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JABATAN PERANGKAAN MALAYSIA

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SUKU KETIGA

THIRD 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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STATISTIK PERLOMBONGAN PETROLEUM DAN GAS ASLI MINING OF PETROLEUM AND NATURAL GAS STATISTICS

SUKU KETIGA
THIRD QUARTER **2023**

Diterbitkan pada : **15** **DISEMBER** **2023**
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Pemakluman

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

Jabatan Perangkaan Malaysia (DOSM) akan menjalankan Banci Pertanian pada tahun 2024. Mohon layari <https://www.myagricensus.gov.my> untuk maklumat lanjut. Tema adalah “Banci Pertanian, Kunci Kemajuan Pertanian.”

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

Announcement

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

The Department of Statistics Malaysia (DOSM) will conduct the Agricultural Census in 2024. Please visit <https://www.myagricensus.gov.my> for more information. The theme is “Agriculture Census, Key to Agricultural Development.”

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

JABATAN PERANGKAAN MALAYSIA
DEPARTMENT OF STATISTICS MALAYSIA

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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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Statistik Perlombongan Petroleum dan Gas Asli merupakan penerbitan yang menghimpunkan pelbagai statistik keluaran DOSM, serta statistik yang diperoleh daripada agensi yang berkaitan seperti PETRONAS dan Malaysia Thailand Joint Authority (MTJA) bagi suku ketiga 2023. 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

Disember 2023



The Mining of Petroleum and Natural Gas Statistics is a report which assembles various statistics released by DOSM, as well as statistics obtained from relevant agencies such as PETRONAS and Malaysia Thailand Joint Authority (MTJA) for the third quarter of 2023. 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

December 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.



Kata Pengantar
Preface

i

Simbol & Singkatan
Symbols & Abbreviations

iii

Kandungan
Content

iv

Bahagian 1 : **Ringkasan Penemuan**
Part Summary of Findings

1

Bahagian 2 : **Jadual Statistik**
Part Statistical Tables

17

Segmen A : **Pengeluaran, Jualan dan Harga**
Segment Production, Sales and Prices

1a	Pengeluaran Minyak Mentah & Kondensat dan Gas Asli - Tahunan <i>Production of Crude Oil & Condensate and Natural Gas - Annually</i>	18
1b	Pengeluaran Minyak Mentah & Kondensat dan Gas Asli - Suku Tahunan <i>Production of Crude Oil & Condensate and Natural Gas - Quarterly</i>	19
2a	Harga Minyak dan Gas - Tahunan <i>Price of Oil and Gas - Annually</i>	20
2b	Harga Minyak dan Gas - Suku Tahunan <i>Price of Oil and Gas - Quarterly</i>	21
3a	Pengeluaran Produk Petroleum Bertapis - Tahunan <i>Production of Refined Petroleum Products - Annually</i>	22
3b	Pengeluaran Produk Petroleum Bertapis - Suku Tahunan <i>Production of Refined Petroleum Products - Quarterly</i>	23
4a	Nilai Jualan Berkaitan Produk Petroleum - Tahunan <i>Sales Value of Related Petroleum Products - Annually</i>	24
4b	Nilai Jualan Berkaitan Produk Petroleum - Suku Tahunan <i>Sales Value of Related Petroleum Products - Quarterly</i>	25

Segmen B : **Eksport dan Import**
Segment Exports and Imports

5a	Nilai Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan <i>Export Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually</i>	26
5b	Nilai Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan <i>Export Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly</i>	27



