		4.5	4.1	3.5	3.8	4.2	3.9	3.6	3.6	3.8	3.6	3.3	3.4
Crude Oil and Condensate													
Gas Asli / Natural Gas		4.4	4.2	4.0	4.1	4.2	4.2	3.8	4.3	4.1	4.0	3.7	4.0
Perombongan Lain & Pengkuarian dan													
Perkhidmatan Sokongan		0.6	0.6	0.6	0.6	0.7	0.6	0.6	0.6	0.7	0.7	0.6	0.6
Other Mining & Quarrying and Supporting Services													
Pembuatan / Manufacturing		22.1	22.7	22.1	22.3	22.1	22.6	22.0	22.3	22.2	22.7	22.2	22.2
Produk Petroleum Bertapis		3.0	3.0	2.8	2.9	3.0	3.0	2.7	2.9	2.9	2.9	2.7	2.8
Refined Petroleum Products													
Pembinaan / Construction		4.9	4.5	4.8	4.7	5.0	4.7	5.0	4.7	5.1	4.8	5.0	4.7
Perkhidmatan / Services		54.7	54.3	54.4	55.3	55.2	55.1	55.3	55.8	55.4	55.5	55.5	56.0
Tambah Duti Import / Plus Import Duties		1.1	1.3	1.2	1.4	1.4	1.3	1.2	1.3	1.4	1.4	1.4	1.4
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Nota / Notes :

^e Anggaran / Estimate

^p Awalan / Preliminary

2018				2019				2020				2021 ^e			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
23,298	23,292	27,089	25,958	24,707	24,266	28,082	24,519	22,532	24,421	27,938	24,218	22,596	24,090	27,356	24,958
26,189	25,853	24,238	27,277	26,216	26,483	23,567	26,622	25,460	21,387	22,009	24,023	24,630	24,073	21,207	23,807
11,837	11,693	10,614	11,285	11,278	11,121	9,382	10,679	10,892	9,032	9,094	9,411	9,775	9,594	8,281	8,760
12,235	12,111	11,310	13,666	12,807	12,852	11,634	13,351	12,430	10,510	10,776	12,180	12,746	12,820	10,987	12,612
2,117	2,049	2,314	2,326	2,131	2,510	2,551	2,591	2,138	1,844	2,139	2,432	2,109	1,660	1,938	2,435
72,643	75,745	77,131	79,324	75,627	79,005	79,922	81,729	76,635	64,343	82,446	84,182	81,710	81,543	81,697	91,889
9,256	9,475	9,268	9,963	9,524	9,757	9,551	10,194	9,880	7,176	8,740	9,489	9,425	9,605	10,409	10,375
16,604	15,985	17,206	16,399	16,704	16,161	16,967	16,620	15,377	9,003	14,890	14,346	13,786	12,639	11,843	12,620
183,367	188,290	196,947	204,386	195,144	199,852	208,474	217,106	201,339	168,097	201,009	207,248	197,305	191,355	191,818	214,074
4,995	4,272	3,074	4,204	3,976	4,142	4,106	3,956	3,347	3,435	3,844	4,720	3,978	4,068	3,365	4,235
327,096	333,438	345,685	357,547	342,373	349,910	361,117	370,552	344,690	290,686	352,137	358,736	344,005	337,770	337,286	371,583
3.1	-1.5	-0.7	-0.1	6.0	4.2	3.7	-5.5	-8.8	0.6	-0.5	-1.2	0.3	-1.4	-2.1	3.1
-2.4	-1.3	-5.0	-0.1	0.1	2.4	-2.8	-2.4	-2.9	-19.2	-6.6	-9.8	-3.3	12.6	-3.6	-0.9
-0.5	2.4	-3.7	-1.5	-4.7	-4.9	-11.6	-5.4	-3.4	-18.8	-3.1	-11.9	-10.3	6.2	-8.9	-6.9
-5.0	-4.1	-8.5	0.2	4.7	6.1	2.9	-2.3	-2.9	-18.2	-7.4	-8.8	2.5	22.0	2.0	3.6
2.3	-4.1	8.9	5.3	0.7	22.5	10.2	11.4	0.3	-26.5	-16.1	-6.1	-1.4	-10.0	-9.4	0.1
5.2	4.9	5.0	4.7	4.1	4.3	3.6	3.0	1.3	-18.6	3.2	3.0	6.6	26.7	-0.9	9.2
4.3	2.5	2.5	4.0	2.9	3.0	3.1	2.3	3.7	-26.5	-8.5	-6.9	-4.6	33.8	19.1	9.3
4.9	4.8	4.7	2.5	0.6	1.1	-1.4	1.3	-7.9	-44.3	-12.2	-13.7	-10.3	40.4	-20.5	-12.0
6.6	6.6	7.3	6.9	6.4	6.1	5.9	6.2	3.2	-15.9	-3.6	-4.5	-2.0	13.8	-4.6	3.3
14.9	-0.9	-31.8	-14.3	-20.4	-3.0	33.6	-5.9	-15.8	-17.1	-6.4	19.3	18.9	18.4	-12.5	-10.3
5.3	4.8	4.5	4.8	4.7	4.9	4.5	3.6	0.7	-16.9	-2.5	-3.2	-0.2	16.2	-4.2	3.6
-10.4	0.0	16.3	-4.2	-4.8	-1.8	15.7	-12.7	-8.1	8.4	14.4	-13.3	-6.7	6.6	13.6	-8.8
-4.1	-1.3	-6.2	12.5	-3.9	1.0	-11.0	13.0	-4.4	-16.0	2.9	9.1	2.5	-2.3	-11.9	12.3
3.3	-1.2	-9.2	6.3	-0.1	-1.4	-15.6	13.8	2.0	-17.1	0.7	3.5	3.9	-1.9	-13.7	5.8
-10.3	-1.0	-6.6	20.8	-6.3	0.4	-9.5	14.8	-6.9	-15.4	2.5	13.0	4.7	0.6	-14.3	14.8
-4.1	-3.2	12.9	0.5	-8.4	17.8	1.6	1.6	-17.5	-13.8	16.0	13.7	-13.3	-21.3	16.8	25.7
-4.1	4.3	1.8	2.8	-4.7	4.5	1.2	2.3	-6.2	-16.0	28.1	2.1	-2.9	-0.2	0.2	12.5
-3.4	2.4	-2.2	7.5	-4.4	2.5	-2.1	6.7	-3.1	-27.4	21.8	8.6	-0.7	1.9	8.4	-0.3
3.7	-3.7	7.6	-4.7	1.9	-3.3	5.0	-2.0	-7.5	-41.4	65.4	-3.7	-3.9	-8.3	-6.3	6.6
-4.1	2.7	4.6	3.8	-4.5	2.4	4.3	4.1	-7.3	-16.5	19.6	3.1	-4.8	-3.0	0.2	11.6
1.8	-14.5	-28.0	36.8	-5.4	4.2	-0.9	-3.6	-15.4	2.6	11.9	22.8	-15.7	2.3	-17.3	25.8
-4.1	1.9	3.7	3.4	-4.2	2.2	3.2	2.6	-7.0	-15.7	21.1	1.9	-4.1	-1.8	-0.1	10.2
7.1	7.0	7.8	7.3	7.2	6.9	7.8	6.6	6.5	8.4	7.9	6.8	6.6	7.1	8.1	6.7
8.0	7.8	7.0	7.6	7.7	7.6	6.5	7.2	7.4	7.4	6.3	6.7	7.2	7.1	6.3	6.4
3.6	3.5	3.1	3.2	3.3	3.2	2.6	2.9	3.2	3.1	2.6	2.6	2.8	2.8	2.5	2.4
3.7	3.6	3.3	3.8	3.7	3.7	3.2	3.6	3.6	3.6	3.1	3.4	3.7	3.8	3.3	3.4
0.6	0.6	0.7	0.7	0.6	0.7	0.7	0.7	0.6	0.6	0.6	0.7	0.6	0.5	0.6	0.7
22.2	22.7	22.3	22.2	22.1	22.6	22.1	22.1	22.2	22.1	23.4	23.5	23.8	24.1	24.2	24.7
2.8	2.8	2.7	2.8	2.8	2.8	2.6	2.8	2.9	2.5	2.5	2.6	2.7	2.8	3.1	2.8
5.1	4.8	5.0	4.6	4.9	4.6	4.7	4.5	4.5	3.1	4.2	4.0	4.0	3.7	3.5	3.4
56.1	56.5	57.0	57.2	57.0	57.1	57.7	58.6	58.4	57.8	57.1	57.8	57.4	56.7	56.9	57.6
1.5	1.3	0.9	1.2	1.2	1.2	1.1	1.1	1.0	1.2	1.1	1.3	1.2	1.2	1.0	1.1
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan
Source : Quarterly Gross Domestic Product (GDP)

16b KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Malar - Suku Tahunan
GDP by Economic Activity at Constant Prices - Quarterly