		Muka surat Page
6a	Volum Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan <i>Export Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually</i>	28
6b	Volum Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan <i>Export Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly</i>	29
7a	Nilai Eksport Petroleum Mentah dan Kondensat mengikut Negara Destinasi - Tahunan <i>Export Value of Crude Petroleum and Condensate by Country of Destination - Annually</i>	30
7b	Nilai Eksport Petroleum Mentah dan Kondensat mengikut Negara Destinasi - Suku Tahunan <i>Export Value of Crude Petroleum and Condensate by Country of Destination - Quarterly</i>	31
8a	Nilai Eksport Keluaran Petroleum Bertapis mengikut Negara Destinasi - Tahunan <i>Export Value of Refined Petroleum Products by Country of Destination - Annually</i>	32
8b	Nilai Eksport Keluaran Petroleum Bertapis mengikut Negara Destinasi - Suku Tahunan <i>Export Value of Refined Petroleum Products by Country of Destination - Quarterly</i>	33
9a	Nilai Eksport Gas Asli Cecair (LNG) mengikut Negara Destinasi - Tahunan <i>Export Value of Liquefied Natural Gas (LNG) by Country of Destination - Annually</i>	34
9b	Nilai Eksport Gas Asli Cecair (LNG) mengikut Negara Destinasi - Suku Tahunan <i>Export Value of Liquefied Natural Gas (LNG) by Country of Destination - Quarterly</i>	35
10a	Nilai Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan <i>Import Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually</i>	36
10b	Nilai Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan <i>Import Value of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly</i>	37
11a	Volum Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Tahunan <i>Import Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Annually</i>	38



		Muka surat <i>Page</i>
11b	Volum Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair - Suku Tahunan <i>Import Volume of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas - Quarterly</i>	39
12a	Nilai Import Petroleum Mentah dan Kondensat mengikut Negara Asal - Tahunan <i>Import Value of Crude Petroleum and Condensate by Country of Origin - Annually</i>	40
12b	Nilai Import Petroleum Mentah dan Kondensat mengikut Negara Asal - Suku Tahunan <i>Import Value of Crude Petroleum and Condensate by Country of Origin - Quarterly</i>	41
13a	Nilai Import Keluaran Petroleum Bertapis mengikut Negara Asal - Tahunan <i>Import Value of Refined Petroleum Products by Country of Origin - Annually</i>	42
13b	Nilai Import Keluaran Petroleum Bertapis mengikut Negara Asal - Suku Tahunan <i>Import Value of Refined Petroleum Products by Country of Origin - Quarterly</i>	43
14a	Nilai Import Gas Asli Cecair (LNG) mengikut Negara Asal - Tahunan <i>Import Value of Liquefied Natural Gas (LNG) by Country of Origin - Annually</i>	44
14b	Nilai Import Gas Asli Cecair (LNG) mengikut Negara Asal - Suku Tahunan <i>Import Value of Liquefied Natural Gas (LNG) by Country of Origin - Quarterly</i>	45

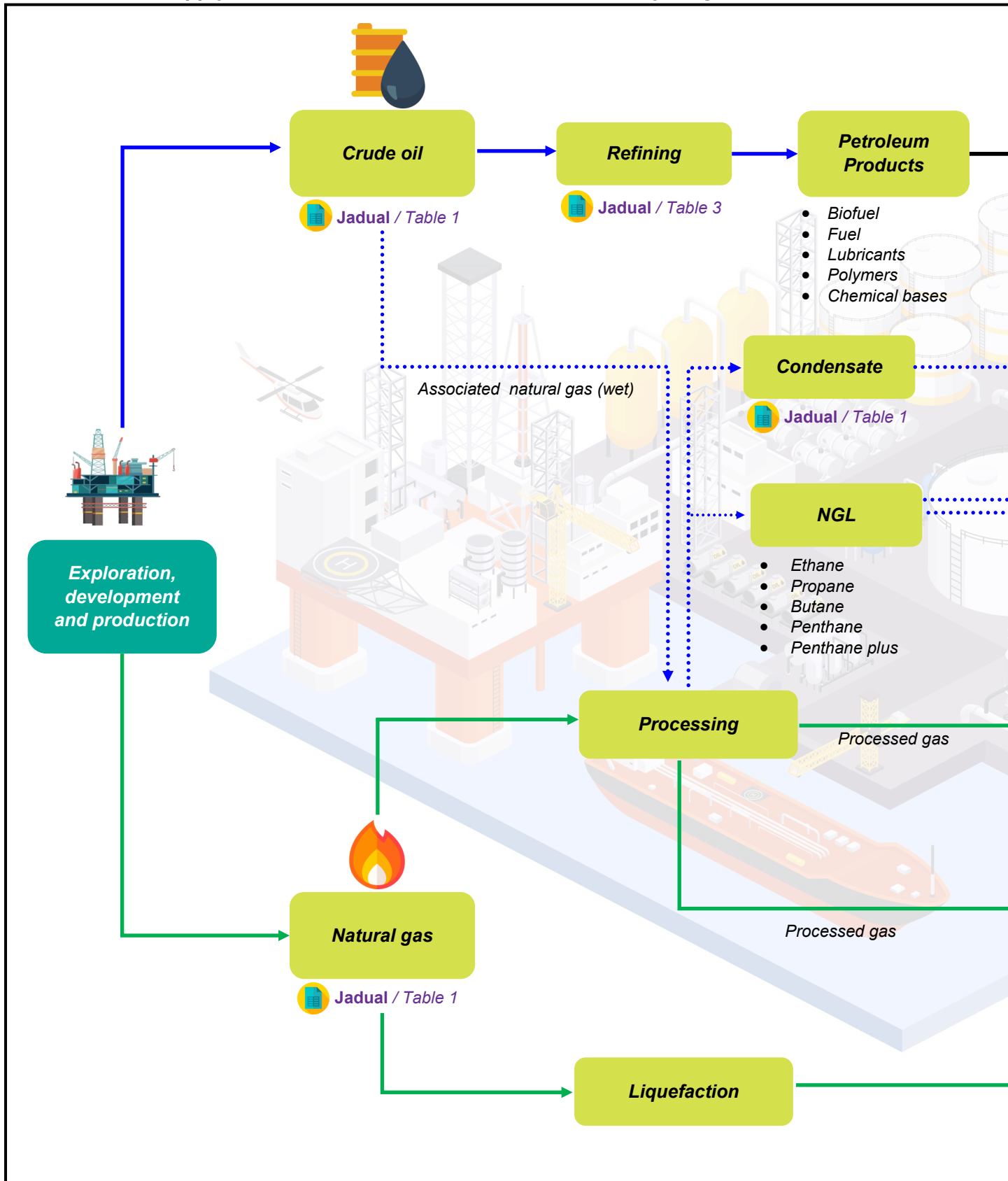
Segmen <i>Segment</i>	C :	Indikator Makroekonomi <i>Macroeconomic Indicators</i>	
15a		KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Tahunan <i>GDP by Economic Activity at Current Prices - Annually</i>	46
15b		KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Semasa - Suku Tahunan <i>GDP by Economic Activity at Current Prices - Quarterly</i>	47
16a		KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Malar - Tahunan <i>GDP by Economic Activity at Constant Prices - Annually</i>	48
16b		KDNK mengikut Jenis Aktiviti Ekonomi pada Harga Malar - Suku Tahunan <i>GDP by Economic Activity at Constant Prices - Quarterly</i>	49
17a		IPP dan Indeks Sektor (2015=100) - Tahunan <i>IPI and Sectors Indices (2015=100) - Annually</i>	50
17b		IPP dan Indeks Sektor (2015=100) - Suku Tahunan <i>IPI and Sectors Indices (2015=100) - Quarterly</i>	51