Keterangan / Description		2022 ^P				2023	
		I	II	III	IV	I	II
(A)	Nilai (RM Juta) / Value (RM Million)						
Pertanian / Agriculture		22,610	23,526	27,697	25,240	22,834	23,274
Perombongan dan Pengkuarian		24,087	23,666	23,133	25,314	24,675	23,128
Mining and Quarrying							
Minyak Mentah & Kondensat		8,863	8,975	8,435	9,136	9,213	8,837
Crude Oil & Condensate							
Gas asli / Natural gas		13,096	12,937	12,494	13,538	13,180	12,469
Perombongan Lain & Pengkuarian dan							
Perkhidmatan Sokongan		2,127	1,754	2,204	2,640	2,282	1,821
Other Mining & Quarrying and							
Supporting Services							
Pembuatan / Manufacturing		87,181	89,039	92,399	95,513	89,996	89,151
Produk petroleum bertapis		9,665	9,877	11,506	10,857	10,270	9,649
Refined petroleum products							
Pembinaan / Construction		12,945	12,953	13,655	13,889	13,906	13,759
Perkhidmatan / Services		209,973	214,034	223,829	233,475	225,342	224,105
Tambah Duti Import / Plus Import Duties		3,808	4,228	4,171	4,577	4,211	4,510
KDNK pada Harga Pembeli		360,603	367,444	384,884	398,008	380,966	377,927
GDP at Purchasers' Prices							
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya / Percentage Change from Corresponding Quarter of Preceding Year						
Pertanian / Agriculture		0.1	-2.3	1.2	1.1	1.0	-1.1
Perombongan dan Pengkuarian		-2.2	-1.7	9.1	6.3	2.4	-2.3
Mining and Quarrying							
Minyak Mentah & Kondensat		-9.3	-6.5	1.9	4.3	4.0	-1.5
Crude Oil & Condensate							
Gas asli / Natural gas		2.7	0.9	13.7	7.3	0.6	-3.6
Perombongan Lain & Pengkuarian dan							
Perkhidmatan Sokongan		0.9	5.7	13.7	8.4	7.3	3.8
Other Mining & Quarrying and							
Supporting Services							
Pembuatan / Manufacturing		6.7	9.2	13.1	3.9	3.2	0.1
Produk petroleum bertapis		2.5	2.8	10.5	4.6	6.3	-2.3
Refined petroleum products							
Pembinaan / Construction		-6.1	2.5	15.3	10.1	7.4	6.2
Perkhidmatan / Services		6.4	11.9	16.7	9.1	7.3	4.7
Tambah Duti Import / Plus Import Duties		-4.3	3.9	24.0	8.1	10.6	6.7
KDNK pada Harga Pembeli		4.8	8.8	14.1	7.1	5.6	2.9
GDP at Purchasers' Prices							
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya / Percentage Change from Preceding Quarter						
Pertanian / Agriculture		-9.4	4.1	17.7	-8.9	-9.5	1.9
Perombongan dan Pengkuarian		1.2	-1.7	-2.2	9.4	-2.5	-6.3
Mining and Quarrying							
Minyak Mentah & Kondensat		1.2	1.3	-6.0	8.3	0.8	-4.1
Crude Oil & Condensate							
Gas asli / Natural gas		3.8	-1.2	-3.4	8.4	-2.6	-5.4
Perombongan Lain & Pengkuarian dan							
Perkhidmatan Sokongan		-12.6	-17.5	25.7	19.8	-13.6	-20.2
Other Mining & Quarrying and							
Supporting Services							
Pembuatan / Manufacturing		-5.1	2.1	3.8	3.4	-5.8	-0.9
Produk petroleum bertapis		-6.9	2.2	16.5	-5.6	-5.4	-6.0
Refined petroleum products							
Pembinaan / Construction		2.6	0.1	5.4	1.7	0.1	-1.1
Perkhidmatan / Services		-1.9	1.9	4.6	4.3	-3.5	-0.5
Tambah Duti Import / Plus Import Duties		-10.1	11.0	-1.3	9.7	-8.0	7.1
KDNK pada Harga Pembeli		-3.0	1.9	4.7	3.4	-4.3	-0.8
GDP at Purchasers' Prices							
(D)	Peratusan Sumbangan kepada KDNK / Percentage Share to GDP						
Pertanian / Agriculture		6.3	6.4	7.2	6.3	6.0	6.2
Perombongan dan Pengkuarian		6.7	6.4	6.0	6.4	6.5	6.1
Mining and Quarrying							
Minyak Mentah & Kondensat		2.5	2.4	2.2	2.3	2.4	2.3
Crude Oil & Condensate							
Gas asli / Natural gas		3.6	3.5	3.2	3.4	3.5	3.3
Perombongan Lain & Pengkuarian dan							
Perkhidmatan Sokongan		0.6	0.5	0.6	0.7	0.6	0.5
Other Mining & Quarrying and							
Supporting Services							
Pembuatan / Manufacturing		24.2	24.2	24.0	24.0	23.6	23.6
Produk petroleum bertapis		2.7	2.7	3.0	2.7	2.7	2.6
Refined petroleum products							
Pembinaan / Construction		3.6	3.5	3.5	3.5	3.7	3.6
Perkhidmatan / Services		58.2	58.2	58.2	58.7	59.2	59.3
Tambah Duti Import / Plus Import Duties		1.1	1.2	1.1	1.1	1.1	1.2
KDNK pada Harga Pembeli		100.0	100.0	100.0	100.0	100.0	100.0
GDP at Purchasers' Prices							

Nota / Notes :

^e Anggaran / Estimate

^P Awalan / Preliminary

Sumber : Keluaran Dalam Negeri Kasar (KDNK) Suku Tahunan
Source : Quarterly Gross Domestic Product (GDP)

17a IPP dan Indeks Sektor (2015=100) - Tahunan
 IPI and Sectors Indices (2015=100) - Annually

Keterangan Description	Wajaran Weights 2015	2015	2016	2017	2018	2019	2020	2021	2022
(A) Indeks Index									
IPP / IPI	100.0	100.0	104.1	108.7	112.2	114.9	110.2	118.3	126.2
Perlombongan / Mining	25.1	100.0	102.4	102.7	100.6	99.3	90.5	91.8	93.9
Pengekstrakan Minyak Petroleum Mentah dan Kondensat Extraction of Crude Petroleum Oils and Condensates	12.2	100.0	101.2	99.5	99.3	93.5	85.1	80.8	78.6
Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) Production of Crude Gaseous Hydrocarbon (Natural Gas)	12.9	100.0	103.5	105.8	101.9	104.9	95.5	102.3	108.3
Pembuatan / Manufacturing	68.3	100.0	104.3	110.7	116.0	120.1	116.9	128.1	138.5
Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	20.6	100.0	104.1	108.3	112.6	115.9	115.0	130.1	131.3
Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products	9.4	100.0	103.1	106.7	110.2	113.2	101.2	112.9	120.0
Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products	6.4	100.0	106.0	110.6	115.5	117.5	109.2	119.5	124.4
Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products	0.4	100.0	104.4	109.4	115.9	120.7	138.2	159.9	169.7
Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products	4.5	100.0	103.6	108.4	113.4	118.9	150.2	178.4	161.2
Elektrik / Electric	6.6	100.0	108.6	110.9	116.3	119.9	115.7	118.6	122.9
(B) Perubahan Peratusan Tahunan Annual Percentage Change									
IPP / IPI		4.1	4.4	3.2	2.4	-4.1	7.4	6.7	
Perlombongan / Mining		2.4	0.4	-2.1	-1.3	-8.9	1.5	2.2	
Pengekstrakan Minyak Petroleum Mentah dan Kondensat Extraction of Crude Petroleum Oils and Condensates		1.2	-1.7	-0.2	-5.9	-8.9	-5.2	-2.7	
Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) Production of Crude Gaseous Hydrocarbon (Natural Gas)		3.5	2.2	-3.7	3.0	-8.9	7.1	5.9	
Pembuatan / Manufacturing		4.3	6.1	4.8	3.6	-2.7	9.5	8.2	
Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products		4.1	4.0	4.6	4.9	-0.8	13.1	0.9	
Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products		3.1	3.5	3.3	2.7	-10.6	11.6	6.3	
Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products		6.0	4.3	4.4	1.8	-7.1	9.4	4.1	
Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products		4.4	4.8	5.9	4.2	14.5	15.7	6.1	
Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products		3.6	4.6	4.6	4.9	26.3	18.8	-9.6	
Elektrik / Electric		8.6	2.1	4.8	3.1	-3.5	2.5	3.6	

Sumber : Indeks Pengeluaran Perindustrian (2015=100)
 Source : Index of Industrial Production (2015=100)

17b IPP dan Indeks Sektor (2015=100) - Suku Tahunan
IPI and Sectors Indices (2015=100) - Quarterly

Keterangan Description		Wajaran Weights 2015	2015				2016				2017			
			I	II	III	IV	I	II	III	IV	I	II	III	IV
(A)	Indeks Index													
	IPP / IPI	100.0	97.8	99.5	100.1	102.6	101.1	103.2	104.0	108.2	105.6	107.1	110.0	112.2
	Perlombongan / Mining	25.1	103.7	98.8	96.1	101.4	103.1	101.3	98.2	106.9	104.9	99.6	100.2	106.2
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates	12.2	106.0	99.6	94.1	100.4	102.4	100.7	99.7	102.0	102.7	97.2	97.5	100.6
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)	12.9	101.7	98.1	97.9	102.3	103.8	101.8	96.8	111.5	107.1	101.8	102.7	111.6
	Pembuatan / Manufacturing	68.3	95.7	99.7	101.5	103.1	99.9	103.2	105.6	108.6	105.8	109.4	113.2	114.4
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	20.6	100.2	98.9	98.7	102.2	102.8	103.9	102.9	107.0	106.2	107.1	108.1	111.8
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products	9.4	104.8	98.1	94.2	103.0	106.1	103.0	97.1	106.2	108.6	104.8	103.0	110.2
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products	6.4	97.4	100.9	101.5	100.3	101.0	106.4	108.7	107.9	104.8	110.6	113.1	113.8
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products	0.4	89.8	104.1	106.8	99.3	93.4	108.1	110.9	105.3	97.8	113.3	114.7	111.9
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products	4.5	95.5	97.4	103.3	103.8	99.4	101.8	106.0	107.4	103.9	106.4	111.2	112.1
	Elektrik / Electric	6.6	97.0	100.9	100.8	101.3	105.4	110.4	109.5	109.1	105.7	111.1	113.8	113.1
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year													
	IPP / IPI						3.3	3.7	3.9	5.5	4.5	3.7	5.8	3.7
	Perlombongan / Mining						-0.6	2.5	2.2	5.4	1.7	-1.7	2.0	-0.6
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates						-3.4	1.1	6.0	1.6	0.3	-3.4	-2.2	-1.4
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)						2.1	3.8	-1.2	9.0	3.1	0.0	6.2	0.0
	Pembuatan / Manufacturing						4.4	3.6	4.1	5.3	5.9	6.0	7.2	5.3
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products						2.6	5.0	4.3	4.6	3.3	3.1	5.1	4.5
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products						1.2	5.0	3.1	3.1	2.4	1.8	6.0	3.8
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products						3.7	5.5	7.2	7.6	3.7	3.9	4.0	5.5
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products						4.0	3.8	3.9	6.1	4.8	4.8	3.4	6.3
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products						4.1	4.5	2.6	3.5	4.5	4.5	5.0	4.4
	Elektrik / Electric						8.7	9.4	8.7	7.7	0.3	0.6	3.9	3.7
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter													
	IPP / IPI		1.7	0.5	2.5	-1.4	2.1	0.7	4.0	-2.4	1.4	2.7	2.0	
	Perlombongan / Mining		-4.8	-2.8	5.5	1.7	-1.8	-3.0	8.9	-1.8	-5.1	0.6	6.0	
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates		-6.0	-5.5	6.7	2.0	-1.7	-1.0	2.3	0.7	-5.3	0.3	3.1	
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)		-3.5	-0.2	4.5	1.5	-1.9	-5.0	15.2	-4.0	-4.9	0.9	8.6	
	Pembuatan / Manufacturing		4.1	1.8	1.7	-3.1	3.3	2.3	2.8	-2.5	3.4	3.5	1.0	
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products		-1.3	-0.3	3.6	0.6	1.0	-0.9	3.9	-0.7	0.8	1.0	3.4	
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products		-6.4	-4.0	9.3	3.0	-2.9	-5.7	9.3	2.3	-3.6	-1.7	7.0	
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products		3.6	0.6	-1.2	0.7	5.4	2.2	-0.8	-2.9	5.6	2.2	0.6	
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products		16.0	2.6	-7.0	-6.0	15.8	2.6	-5.1	-7.1	15.8	1.3	-2.4	
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products		2.0	6.0	0.5	-4.2	2.4	4.1	1.3	-3.3	2.4	4.6	0.8	
	Elektrik / Electric		4.1	-0.2	0.6	4.0	4.8	-0.8	-0.4	-3.2	5.1	2.4	-0.6	

Sumber : Indeks Pengeluaran Perindustrian (2015=100)

Source : Index of Industrial Production (2015=100)

2018				2019				2020				2021			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
109.2	110.8	112.7	116.0	112.7	114.7	114.6	117.5	113.1	94.6	115.9	117.3	117.7	115.8	114.4	125.3
102.6	99.2	94.6	106.1	102.7	100.8	91.1	102.8	100.5	82.6	86.4	92.5	97.1	94.9	83.8	91.4
102.1	100.0	95.1	100.1	98.7	96.3	84.2	94.7	96.0	78.6	82.1	83.8	86.4	83.8	74.9	77.9
103.0	98.5	94.1	111.9	106.4	105.1	97.6	110.4	104.7	86.4	90.4	100.6	107.3	105.3	92.2	104.3
111.4	114.5	118.6	119.5	115.9	119.2	122.6	122.8	117.3	97.7	126.5	126.3	125.3	123.4	125.6	137.9
111.3	111.1	112.2	115.9	114.8	114.7	115.4	118.8	120.0	98.8	117.8	123.4	131.0	127.7	131.3	130.3
113.4	107.3	105.3	114.7	116.6	110.4	108.5	117.3	120.8	78.8	98.0	107.1	113.7	105.9	115.6	116.3
111.6	116.7	118.1	115.4	113.4	119.0	120.4	117.3	115.5	96.8	111.4	113.1	120.7	112.9	119.5	125.0
105.5	119.0	121.2	117.9	112.1	123.6	125.6	121.5	117.0	140.0	154.5	141.5	142.1	155.1	173.4	169.1
107.0	110.3	117.4	118.9	113.2	116.7	121.8	124.0	125.0	139.8	165.4	170.5	181.0	191.8	177.3	163.6
111.6	116.4	119.5	117.6	117.8	121.4	122.0	118.4	117.1	108.5	119.0	118.1	117.1	117.8	115.6	123.8
3.4	3.5	2.4	3.4	3.2	3.5	1.8	1.3	0.4	-17.5	1.1	-0.2	4.1	22.5	-1.2	6.9
-2.3	-0.4	-5.6	-0.1	0.1	1.6	-3.8	-3.2	-2.1	-18.1	-5.2	-10.0	-3.3	14.8	-3.0	-1.1
-0.6	2.9	-2.5	-0.5	-3.3	-3.7	-11.5	-5.4	-2.7	-18.3	-2.4	-11.5	-10.0	6.6	-8.7	-7.1
-3.8	-3.3	-8.4	0.3	3.3	6.8	3.7	-1.3	-1.6	-17.8	-7.4	-8.8	2.5	22.0	2.0	3.6
5.2	4.7	4.8	4.5	4.0	4.1	3.4	2.8	1.3	-18.1	3.1	2.8	6.8	26.3	-0.7	9.2
4.8	3.7	3.8	3.7	3.1	3.3	2.8	2.5	4.6	-13.9	2.1	3.9	9.2	29.3	11.4	5.6
4.4	2.4	2.3	4.0	2.8	2.9	3.0	2.3	3.6	-28.7	-9.7	-8.6	-5.9	34.5	18.0	8.6
6.5	5.5	4.4	1.4	1.6	2.0	1.9	1.7	1.8	-18.7	-7.5	-3.6	4.5	16.6	7.3	10.5
7.8	5.0	5.6	5.3	6.3	3.9	3.7	3.0	4.3	13.3	22.9	16.5	21.5	10.8	12.2	19.5
3.0	3.7	5.5	6.1	5.8	5.8	3.8	4.3	10.5	19.8	35.7	37.5	44.8	37.2	7.2	-4.1
5.6	4.8	5.1	3.9	5.6	4.2	2.1	0.7	-0.6	-10.6	-2.5	-0.3	-0.1	8.6	-2.8	4.8
-2.7	1.5	1.7	3.0	-2.9	1.8	-0.1	2.5	-3.8	-16.3	22.5	1.2	0.4	-1.6	-1.2	9.5
-3.5	-3.3	-4.6	12.2	-3.2	-1.8	-9.7	12.8	-2.2	-17.8	4.5	7.1	5.1	-2.3	-11.7	9.1
1.5	-2.0	-4.9	5.2	-1.4	-2.4	-12.6	12.5	1.4	-18.1	4.4	2.0	3.1	-3.0	-10.6	3.9
-7.7	-4.4	-4.4	18.8	-4.8	-1.3	-7.2	13.1	-5.1	-17.5	4.6	11.4	6.6	-1.8	-12.5	13.1
-2.6	2.8	3.6	0.7	-3.0	2.9	2.8	0.2	-4.5	-16.8	29.5	-0.1	-0.8	-1.5	1.8	9.8
-0.4	-0.2	1.0	3.3	-1.0	-0.1	0.6	3.0	1.0	-17.7	19.3	4.7	6.2	-2.6	2.8	-0.8
2.9	-5.4	-1.9	8.9	1.7	-5.3	-1.8	8.1	3.0	-34.8	24.4	9.4	6.1	-6.8	9.1	0.7
-1.9	4.5	1.2	-2.3	-1.7	4.9	1.1	-2.5	-1.5	-16.2	15.1	1.6	6.7	-6.5	5.9	4.6
-5.8	12.8	1.9	-2.7	-4.9	10.2	1.7	-3.3	-3.7	19.7	10.3	-8.4	0.5	9.1	11.8	-2.5
-4.6	3.1	6.4	1.3	-4.9	3.1	4.4	1.8	0.8	11.8	18.3	3.1	6.2	5.9	-7.5	-7.7
-1.4	4.4	2.6	-1.6	0.2	3.0	0.5	-2.9	-1.1	-7.4	9.6	-0.7	-0.9	0.7	-1.9	7.1

17b IPP dan Indeks Sektor (2015=100) - Suku Tahunan
IPI and Sectors Indices (2015=100) - Quarterly

Keterangan Description		Wajaran	2022				2023	
		Weights 2015	I	II	III	IV	I	II
(A)	Indeks Index							
	IPP / IPI	100.0	122.6	123.6	128.4	130.4	126.2	123.2
	Perlombongan / Mining	25.1	94.7	92.8	91.0	97.0	96.7	90.1
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates	12.2	78.3	78.4	76.4	81.3	81.6	77.2
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)	12.9	110.3	106.3	104.8	111.9	111.0	102.4
	Pembuatan / Manufacturing	68.3	133.2	134.8	142.5	143.5	137.7	134.9
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	20.6	130.2	126.6	136.9	131.5	132.9	124.3
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products	9.4	118.6	110.7	128.4	122.3	128.0	108.7
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products	6.4	125.7	120.1	124.6	127.2	129.2	125.9
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products	0.4	156.2	162.7	185.6	174.3	165.3	163.1
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products	4.5	158.3	166.0	167.8	152.9	145.9	151.4
	Elektrik / Electric	6.6	119.4	124.7	125.6	121.8	119.7	128.2
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year							
	IPP / IPI		4.2	6.7	12.2	4.0	2.9	-0.3
	Perlombongan / Mining		-2.5	-2.2	8.6	6.1	2.1	-2.8
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates		-9.4	-6.4	1.9	4.4	4.2	-1.6
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)		2.7	0.9	13.7	7.3	0.6	-3.7
	Pembuatan / Manufacturing		6.3	9.3	13.4	4.0	3.4	0.1
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products		-0.7	-0.8	4.2	0.9	2.1	-1.8
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products		4.3	4.5	11.1	5.1	7.9	-1.8
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products		4.2	6.5	4.3	1.7	2.8	4.8
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products		9.9	4.9	7.0	3.0	5.8	0.2
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products		-12.5	-13.5	-5.4	-6.5	-7.8	-8.8
	Elektrik / Electric		2.0	5.8	8.7	-1.7	0.3	2.8
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter							
	IPP / IPI		-2.1	0.8	3.9	1.5	-3.3	-2.3
	Perlombongan / Mining		3.6	-2.1	-1.9	6.6	-0.3	-6.8
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates		0.5	0.2	-2.6	6.4	0.3	-5.4
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)		5.8	-3.6	-1.5	6.8	-0.8	-7.7
	Pembuatan / Manufacturing		-3.4	1.2	5.7	0.7	-4.0	-2.1
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products		-0.1	-2.7	8.1	-3.9	1.1	-6.5
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products		2.0	-6.7	16.0	-4.7	4.6	-15.1
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products		0.5	-4.4	3.7	2.1	1.6	-2.5
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products		-7.6	4.1	14.1	-6.1	-5.1	-1.4
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products		-3.2	4.8	1.1	-8.8	-4.6	3.7
	Elektrik / Electric		-3.6	4.5	0.7	-3.1	-1.7	7.1

Sumber : Indeks Pengeluaran Perindustrian (2015=100)

Source : Index of Industrial Production (2015=100)

18a IHPR (2010=100) Pengeluaran Tempatan, Pengekstrakan Petroleum Mentah & Gas Asli dan Pembuatan Kok & Produk Petroleum Bertapis - Tahunan
PPI (2010=100) Local Production, Extraction of Crude Petroleum & Natural Gas and Manufacture of Coke & Refined Petroleum Products - Annually

Keterangan Description	Wajaran Weights 2015	2015	2016	2017	2018	2019	2020	2021	2022
(A) Indeks Index									
IHPR / PPI	100.000	102.2	101.1	107.9	106.7	105.2	102.4	112.1	120.8
Perlombongan / Mining	7.927	86.1	72.9	90.9	106.8	102.9	65.5	92.5	104.2
Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum	5.782	79.2	73.8	96.5	116.6	110.8	66.9	98.8	105.1
Pengekstrakan Gas Asli Extraction of Natural Gas	2.145	108.9	70.2	72.4	75.4	78.2	63.6	73.7	105.9
Pembuatan / Manufacturing	81.571	104.8	103.5	109.0	107.0	106.0	105.6	111.4	120.8
Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products	10.038	107.5	92.7	112.6	124.6	126.4	117.7	133.4	160.6
(B) Perubahan Peratusan Tahunan Annual Percentage Change									
IHPR / PPI		-7.4	-1.1	6.7	-1.1	-1.4	-2.7	9.5	7.8
Perlombongan / Mining		-36.1	-15.3	24.6	17.5	-3.7	-36.3	41.2	12.6
Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		61.1	-6.9	30.8	20.8	-5.0	-39.6	47.6	6.3
Pengekstrakan Gas Asli Extraction of Natural Gas		-31.2	-35.6	3.2	4.1	3.8	-18.7	15.9	43.8
Pembuatan / Manufacturing		-3.6	-1.2	5.3	-1.8	-0.9	-0.4	5.5	8.4
Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		-19.3	-13.8	21.5	10.6	1.4	-6.9	13.4	20.4

Sumber : Indeks Harga Pengeluar Pengeluaran Tempatan (2010 = 100)
Source : Producer Price Index Local Production (2010 = 100)

18b **IHPR (2010=100) Pengeluaran Tempatan, Pengekstrakan Petroleum Mentah & Gas Asli dan Pembuatan Kok & Produk Petroleum Bertapis - Suku Tahunan**
PPI (2010=100) Local Production, Extraction of Crude Petroleum & Natural Gas and Manufacture of Coke & Refined Petroleum Products - Quarterly

Keterangan Description	Wajaran Weights 2015	2015				2016				2017			
		I	II	III	IV	I	II	III	IV	I	II	III	IV
(A) Indeks Index													
IHPR / PPI	100.000	104.2	102.0	101.0	101.7	99.6	99.7	100.4	104.7	109.6	107.2	107.0	107.9
Perlombongan / Mining	7.927	92.4	91.3	79.7	81.1	68.6	71.7	70.2	81.3	94.1	85.7	87.1	96.8
Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum	5.782	75.4	89.9	76.8	74.8	61.7	74.2	73.7	85.6	99.2	89.3	91.3	106.3
Pengekstrakan Gas Asli Extraction of Natural Gas	2.145	148.7	95.8	89.1	102.0	91.4	63.6	58.8	66.9	77.1	73.7	73.5	65.3
Pembuatan / Manufacturing	81.571	106.1	103.8	104.4	104.8	103.0	102.3	102.8	105.9	109.7	109.1	108.5	108.6
Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products	10.038	116.2	100.9	105.6	107.4	95.4	86.3	89.6	99.6	111.3	111.7	113.9	113.7
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year													
IHPR / PPI		-7.8	-9.1	-8.1	-4.5	-4.4	-2.3	-0.6	2.9	10.0	7.5	6.6	3.1
Perlombongan / Mining		-37.6	-36.9	-40.5	-27.8	-25.8	-21.5	-11.9	0.2	37.2	19.5	24.1	19.1
Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		-47.3	-36.0	-40.0	32.8	-18.2	-17.5	-4.1	14.4	60.9	20.4	23.9	24.2
Pengekstrakan Gas Asli Extraction of Natural Gas		-10.0	-39.7	-42.2	-34.1	-38.6	-33.6	-34.0	-34.5	-15.6	15.8	24.9	-2.3
Pembuatan / Manufacturing		-3.3	-5.0	-3.8	-2.1	-3.0	-1.4	-1.6	1.1	6.6	6.7	5.6	2.5
Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		-15.7	-24.3	-21.7	-15.3	-17.9	-14.5	-15.2	-7.3	16.7	29.5	27.1	14.2
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter													
IHPR / PPI		-2.2	-2.1	-1.0	0.7	-2.1	0.1	0.7	4.3	4.7	-2.2	-0.2	0.8
Perlombongan / Mining		-17.7	-1.2	-12.7	1.8	-15.5	4.6	-2.1	15.8	15.8	-8.9	1.7	11.1
Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		-24.1	19.3	-14.6	-2.6	-17.6	20.3	-0.7	16.2	15.9	-10.0	2.3	16.5
Pengekstrakan Gas Asli Extraction of Natural Gas		-4.0	-35.6	-6.9	14.5	-10.5	-30.4	-7.6	13.7	15.4	-4.5	-0.3	-11.1
Pembuatan / Manufacturing		-0.9	-1.2	-12.7	1.9	-15.5	4.5	-2.1	15.8	35.0	-0.6	-0.5	0.1
Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		-8.4	-13.2	4.7	1.7	-11.2	-9.5	3.8	11.2	11.7	0.4	1.9	-0.1

Sumber : Indeks Harga Pengeluar Pengeluaran Tempatan (2010 = 100)
Source : Producer Price Index Local Production (2010 = 100)

2018				2019				2020				2021			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
107.1	106.8	107.1	105.7	104.7	105.1	104.8	106.3	105.3	100.0	101.2	103.2	108.5	111.3	113.1	115.5
99.6	107.9	113.3	106.4	98.5	105.9	99.9	107.2	87.7	51.5	61.9	61.0	81.3	89.6	98.4	100.9
108.4	118.1	124.1	115.9	107.2	117.1	106.5	112.5	92.2	49.1	64.2	62.2	86.9	96.6	104.8	106.9
71.8	75.0	78.3	76.3	70.9	69.5	80.2	92.3	75.0	63.3	56.2	59.8	64.1	68.1	79.2	83.3
107.7	106.7	106.9	106.7	106.1	106.0	105.8	106.2	106.9	105.3	104.6	105.8	108.6	110.6	112.2	114.2
117.8	120.9	127.7	132.1	129.2	126.7	124.9	124.7	125.5	118.3	113.0	113.9	124.3	130.2	136.9	142.2
-2.3	-0.4	0.1	-2.0	-2.2	-1.6	-2.1	0.6	0.6	-4.9	-3.4	-2.9	3.0	11.3	11.8	11.9
5.9	25.9	30.0	10.0	-1.2	-1.8	-11.8	0.7	-10.9	-51.4	-38.0	-43.1	-7.3	73.9	58.9	65.3
9.3	32.3	36.0	9.0	-1.2	-0.8	-14.2	-2.9	-14.0	-58.1	-39.7	-44.8	-5.7	96.8	63.2	71.9
-7.0	1.8	6.6	16.9	-1.2	-7.4	2.4	21.0	5.8	-8.9	-29.9	-35.3	-14.6	7.6	41.0	39.4
-1.8	-2.2	-1.5	-1.7	-1.5	-0.7	-1.0	-0.5	0.8	-0.7	-1.1	-0.4	1.6	5.0	7.3	7.9
5.9	8.3	12.1	16.2	9.6	4.8	-2.2	-5.6	-2.8	-6.7	-9.5	-8.7	-1.0	10.1	21.2	24.9
-0.7	-0.3	0.3	-1.3	-0.9	0.4	-0.3	1.4	-0.9	-5.0	1.2	2.0	5.1	2.6	1.6	2.1
3.0	8.3	5.0	-6.0	-7.5	7.6	-5.7	7.3	-18.2	-41.2	20.1	-1.4	33.2	10.3	9.8	2.5
2.0	8.9	5.1	-6.7	-7.5	9.3	-9.1	5.7	-18.1	-46.8	30.9	-3.2	39.8	11.1	8.5	2.0
9.9	4.5	4.4	-2.5	-7.1	-2.1	15.5	15.1	-18.7	-15.7	-11.2	6.3	7.2	6.2	16.4	5.2
-0.8	-0.9	0.2	-0.2	-0.6	-0.1	-0.2	0.4	0.7	-1.5	-0.7	1.1	2.6	1.8	1.4	1.8
3.6	2.6	5.6	3.4	-2.2	-1.9	-1.5	-0.2	0.7	-5.7	-4.5	0.8	9.1	4.8	5.2	3.8

Keterangan Description	Wajaran Weights 2015	2022				2023	
		I	II	III	IV	I	II
(A) Indeks Index							
IHPR / PPI	100.000	119.6	123.6	120.4	119.6	118.6	118.5
Perlombongan / Mining	7.927	104.3	106.4	103.2	102.7	97.2	94.9
Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum	5.782	109.5	110.2	102.9	97.6	91.2	90.2
Pengekstrakan Gas Asli Extraction of Natural Gas	2.145	90.4	97.8	109.2	126.5	124.0	116.8
Pembuatan / Manufacturing	81.571	117.3	121.7	122.4	121.7	120.7	120.5
Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products	10.038	150.0	160.0	166.3	166.1	158.5	152.7
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year							
IHPR / PPI		10.2	11.1	6.5	3.5	-0.8	-4.1
Perlombongan / Mining		28.4	18.8	4.9	1.8	-6.8	-10.8
Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		25.9	14.1	-1.8	-8.6	-16.7	-18.1
Pengekstrakan Gas Asli Extraction of Natural Gas		41.1	43.6	37.8	51.8	37.2	19.4
Pembuatan / Manufacturing		8.0	10.0	9.1	6.6	2.9	-1.0
Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		20.7	22.9	21.4	16.8	5.7	-4.6
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter							
IHPR / PPI		3.5	3.3	-2.6	-0.7	-0.8	-0.1
Perlombongan / Mining		3.4	2.0	-3.0	-0.5	-5.4	-2.4
Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		2.4	0.6	-6.6	-5.1	-6.6	-1.1
Pengekstrakan Gas Asli Extraction of Natural Gas		8.4	8.2	11.7	15.8	-2.0	-5.8
Pembuatan / Manufacturing		2.7	3.8	0.6	-0.6	-0.8	-0.2
Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		5.5	6.6	3.9	-0.1	-4.6	-3.7

Sumber : Indeks Pengeluaran Perindustrian (2015=100)
Source : Index of Industrial Production (2015=100)

19a Statistik Guna Tenaga Sektor Perlombongan dan Pengkuarian mengikut Kemahiran - Tahunan
Employment Statistics of Mining and Quarrying Sector by Skill - Annually

Keterangan Description	2015	2016	2017	2018	2019	2020	2021	2022
(A) Bilangan ('000 orang) Total ('000 persons)								
Mahir Skilled	24.2	24.1	24.5	24.6	24.7	24.2	23.5	23.2
Separuh Mahir Semi-skilled	47.1	46.6	47.1	47.1	47.3	45.3	44.6	46.1
Berkemahiran Rendah Low-skilled	10.8	10.1	10.1	10.1	10.3	9.4	9.4	9.7
Jumlah Total	82.1	80.8	81.6	81.7	82.2	78.9	77.4	79.1
(B) Peratusan Sumbangan Percentage Share								
Mahir Skilled	29.4	29.8	30.0	30.1	30.0	30.7	30.3	29.4
Separuh Mahir Semi-skilled	57.4	57.7	57.7	57.6	57.5	57.3	57.6	58.3
Berkemahiran Rendah Low-skilled	13.2	12.5	12.3	12.3	12.5	12.0	12.1	12.3
Jumlah Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Statistik Guna Tenaga Suku Tahunan
Source : Quarterly Employment Statistics

19b

Statistik Guna Tenaga Sektor Perlombongan dan Pengkuarian mengikut Kemahiran - Suku Tahunan
Employment Statistics of Mining and Quarrying Sector by Skill - Quarterly

Keterangan Description		2015				2016				2017			
		I	II	III	IV	I	II	III	IV	I	II	III	IV
(A)	Bilangan ('000 orang) Total ('000 persons)												
	Mahir Skilled	24.2	24.0	24.0	24.2	23.2	23.7	23.7	24.1	22.2	22.5	23.4	24.5
	Separuh Mahir Semi-skilled	47.2	46.8	47.0	47.1	48.1	48.6	47.8	46.6	49.6	49.6	48.6	47.1
	Berkemahiran Rendah Low-skilled	11.0	10.9	10.8	10.8	10.2	10.2	9.9	10.1	9.7	9.7	9.9	10.1
	Jumlah Total	82.3	81.7	81.9	82.1	82.3	82.4	81.4	80.8	81.5	81.8	81.7	81.6
(B)	Peratusan Sumbangan Percentage Share												
	Mahir Skilled	29.4	29.4	29.4	29.4	28.2	28.7	29.1	29.8	27.2	27.5	28.5	30.0
	Separuh Mahir Semi-skilled	57.4	57.3	57.4	57.4	59.4	58.9	58.8	57.7	60.9	60.6	59.4	57.7
	Berkemahiran Rendah Low-skilled	13.3	13.3	13.2	13.2	12.4	12.4	12.1	12.5	11.9	11.9	12.1	12.3
	Jumlah Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Statistik Guna Tenaga Suku Tahunan
Source : Quarterly Employment Statistics

2018				2019				2020				2021			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
24.4	22.6	23.4	24.6	24.5	23.7	22.9	24.7	24.6	24.2	24.0	24.2	23.5	23.5	23.5	23.5
47.2	49.6	48.7	47.1	47.3	50.7	48.4	47.3	46.0	45.1	45.5	45.3	46.1	45.6	45.0	44.6
9.9	9.4	9.6	10.1	9.9	9.3	9.5	10.3	9.2	9.4	9.6	9.4	9.5	9.4	9.4	9.4
81.6	81.6	81.7	81.7	81.7	83.7	80.8	82.2	79.8	78.7	79.1	78.9	79.1	78.4	77.9	77.4
29.9	27.7	28.7	30.1	30.0	28.3	28.4	30.0	30.9	30.7	30.4	30.7	29.8	29.9	30.1	30.3
57.9	60.7	59.6	57.6	57.9	60.6	59.9	57.5	57.6	57.3	57.5	57.3	58.3	58.1	57.8	57.6
12.2	11.6	11.7	12.3	12.1	11.1	11.7	12.5	11.5	12.0	12.1	12.0	12.0	12.0	12.1	12.1
100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

19b

Statistik Guna Tenaga Sektor Perlombongan dan Pengkuarian mengikut Kemahiran - Suku Tahunan
Employment Statistics of Mining and Quarrying Sector by Skill - Quarterly

Keterangan Description		2022				2023 ^P	
		I	II	III	IV	I	II
(A)	Bilangan ('000 orang) Total ('000 persons)						
	Mahir Skilled	23.4	23.5	22.9	23.2	23.5	23.5
	Separuh Mahir Semi-skilled	44.4	44.3	45.4	46.1	46.4	46.8
	Berkemahiran Rendah Low-skilled	9.3	9.4	9.6	9.7	9.7	9.6
	Jumlah Total	77.1	77.2	77.9	79.1	79.7	79.9
(B)	Peratusan Sumbangan Percentage Share						
	Mahir Skilled	30.3	30.5	29.4	29.4	29.6	29.4
	Separuh Mahir Semi-skilled	57.6	57.3	58.3	58.3	58.2	58.6
	Berkemahiran Rendah Low-skilled	12.1	12.2	12.3	12.3	12.2	12.0
	Jumlah Total	100.0	100.0	100.0	100.0	100.0	100.0

Sumber : Statistik Guna Tenaga Suku Tahunan
Source : Quarterly Employment Statistics

Nota / Notes :
^P Awalan / Preliminary

Keterangan Description		2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p
(A) Produktiviti Productivity									
Nilai Ditambah pada Harga Malar Value Added at Constant Prices	(RM Juta) (RM Million)	103,059	105,368	105,838	103,557	102,887	92,879	93,717	96,199
Jumlah Jam Bekerja Total Hours Worked	(Juta Jam) (Million Hours)	190	190	196	185	185	168	175	181
Jumlah Pekerja Total Workers	('000 Orang) ('000 Persons)	79	76	81	76	75	74	75	76
Nilai Ditambah per Jam Pekerja Value Added per Hour Worked	RM	541	554	540	558	556	554	537	530
Nilai Ditambah per Pekerja Value Added per Employment	RM	1,303,562	1,380,564	1,313,956	1,367,042	1,363,562	1,259,637	1,249,966	1,267,278
(B) Perubahan Peratusan Tahunan Annual Percentage Change									
Nilai Ditambah pada Harga Malar Value Added at Constant Prices		-	2.2	0.4	-2.2	-0.6	-9.7	0.9	2.6
Jumlah Jam Bekerja Total Hours Worked		-	-0.04	2.9	-5.3	-0.3	-9.4	4.2	3.9
Jumlah Pekerja Total		-	-3.5	5.5	-6.0	-0.4	-2.3	1.7	1.2
Nilai Ditambah per Jam Pekerja Value Added per Hour Worked		-	2.3	-2.4	3.3	-0.4	-0.3	-3.2	-1.2
Nilai Ditambah per Pekerja Value Added per Employment		-	5.9	-4.8	4.0	-0.3	-7.6	-0.8	1.4

Sumber : Produktiviti Buruh Suku Tahunan

Source : Quarterly Labour Productivity

Nota / Notes :

^e Anggaran / Estimate^p Awalan / Preliminary

Keterangan Description		2015				2016				2017				
		I	II	III	IV	I	II	III	IV	I	II	III	IV	
(A)	Produktiviti Productivity													
	Nilai Ditambah pada Harga Malar Value Added at Constant Prices	(RM Juta) (RM Million)	26,879	25,729	24,260	26,191	26,586	26,313	24,927	27,542	26,845	26,187	25,500	27,305
	Jumlah Jam Bekerja Total Hours Worked	(Juta Jam) (Million Hours)	47	45	45	54	49	50	45	46	53	49	50	44
	Jumlah Pekerja Total Workers	('000 Orang) (‘000 Persons)	78	73	80	85	77	79	74	75	86	82	83	71
	Nilai Ditambah per Jam Pekerja Value Added per Hour Worked	RM	576	575	539	485	541	525	556	595	503	539	505	627
	Nilai Ditambah per Pekerja Value Added per Employment	RM	342,949	353,394	302,765	308,389	344,502	332,786	338,566	365,165	312,191	319,685	307,406	382,759
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year													
	Nilai Ditambah pada Harga Malar Value Added at Constant Prices		-	-	-	-	-1.1	2.3	2.7	5.2	1.0	-0.5	2.3	-0.9
	Jumlah Jam Bekerja Total Hours Worked		-	-	-	-	5.4	11.9	-0.4	-14.3	8.6	-3.1	12.6	-5.9
	Jumlah Pekerja Total Workers		-	-	-	-	-1.5	8.6	-8.1	-11.2	11.4	3.6	12.7	-5.4
	Nilai Ditambah per Jam Pekerja Value Added per Hour Worked		-	-	-	-	-6.1	-8.6	3.1	22.7	-7.0	2.7	-9.1	5.4
	Nilai Ditambah per Pekerja Value Added per Employment		-	-	-	-	0.5	-5.8	11.8	18.4	-9.4	-3.9	-9.2	4.8

Sumber : Produktiviti Buruh Suku Tahunan

Source : Quarterly Labour Productivity

2018				2019				2020				2021			
I	II	III	IV	I	II	III	IV	I	II	III	IV	I	II	III	IV
26,189	25,853	24,238	27,277	26,216	26,483	23,567	26,622	25,460	21,387	22,009	24,023	24,630	24,073	21,207	23,807
48	45	49	44	47	46	48	43	45	35	47	41	44	43	44	45
79	76	78	69	76	77	79	70	74	75	78	68	74	74	76	76
545	578	497	621	553	572	488	620	569	617	467	586	564	566	486	531
329,958	339,544	308,787	395,290	346,101	342,989	296,963	383,037	341,791	286,955	283,881	351,270	333,475	323,649	279,934	313,635
-2.4	-1.3	-5.0	-0.1	0.1	2.4	-2.8	-2.4	-2.9	-19.2	-6.6	-9.8	-3.3	12.6	-3.6	-0.9
-10.0	-7.8	-3.4	0.9	-1.3	3.5	-1.0	-2.2	-5.6	-25.1	-2.4	-4.5	-2.5	22.6	-7.3	9.3
-7.7	-7.0	-5.4	-3.3	-4.6	1.4	1.1	0.7	-1.7	-3.5	-2.3	-1.6	-0.8	-0.2	-2.3	11.0
8.3	7.1	-1.6	-1.0	1.5	-1.1	-1.8	-0.2	2.9	7.8	-4.3	-5.5	-0.8	-8.2	4.0	-9.3
5.7	6.2	0.4	3.3	4.9	1.0	-3.8	-3.1	-1.2	-16.3	-4.4	-8.3	-2.4	12.8	-1.4	-10.7

Keterangan Description		2022				2023		
		I	II	III	IV	I	II	
(A)	Produktiviti Productivity							
	Nilai Ditambah pada Harga Malar Value Added at Constant Prices	(RM Juta) (RM Million)	24,087	23,666	23,133	25,314	24,675	23,128
	Jumlah Jam Bekerja Total Hours Worked	(Juta Jam) (Million Hours)	45	45	46	46	46	47
	Jumlah Pekerja Total Workers	('000 Orang) (‘000 Persons)	76	76	76	76	76	76
	Nilai Ditambah per Jam Pekerja Value Added per Hour Worked	RM	531	531	506	553	540	495
	Nilai Ditambah per Pekerja Value Added per Employment	RM	317,764	312,671	304,286	332,521	323,940	303,173
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year							
	Nilai Ditambah pada Harga Malar Value Added at Constant Prices		-2.2	-1.7	9.1	6.3	2.4	-2.3
	Jumlah Jam Bekerja Total Hours Worked		3.9	4.8	4.8	2.0	0.9	4.7
	Jumlah Pekerja Total Workers		2.6	1.8	0.4	0.3	0.5	0.8
	Nilai Ditambah per Jam Pekerja Value Added per Hour Worked		-5.9	-6.2	4.1	4.2	1.6	-6.7
	Nilai Ditambah per Pekerja Value Added per Employment		-4.7	-3.4	8.7	6.0	1.9	-3.0

Sumber : Produktiviti Buruh Suku Tahunan

Source : Quarterly Labour Productivity

BAHAGIAN
PART

3



NOTA TEKNIKAL
TECHNICAL NOTES



A. PENDAHULUAN

Penerbitan ini mengandungi statistik pengeluaran, jualan, harga, eksport dan import berkaitan minyak mentah & kondensat dan gas asli. Selain itu, indikator makroekonomi yang merangkumi Keluaran Dalam Negeri Kasar (KDNK), Indeks Pengeluaran Perindustrian (IPP), Indeks Harga Pengeluar (IHPR) serta statistik guna tenaga dan produktiviti buruh turut dilaporkan dalam penerbitan ini.

B. SUMBER STATISTIK

Statistik yang diterima daripada Petroliaam Nasional Berhad (PETRONAS), Malaysia Thailand Joint Authority (MTJA) dan statistik yang disusun oleh Jabatan Perangkaan Malaysia (DOSM).

C. KONSEP DAN DEFINISI

Konsep dan definisi yang digunakan berasaskan kepada syor *International Recommendation for Industrial Statistics*, 2008 oleh *United Nations Statistics Division* dan *Joint Organisations Data Initiative* (JODI). Konsep tersebut adalah mengikut amalan yang telah diterima pakai dan dengan itu memudahkan perbandingan data di peringkat antarabangsa.

Takrif perlombongan yang digunakan adalah seperti berikut:

“Perlombongan adalah ditakrifkan sebagai pengekstrakan, pembersihan dan pemanfaatan mineral-mineral semulajadi, berbentuk pepejal seperti arang batu dan bijih, cecair seperti minyak mentah dan berbentuk gas seperti gas asli. Perlombongan termasuk lombong bawah tanah dan lombong permukaan, kuari dan telaga-telaga dan semua kegiatan tambahan untuk pembersihan dan pemanfaatan bijih dan mineral mentah lain seperti pemecahan, penapisan, pembasuhan, pembersihan, penggredan, pengilangan, pengapungan, peleburan, penggentelan, pengkacipan dan persiapan-persiapan lain yang diperlukan bagi menyediakan bahan-bahan ini untuk membolehkannya dipasarkan. Aktiviti perlombongan juga dikelaskan kepada kumpulan-kumpulan berdasarkan mineral utama yang dikeluarkan”.

1. Minyak Mentah

Satu campuran hidrokarbon yang wujud dalam bentuk cecair dalam takungan bawah tanah semula jadi dan kekal sebagai cecair pada tekanan atmosfera selepas melalui kaedah pemisahan permukaan.

2. Kondensat

Hidrokarbon dalam bentuk gas di bawah takungan dan bertukar menjadi cecair apabila dibawa ke permukaan bumi dan bebas daripada suhu dan tekanan yang tinggi.

3. Gas asli

Gas asli adalah cecair atau cecair hidrokarbon yang diperolehi daripada gas asli semasa proses pengasingan atau loji pemprosesan gas. Gas asli cecair termasuk etana, propana, butana (normal dan iso-), (iso) pentana dan pentana ditambah (juga dirujuk sebagai gasolin semula jadi atau kondensat tumbuhan). Gas asli boleh diklasifikasikan seperti berikut:

i. Gas bersekutu

Gas asli yang dikenali sebagai *gas-caps* yang terletak di atas dan bersekali dengan minyak dalam takungan.



ii. Gas tidak bersekatu

Gas asli yang tidak bersekali dengan minyak mentah dalam takungan.

4. Gas Petroleum Cecair (LPG)

Gas petroleum cecair (LPG) adalah nama generik bagi propana dan butana komersial. Gas ini dihasilkan daripada kilang pemprosesan gas asli atau dari kilang penapisan.

LPG wujud secara semula jadi sebagai gas pada tekanan atmosfera. LPG mempunyai kaedah khas untuk menjadi cecair pada suhu atmosfera jika dimampatkan dengan sederhana, dengan mudah ia boleh ditukar dari cecair ke gas pada tekanan atmosfera. Bagi memudahkan pengangkutan dan penyimpanan, LPG biasanya dibotolkan dalam keadaan cecair (kira-kira 250 kali lebih padat daripada bentuk gas), walau bagaimanapun propana boleh dibekalkan secara pukal untuk tangki simpanan di premis pengguna.

LPG digunakan secara domestik, terutamanya untuk tujuan pemanasan dan memasak serta perindustrian, contohnya sebagai bahan mentah untuk industri petrokimia. Ia juga semakin digunakan dalam sektor pengangkutan sebagai bahan api kenderaan, kerana sifat-sifat pembakaran bersih dan harga yang lebih rendah.

5. Gasolin

i. Gasolin motor

Gasolin motor adalah bahan api utama yang digunakan dalam sektor pengangkutan/jalan dan kira-kira 25 peratus daripada jumlah penggunaan minyak di dunia.

Gasolin motor adalah campuran kompleks hidrokarbon yang tidak menentu yang digunakan untuk *internal spark-ignition engines*. Gasolin dihasilkan di kilang hasil daripada penyulingan utama minyak mentah dan proses selanjutnya, termasuk mengubah struktur molekul, sehingga memenuhi spesifikasi yang diperlukan. Ciri-ciri gasolin yang dihasilkan bergantung kepada jenis minyak mentah yang digunakan dan persediaan kilang di mana ia dihasilkan.

Gasolin motor mungkin termasuk beberapa kuantiti bahan tambahan dan komponen campuran untuk memperbaiki sifat-sifat bahan api seperti contohnya *octane number*, kestabilan dan pembentukan deposit dalam enjin.

ii. Gasolin penerbangan

Gasolin penerbangan adalah campuran beberapa sebatian hidrokarbon yang berbeza. Keperluan spesifikasi untuk gasolin penerbangan, terutamanya adalah *anti-knock*, ketidakstabilan, kecairan, kestabilan, kehakisan dan kebersihan menetapkan batasan terperinci pada bahan-bahan yang boleh digunakan.

6. Minyak Bahan Api

Minyak bahan api adalah produk campuran berdasarkan sisa dari pelbagai penapisan, penyulingan dan proses pemecahan. Ia adalah cecair likat dengan sifat bau dan ia memerlukan pemanasan untuk penyimpanan dan pembakaran. Minyak bahan api berat digunakan dalam medium untuk industri kilang besar, aplikasi marin dan stesen kuasa dalam peralatan pembakaran seperti dandang, relau dan enjin diesel.



7. Minyak Diesel/gas

Minyak diesel/gas adalah minyak bahan api ringan yang disuling semasa proses penapisan dan digunakan terutamanya untuk pemanasan, tujuan automotif dalam enjin diesel dan penjanaan kuasa.

Dua jenis minyak diesel/gas yang utama dibezakan dari segi kegunaannya:

i. Pengangkutan diesel

Bahan api yang digunakan untuk pembakaran dalam enjin diesel di jalan raya, kereta, lori dan lain-lain, biasanya kandungan sulfur adalah rendah.

ii. *Heating oil* dan minyak gas lain

Minyak bahan api sulingan yang terutamanya digunakan dalam *stationary* atau *marine diesel engines*. Ia termasuk *light heating oil* yang digunakan untuk ruang pemanasan kediaman atau komersial, atau dalam industri kilang. Ia juga termasuk diesel marin untuk kegunaan tongkang dan bot enjin dan minyak gas berat lain yang boleh digunakan sebagai stok bahan petrokimia.

8. Minyak Pelincir Campuran

Minyak pelincir campuran adalah hidrokarbon yang dihasilkan daripada sulingan mengikut produk dan digunakan terutamanya untuk mengurangkan geseran antara permukaan *bearing* pada kenderaan. Minyak ini termasuk semua gred minyak pelincir akhir, dari minyak gelendong (*spindle*) sehingga minyak silinder, serta yang digunakan di dalam gris, termasuk minyak motor dan semua gred minyak pelincir asas.

9. Minyak Tanah

i. Kerosin jet

Merupakan sulingan yang digunakan untuk unit kuasa turbin penerbangan. Ia mempunyai ciri-ciri yang sama di antara penyulingan 150°C dan 300°C (biasanya tidak melebihi 250°C) dan titik kilat seperti minyak tanah. Di samping itu, ia mempunyai spesifikasi tertentu (seperti titik beku) yang ditubuhkan oleh Persatuan Pengangkutan Udara Antarabangsa (IATA).

ii. Lain-lain minyak tanah

Penyulingan sederhana minyak antara 150°C dan 300°C, sekurang-kurangnya 65 peratus daripada jumlah sulingan pada 250°C. Gravitinya adalah kira-kira 0.80 dan titik kilat adalah melebihi 38°C. Ia digunakan sebagai cahaya dan bahan api dalam beberapa jenis enjin *spark-ignition*, seperti yang digunakan untuk traktor pertanian dan enjin pegun. Nama-nama lain untuk produk ini adalah pembakaran minyak, pemeluwapan minyak, *power kerosene* dan *illuminating oil*.

10. Nafta

Nafta adalah bahan mentah yang digunakan sama ada untuk industri petrokimia (cth: pengeluaran etilena atau pengeluaran aromatik) atau untuk pengeluaran gasolin oleh proses *reforming* atau *isomeration* dalam penapisan. Nafta terdiri daripada bahan dalam peringkat penyulingan 30°C dan 210°C atau sebahagian daripada selang ini.



11. Purata Harga 'Lifting' Berpemberat

Harga purata 'lifting' berpemberat Minyak mentah dan kondensat adalah harga yang diwartakan.

12. Minyak Mentah *West Texas Intermediate (WTI)*

Aliran minyak mentah yang dihasilkan di Texas dan Oklahoma Selatan yang berfungsi sebagai rujukan atau "penanda aras" untuk menetapkan harga beberapa aliran minyak mentah lain dan yang didagangkan dalam pasaran tempatan domestik di Cushing, Oklahoma.

13. Minyak Mentah *Brent*

Sejenis mentah campuran yang dihasilkan di kawasan Laut Utara United Kingdom yang berfungsi sebagai rujukan atau "penanda aras" untuk menetapkan harga beberapa aliran minyak mentah lain.

14. *Henry Hub*

Hab saluran paip di pantai Teluk Louisiana. Ia adalah pusat penghantaran untuk kontrak perniagaan gas asli masa hadapan di *New York Mercantile Exchange (NYMEX)*.

15. Eksport Negara Destinasi

Sesuatu barang (keluaran atau buatan tempatan atau diimport untuk dieksport semula) dianggap sebagai eksport apabila ianya dibawa keluar dari negara.

Eksport dikelaskan mengikut negara destinasi, iaitu negara di mana barangan itu dijangka akan digunakan; berdasarkan sejauh mana maklumat ini dapat ditentukan pada masa ianya dieksport. Bagi barangan yang dihantar dengan *optional bill of lading*, negara di mana pelabuhan pertama diketahui akan dikira sebagai negara yang dituju. Bagi barangan yang dieksport melalui Singapura, jika maklumat mengenai negara yang ditujunya tidak dapat ditentukan, maka eksport berkenaan adalah dimasukkan di bawah nilai eksport ke Singapura, iaitu di bawah kategori yang sama seperti barangan yang digunakan di Singapura.

16. Import mengikut Negara Asal

Sesuatu barang dianggap sebagai import apabila ianya dibawa masuk ke dalam negara, sama ada terus ataupun disimpan di gudang-gudang yang dikawal tanpa mengira sama ada barang tersebut adalah untuk kegunaan sendiri, diproses, digunakan dalam perkilangan ataupun untuk dieksport semula ke negara lain.

Import dikelaskan mengikut negara asal barangan, iaitu negara di mana barangan itu dibentuk dengan lengkap seperti mana ianya diimport masuk ke dalam negara. Bagi barangan melalui Singapura, jika maklumat negara asalnya tidak dapat ditentukan, maka import berkenaan dimasukkan di bawah nilai import dari Singapura, iaitu di bawah kategori yang sama seperti barangan yang dibuat di Singapura.

**17. Keluaran Dalam Negeri Kasar**

Keluaran Dalam Negeri Kasar (KDNK) adalah jumlah nilai barangan dan perkhidmatan yang dikeluarkan dalam tempoh tertentu selepas ditolak kos barang dan perkhidmatan yang digunakan dalam proses pengeluaran. Nilai ini merupakan nilai sebelum ditolak nilai peruntukan bagi modal tetap; iaitu jumlah nilai ditambah pada harga pengeluar bagi pengeluar residen ditambah dengan duti import. KDNK ini juga bersamaan dengan perbelanjaan ke atas KDNK (pada harga pembeli) iaitu jumlah bagi semua komponen perbelanjaan akhir ke atas barangan dan perkhidmatan tolak dengan import barangan dan perkhidmatan.

KDNK boleh diukur dengan menggunakan tiga kaedah iaitu Kaedah Pengeluaran, Perbelanjaan dan Pendapatan. Namun begitu, penerbitan KDNK DOSM hanya menggunakan Kaedah Pengeluaran dan Perbelanjaan sahaja.

18. Indeks Pengeluaran Perindustrian Malaysia (2015=100)

Indeks Pengeluaran Perindustrian Malaysia (IPP) adalah untuk mengukur kadar perubahan sebenar pengeluaran komoditi perindustrian bagi satu tempoh masa. IPP merangkumi tiga sektor utama iaitu Perlombongan, Pembuatan dan Elektrik. Liputan ini adalah selaras dengan definisi sektor perindustrian dalam *International Recommendations for the Index of Industrial Production (IRIIP) 2010* yang dikeluarkan oleh *United Nations*.

19. Indeks Harga Pengeluar Pengeluaran Tempatan (2010=100)

Indeks Harga Pengeluar (IHPR) Pengeluaran Tempatan adalah untuk mengukur purata perubahan harga yang dikenakan oleh pengeluar barangan dalam sesuatu industri. IHPR yang merupakan indeks berasaskan output ini juga merupakan penunjuk ekonomi makro yang digunakan bagi memantau pergerakan harga output tempatan dan sering dilihat sebagai penunjuk awalan kepada Indeks Harga Pengguna.

20. Pekerja

Semua orang yang bekerja sekurang-kurangnya sejam semasa minggu rujukan untuk mendapatkan upah, keuntungan atau keuntungan keluarga sama ada sebagai majikan, pekerja, bekerja sendiri atau pekerja keluarga tanpa gaji. Mereka juga dianggap bekerja jika:

- i. Tidak bekerja semasa minggu rujukan disebabkan sakit, kecederaan, tiada upaya, cuaca buruk, bercuti, pertelingkahan buruh dan sebab-sebab sosial atau keagamaan tetapi mempunyai pekerjaan, ladang, perusahaan atau perusahaan keluarga lain untuk kembali bekerja.
- ii. Tidak bekerja buat sementara waktu tetapi bergaji dan pasti akan dipanggil bekerja semula.
- iii. Mereka yang bekerja kurang 30 jam seminggu semasa minggu rujukan disebabkan keadaan kerja atau kerja yang tidak mencukupi.
- iv. Mereka yang bekerja dalam keadaan guna tenaga tidak penuh:
 - Guna tenaga tidak penuh berkaitan masa merupakan kumpulan yang bekerja kurang daripada 30 jam semasa minggu rujukan disebabkan keadaan kerja atau kerja yang tidak mencukupi dan berkeupayaan serta sanggup menerima tambahan bilangan jam bekerja.



- Guna tenaga tidak penuh berkaitan kemahiran mereka yang mempunyai pendidikan tertiar dan bekerja dalam kategori separuh mahir dan berkemahiran rendah.
 - Mereka yang bekerja lebih daripada 30 jam semasa minggu rujukan merupakan guna tenaga penuh.
- v. Bekerja semasa menjalani latihan atau aktiviti peningkatan kemahiran yang diperlukan oleh pekerjaan contohnya mereka yang mengikuti program *Reskilling and Upskilling*. (merujuk laporan III, ICLS 19th).
- vi. Perantis atau pelatih yang menerima bayaran tunai atau barangan seperti pelajar praktikal yang berbayar. (merujuk laporan III, ICLS 19th).

21. Kategori Kemahiran

Kategori kemahiran telah dikelaskan semula kepada tiga tahap kemahiran seperti berikut:

Kemahiran	MASCO 2013
Mahir	1. Pengurus 2. Profesional 3. Juruteknik dan profesional bersekutu
Separuh Mahir	1. Pekerja sokongan perkeranian 2. Pekerja perkhidmatan dan jualan 3. Pekerja mahir pertanian, perhutanan, penternakan, dan perikanan 4. Pekerja kemahiran dan pekerja pertukangan yang berkaitan 5. Operator mesin dan loji, dan pemasang
Berkemahiran Rendah	1. Pekerja asas

22. Produktiviti Buruh per Pekerja

Produktiviti buruh per pekerja ditakrifkan sebagai nisbah output (barangan dan perkhidmatan) kepada input (pekerja).

Ia menggambarkan jumlah output yang dihasilkan oleh setiap orang yang bekerja sepenuh masa, separuh masa, bekerja sendiri atau pekerja keluarga tanpa gaji yang bekerja sekurang-kurangnya satu jam dalam seminggu. Pekerja merujuk kepada keseluruhan pekerja pada akhir tempoh rujukan.

23. Produktiviti Buruh per Jam Bekerja

Produktiviti buruh per jam bekerja ditakrifkan sebagai nisbah output (barangan dan perkhidmatan) kepada input (jumlah jam bekerja). Ia menggambarkan jumlah output yang dihasilkan dalam tempoh sejam berdasarkan kategori pekerja yang bekerja sepenuh masa, separuh masa, bekerja sendiri atau pekerja keluarga tanpa gaji yang bekerja sekurang-kurangnya satu jam dalam seminggu.



Pekerja merujuk kepada keseluruhan pekerja kecuali mereka yang tidak bekerja pada akhir tempoh rujukan kerana sakit, kecederaan, hilang upaya, cuaca buruk, cuti, pertikaian buruh dan sebab sosial atau agama.

D. **KLASIFIKASI**

Klasifikasi sektor Perlombongan dan pengkuarian adalah berdasarkan Piawaian Klasifikasi Industri Malaysia (MSIC) 2008 Ver. 1.0 (Rujuk Lampiran).



A. INTRODUCTION

This publication provides a statistics on production, sales, prices, exports and imports of crude oil & condensate and natural gas. In addition, macroeconomic indicators which include Gross Domestic Product (GDP), Industrial Production Index (IPI), Producer Price Index (PPI) as well as employment and labour productivity statistics are also reported to complete the statistics in this publication.

B. SOURCES OF STATISTICS

Statistics obtained from Petroliaam Nasional Berhad (PETRONAS), Malaysia Thailand Joint Authority (MTJA) and statistics compiled by Department of Statistics Malaysia (DOSM).

C. CONCEPTS AND DEFINITIONS

The concepts and definitions used are based on the International Recommendation for Industrial Statistics, 2008 by United Nations Statistics Division and the Joint Organisations Data Initiative (JODI). These concept are in accordance with the practices that have been adopted and thus facilitates the comparison of data internationally.

The definition of mining used is as follows:

“Mining is defined as the extraction, dressing and beneficiating of minerals occurring naturally as solids, such as coal and ores, liquids, such as crude oil, or gases, such as natural gas. Mining also includes underground and surface mines, quarries and wells and all supplemental activities for dressing and beneficiating ores and other crude minerals such as crushing, screening, washing, cleaning, grading, milling, flotation, melting, pelleting, topping and other preparations needed to render the material marketable. Mining activities are classified into groups on the basis of the principal mineral produced.”

1. Crude Oil

A mixture of hydrocarbons that exist in liquid form in a natural underground reservoir and remain as a liquid at atmospheric pressure after going through the surface separation method.

2. Condensate

Hydrocarbons are in the form of gases below the reservoir and turn into liquids when brought to the earth’s surface and are free from high temperatures and pressures.

3. Natural gas

Natural gas is liquid or liquefied hydrocarbons recovered from natural gas in separation facilities or gas processing plants. Liquefied natural gas includes ethane, propane, butane (normal and iso-), (iso) pentane and pentanes plus (sometimes referred to as natural gasoline or plant condensate). Natural gas can be classified as follows:

i. Associated gas

Natural gas known as gas-caps are located above and along with the oil in the reservoir.

ii. Non-associated gas

Natural gas that is not mixed with crude oil in the reservoir.



4. **Liquefied Petroleum Gas (LPG)**

Liquefied petroleum gas (LPG) is the generic name for commercial propane and commercial butane. It can be produced from natural gas processing plants, oil refineries and in natural gas liquefaction plants.

LPG occurs naturally as gas at atmospheric pressure. It has the special property of becoming liquid at atmospheric temperature if moderately compressed and can easily be converted from liquid into gas by being released to atmospheric pressure. In order to facilitate transport and storage, LPG is usually bottled in liquid state (about 250 times more dense than in its gaseous form), propane however can also be supplied in bulk for storage tanks at consumers' premises.

LPG is used domestically, mainly for heating and cooking purposes and industrially for example as feedstock to the petrochemical industry. It is also increasingly used in the transport sector as vehicle fuel, because of its cleaner burning properties and often lower end-use price.

5. **Gasoline**

i. **Motor gasoline**

Motor gasoline is the principal fuel used in the transport/road sector and accounts for some 25 per cent of total oil use in the world.

Motor gasoline is a complex mixture of relatively volatile hydrocarbons used for spark-ignition internal combustion engines. Gasoline is produced in refineries as the result of primary distillation of crude oil and then further processing, including changing the molecular structure, until the required specifications are met. The characteristics of the gasoline produced depend on the type of crude oil that is used and the setup of the refinery at which it is produced.

Motor gasoline may include some quantities of additives and blending components to improve fuel properties such as octane number, stability and deposit formation in engines.

ii. **Aviation gasoline**

Aviation gasoline is a mixture of many different hydrocarbon compounds. The specification requirements for aviation gasoline, especially anti-knock, volatility, fluidity, stability, corrosiveness, and cleanliness impose severe limitations on the compounds that can be used.

6. **Fuel Oil**

Fuel oil is a blended product based on the residues from various refinery distillation and cracking processes. It is a viscous liquid with a characteristic odour and it requires heating for storage and combustion. Fuel oil is used in medium to large industrial plants, marine applications and power stations in combustion equipment such as boilers, furnaces and diesel engines.



7. **Gas/diesel Oil**

Gas/diesel oil is a lighter fuel oil distilled off during the refining process and used primarily for heating, automotive purposes in diesel engines and for power generation. Two main types are distinguished by their uses:

i. **Transport diesel**

Fuel used for internal combustion in on-road diesel engines, cars, trucks and etc., usually of low sulphur content.

ii. **Heating oil and other gas oil**

This is a distillate fuel oil used mainly in stationary or marine diesel engines. It includes light heating oil which is used for residential or commercial space heating, or in industrial plants. It also includes marine diesel which is used for barge and boat engines and other heavier gas oils which may be used as petrochemical feed stocks.

8. **Blended Lubricating Oil**

Blended lubricating oil is hydrocarbons produced from distillate by product and they are mainly used to reduce friction between bearing surfaces. This category includes all finished grades of lubricating oil, from spindle oil to cylinder oil, and those used in grease, including motor oils and all grades of lubricating oil base stocks.

9. **Kerosenes**

i. **Kerosene type jet fuel**

This is a distillate used for aviation turbine power units. It has the same distillation characteristics between 150°C and 300°C (generally not above 250°C) and has flash point as kerosene. In addition, it has particular specifications (such as freezing point) which are established by the International Air Transport Association (IATA).

ii. **Other kerosene**

Medium distillation of oil between 150°C and 300°C, at least 65 per cent of the total distillation at 250°C. Its gravity is about 0.80 and the flash point is above 38°C. It is used as light and fuel in some types of spark-ignition engines, such as those used for agricultural tractors and stationary engines. Other names for this product are burning oil, vaporizing oil, power kerosene and illuminating oil.

10. **Naphtha**

Naphtha is a raw material used either for the petrochemical industry (e.g. ethylene production or aromatic production) or for the production of gasoline by reforming or isomerization processes in refining. Naphtha consists of substances in distillation stages of 30°C and 210°C or part of this interval.

11. **Weighted Average Lifting Price (WALP)**

Weighted Average Lifting Price (WALP) of Crude oil and condensate are gazetted prices.

12. **West Texas Intermediate (WTI) Crude Oil**

A crude stream produced in Texas and southern Oklahoma which serves as a reference or "marker" for pricing a number of other crude streams and which is traded in the domestic spot market at Cushing, Oklahoma.

**13. Brent Crude Oil**

A blended crude stream produced in the North Sea region of United Kingdom which serves as a reference or "marker" for pricing a number of other crude streams.

14. Henry Hub

A pipeline hub on the Louisiana Gulf coast. It is the delivery point for the natural gas futures contract on the New York Mercantile Exchange (NYMEX).

15. Exports by Country of Destination

Goods (locally produced or manufactured or imported for subsequent re-exports) are regarded as exports when they are taken out of the country.

Exports are classified according to the country of destination, that is the country where it is expected that the goods will be consumed insofar as this can be ascertained at the time of export. In the case of goods shipped on an optional bill of lading, the country of the first port declared is taken as the country of destination. For goods exported via Singapore, if information regarding the country of destination of goods is not known/available, such exports are included under the value of exports to Singapore that is under the same category as goods consumed in Singapore.

16. Imports by Country of Origin

Goods are regarded as imports when they are brought into the country either directly or into bonded warehouses, irrespective of whether such goods are for consumption, to be processed, use in manufacturing or subsequent re-exports to other countries.

Imports are classified according to the country of origin of the goods, that is the country where the goods are given the final form in which they are imported into the country. For goods imported via Singapore, if information regarding the country of origin cannot be ascertained, such imports are included under the value of imports from Singapore, that is under the same category as goods produced/manufactured in Singapore.

17. Gross Domestic Product (GDP)

GDP is the total value of all goods and services produced in a certain period after deducting the cost of goods and services used up in the process of production. This value is before deducting the allowances for consumption of fixed capital i.e. the sum of value added of resident producer in producer's price plus import duties. GDP is equivalent to expenditure on the GDP (in purchaser's price) i.e. the sum of all components of final expenditure on goods and services less imports of goods and services.

GDP can be measured by using three approaches namely Production, Expenditure and Income Approach. However, the DOSM publication only presents Production and Expenditure Approach.

18. Industrial Production Index, Malaysia (2015=100)

Industrial Production Index, Malaysia (IPI) is to measure the rate of change in the production of industrial commodities in real terms over time. The IPI covers three major sectors namely Mining, Manufacturing and Electricity. This coverage is in line with the industrial sector definition in the International Recommendations for the Index of Industrial Production (IRIIP) 2010 issued by the United Nations.



19. **Producer Price Index Local Production (2010=100)**

Producer Price Index (PPI) local production is to measures the average changes in price of commodities charged by domestic producers of an industry. The PPI, which is an output-based index, is also a macroeconomic indicator used to monitor the price movements of local outputs and is often viewed as a leading indicator of Consumer Price Index.

20. **Persons Engaged**

All persons who, at any time during the reference week worked at least one hour for pay, profit or family gain either as an employer, employee, own-account worker or unpaid family worker. They are also considered as employed if they:

- i. Did not work during the reference week because of illness, injury, disability, bad weather, leave, labour dispute and social or religious reasons but had a job, farm, enterprise or other family enterprise to return to.
- ii. Were temporary laid-off with pay and would definitely be called back to work.
- iii. Were employed less than 30 hours per week during the reference week because of the nature of their work.
- iv. Were employed in the category of underemployment:
 - Time-related underemployment were a group of people who employed less than 30 hours during the reference week because of the nature of their work or due to insufficient work and are able and willing to accept additional hours of work.
 - Skill-related underemployment were those with tertiary education and working in the semi-skilled and low-skilled categories
 - Persons who were employed more than 30 hours during the reference week are considered to be in full employment.
- v. Person who works for pay or profit while on training or skills-enhancement activities required by the job or for another job for example those who follow Reskilling and Upskilling programs. This refers to the 19th International Conference of Labour Statisticians (ICLS).
- vi. Apprentices, interns or trainees who work for pay in cash or in kind such paid practical students. This also refers to the 19th ICLS.

21. **Category of Skill**

The category of skill is regrouped into three levels of skill as follows:

Skill	MASCO 2013
Skilled	1. Managers 2. Professionals
Semi-skilled	1. Clerical support workers 2. Service and sales workers 3. Skilled agricultural, forestry, livestock and fishery workers 4. Craft and related trades workers 5. Plant and machine operators and assemblers
Low-skilled	1. Elementary occupations

**22. Labour Productivity per Employment**

Labour productivity per employment is measured as the ratio of output (goods and services) to input (employment).

It reflects the amount of output produced by each employee in full-time, part-time, or self-employed or unpaid family worker for at least one hour within a week. Employment refers to the overall number of employees at the end of the reference period.

23. Labour Productivity per Hour Worked

Labour productivity per hour worked is defined as the ratio of output (goods and services) to input (total working hours). It reflects the amount of output produced within an hour based on the category of employees either in full-time, part-time or self-employed or unpaid family worker who worked for at least one hour within a week.

Employment refers to the overall number of employees excluding the employees who did not work during the reference period because of illness, injury, disability, bad weather, leave, labour dispute and social or religious reasons.

D. CLASSIFICATION

The Classification of Mining and quarrying sector is based on Malaysia Standards Industrial Classification (MSIC) 2008 Ver. 1.0 (Refer Appendix).



LAMPIRAN

APPENDIX



Piawaian Klasifikasi Industri Malaysia, 2008 Ver. 1.0
Malaysia Standards Industrial Classification 2008 Ver. 1.0

Kumpulan Group	Perkara Details	Keterangan	Description
051		Perlombongan batu arang pepejal	Mining of hard coal
	05100	Perlombongan batu arang pepejal	Mining of hard coal
052		Perlombongan lignit	Mining of lignite
	05200	Perlombongan lignit (batu arang perang)	Mining of lignite (brown coal)
061		Pengekstrakan petroleum mentah	Extraction of crude petroleum oils
	06101	Pengekstrakan minyak petroleum mentah	Extraction of crude petroleum oils
	06102	Pengekstrakan bitumen atau minyak batu syal dan pasir tar	Extraction of bituminous or oil shale and tar sand
	06103	Pengeluaran petroleum mentah daripada batu syal dan pasir berbitumen	Production of crude petroleum from bituminous shale and sand
	06104	Proses mendapatkan minyak mentah	Processes to obtain crude oils
062		Pengekstrakan gas asli	Extraction of natural gas
	06201	Pengeluaran hidrokarbon mentah bergas (gas asli)	Production of crude gaseous hydrocarbon (natural gas)
	06202	Pengekstrakan kondensat	Extraction of condensates
	06203	Penyaliran dan pemisahan komponen hidrokarbon cecair	Draining and separation of liquid hydrocarbon fractions
	06204	Penyahsulfuran gas	Gas desulphurization
	06205	Perlombongan cecair hidrokarbon, diperoleh melalui pencairan atau penguraian kimia (pirolisis)	Mining of hydrocarbon liquids, obtain through liquefaction or pyrolysis
071		Perlombongan bijih besi	Mining of ores
	07101	Perlombongan bijih yang tinggi kandungan besi	Mining of ores valued chiefly for iron content
072		Perlombongan bijih logam bukan besi (non-ferrous)	Mining of non-ferrous metal ores
	07210	Perlombongan bijih uranium dan torium	Mining of uranium and thorium ores
	07291	Perlombongan bijih timah	Mining of tin ores
	07292	Perlombongan tembaga	Mining of copper
	07293	Perlombongan bauksit (aluminium)	Mining of bauxite (aluminium)
	07294	Perlombongan ilmenit	Mining of ilmenite
	07295	Perlombongan emas	Mining of gold
	07296	Perlombongan perak	Mining of silver
	07297	Perlombongan platinum	Mining of platinum
	07298	Pembilasan amang	Amang retreatment
	07299	Perlombongan bijih logam bukan besi lain	Mining of other non-ferrous metal ores n.e.c.



Piawaian Klasifikasi Industri Malaysia, 2008 Ver. 1.0
Malaysia Standards Industrial Classification 2008 Ver. 1.0

Kumpulan Group	Perkara Details	Keterangan	Description
081		Pengkuarian batu, pasir dan tanah liat	Quarrying of stone, sand and clay
	08101	Pengkuarian, pemotongan kasar bongkah batu dan batu bangunan seperti marmar, granit (batu dimensi), batu pasir	Quarrying, rough trimming and sawing of monumental and building stone such as marble, granite (dimension stone), sandstone
	08102	Pengkuarian, penghancuran dan pemecahan batu kapur	Quarrying, crushing and breaking of limestone
	08103	Perlombongan gipsum dan anhidrit	Mining of gypsum and anhydrite
	08104	Perlombongan kapur dan dolomit yang tidak dirawat	Mining of chalk and uncalcined dolomite
	08105	Pengekstrakan dan penggorekan bagi industri pasir, pasir untuk sektor pembinaan dan kerikil	Extraction and dredging of industrial sand, sand for construction and gravel
	08106	Pemecahan dan penghancuran batu dan kerikil	Breaking and crushing of stone and gravel
	08107	Pengkuarian pasir	Quarrying of sand
	08108	Perlombongan tanah liat, refraktori tanah liat dan kaolin	Mining of clays, refractory clays and kaolin
	08109	Pengkuarian, penghancuran dan pemecahan granit	Quarrying, crushing and breaking of granite
089		Perlombongan dan pengkuarian t.t.t.l	Mining and quarrying n.e.c
	08911	Perlombongan fosfat semulajadi	Mining of natural phosphates
	08912	Perlombongan garam kalium (potassium) semulajadi	Mining of natural potassium saltes
	08913	Perlombongan sulfur semulajadi	Mining of native sulphur
	08914	Pengekstrakan dan penyediaan pirit dan pirotit, kecuali penyalaian	Extraction and preparation of pyrites and pyrrhotite, except roasting
	08915	Perlombongan barium sulfat semulajadi dan karbonat (<i>barite and witherite</i>)	Mining of natural barium sulphate and carbonate (barytes and witherite)
	08916	Perlombongan borat semulajadi, magnesium sulfat semulajadi (<i>kieserite</i>)	Mining of natural borates, natural magnesium sulphates (<i>kieserite</i>)
	08917	Perlombongan earth colours, fluorspar dan mineral lain yang tinggi kandungan mineral sebagai sumber kimia	Mining of earth colours, fluorspar and other minerals valued chiefly as a source of chemicals
	08918	Perlombongan guano	Guano mining
	08921	Penggalian tanah gambut	Peat digging
	08922	Pengumpulan tanah gambut	Peat agglomeration
	08923	Penyediaan tanah gambut untuk pembaikan kualiti atau kemudahan pengangkutan atau penstoran	Preparation of peat to improve quality or facilitate transport or storage
	08931	Pengektrakan garam dari bawah tanah	Salt extraction from under ground
	08932	Pengeluaran garam melalui penyejatan air laut atau air masin lain	Salt production by evaporation of sea water or other saline waters
	08933	Penghancuran, penulenan dan penapisan garam oleh pengeluar	Crushing, purification and refining of salt by the producer



Piawaian Klasifikasi Industri Malaysia, 2008 Ver. 1.0
Malaysia Standards Industrial Classification 2008 Ver. 1.0

Kumpulan Group	Perkara Details	Keterangan	Description
	08991	Perlombongan dan pengkuarian bahan pelelas (bahan kesat)	<i>Mining and quarrying of abrasive materials</i>
	08992	Perlombongan dan pengkuarian asbestos	<i>Mining and quarrying of asbestos</i>
	08993	Perlombongan dan pengkuarian fosil bersilika	<i>Mining and quarrying of siliceous fossil meals</i>
	08994	Perlombongan dan pengkuarian grafit semulajadi	<i>Mining and quarrying of natural graphite</i>
	08995	Perlombongan dan pengkuarian steatite	<i>Mining and quarrying of steatite (talc)</i>
	08996	Perlombongan dan pengkuarian batu permata	<i>Mining and quarrying of gemstones</i>
	08999	Perlombongan dan pengkuarian lain t.t.t.l	<i>Other mining and quarrying n.e.c.</i>
091		Aktiviti perkhidmatan sokongan kepada pengekstrakan perlombongan dan pengkuarian	<i>Support activities for mining and quarrying extraction</i>
	09101	Aktiviti pengekstrakan petroleum dan gas yang dibekalkan atas dasar kontrak atau yuran	<i>Oil and gas extraction service activities provided on a fee or contract basis</i>
	09102	Perkhidmatan memadam kebakaran di lapangan minyak dan gas	<i>Oil and gas field fire fighting services</i>
099		Aktiviti sokongan perlombongan dan pengkuarian lain	<i>Support activities for other mining and quarrying</i>
	09900	Aktiviti sokongan perlombongan dan pengkuarian lain	<i>Support activities for other mining and quarrying</i>
		Pembuatan kok dan produk petroleum bertapis	<i>Manufacture of coke and refined petroleum</i>
192		Pembuatan produk petroleum bertapis	<i>Manufacture of refined petroleum products</i>
	19201	Pembuatan produk petroleum bertapis	<i>Manufacture of refined petroleum products</i>
	19202	Pembuatan produk bio-diesel	<i>Manufacture of bio-diesel products</i>
		Perdagangan borong kecuali kenderaan bermotor dan motosikal	<i>Wholesale trade, except of motor vehicle and motorcycles</i>
466		Lain-lain pengkhususan jual borong	<i>Other specialized wholesale</i>
	46611	Jualan borong petrol, diesel, pelincir	<i>Wholesale of petrol, diesel, lubricants</i>
	46612	Jualan borong gas petroleum cecair	<i>Wholesale of liquefied petroleum gas</i>
	46619	Jualan borong bahan api pepejal, cecair dan gas dan produk berkaitan t.t.t.l.	<i>Wholesale of other solid, liquid and gaseous fuels and related products n.e.c.</i>
		Perdagangan runcit kecuali kenderaan bermotor dan motosikal	<i>Retail trade, except motor vehicles and motorcycles</i>
473		Jualan runcit bahan api kenderaan di stor pengkhususan	<i>Retail sale of automotive fuel in specialized stores</i>
	47300	Jualan runcit bahan api kenderaan di kedai khusus	<i>Retail sale of automotive fuel in specialized stores</i>



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