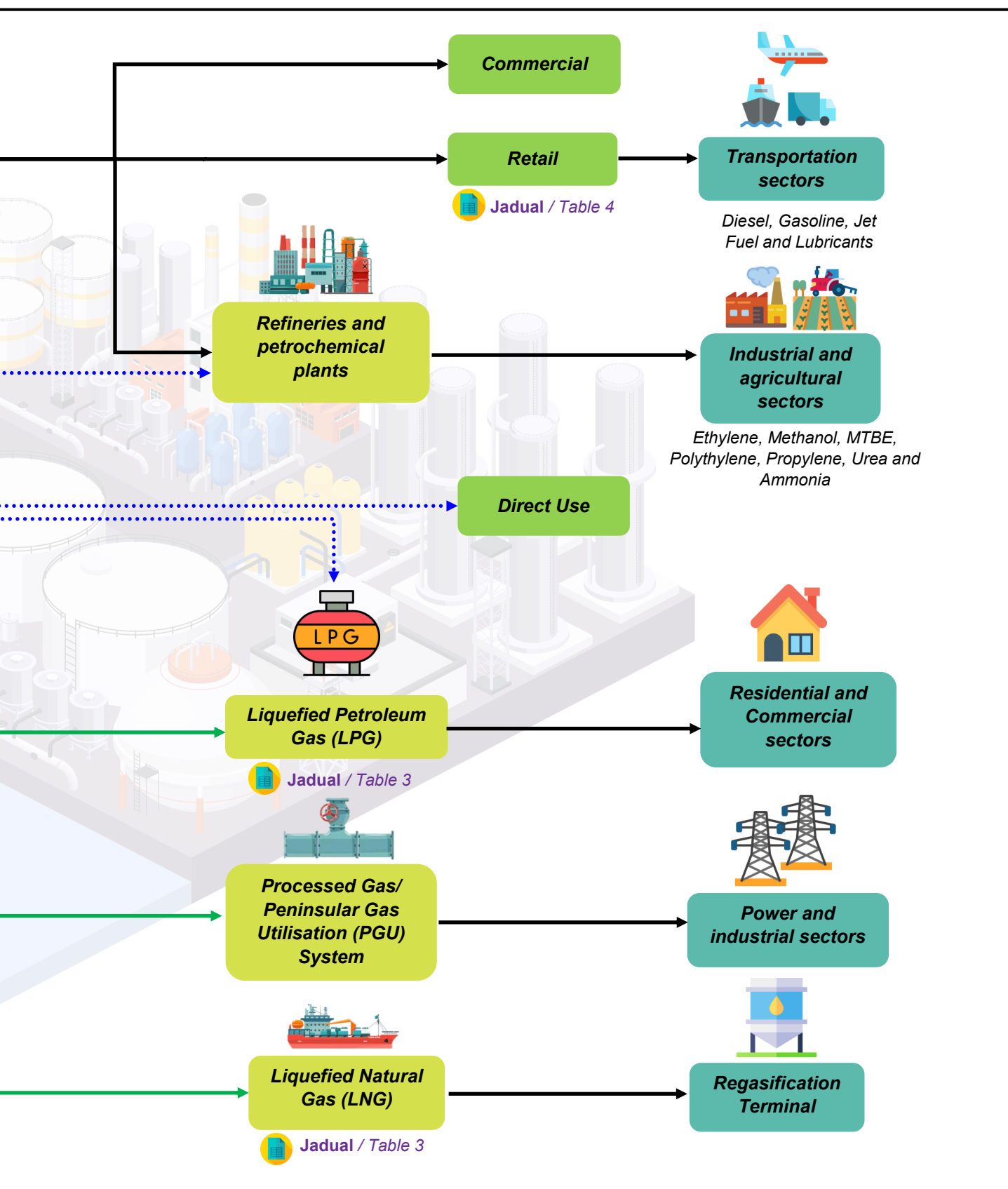
			Muka surat <i>Page</i>
18a	IHPR (2010=100) Pengeluaran Tempatan, Pengekstrakan Petroleum Mentah & Gas Asli Dan Pembuatan Kok & Produk Petroleum Bertapis - Tahunan <i>PPI (2010=100) Local Production, Extraction of Crude Petroleum & Natural Gas and Manufacture of Coke & Refined Petroleum Products - Annually</i>		52
18b	IHPR (2010=100) Pengeluaran Tempatan, Pengekstrakan Petroleum Mentah & Gas Asli Dan Pembuatan Kok & Produk Petroleum Bertapis - Suku Tahunan <i>PPI (2010=100) Local Production, Extraction of Crude Petroleum & Natural Gas and Manufacture of Coke & Refined Petroleum Products - Quarterly</i>		53
19a	Statistik Guna Tenaga Sektor Perlombongan dan Pengkuarian mengikut Kemahiran - Tahunan <i>Employment Statistics of Mining and Quarrying Sector by Skill - Annually</i>		54
19b	Statistik Guna Tenaga Sektor Perlombongan dan Pengkuarian mengikut Kemahiran - Suku Tahunan <i>Employment Statistics of Mining and Quarrying Sector by Skill - Quarterly</i>		55
20a	Produktiviti Buruh Sektor Perlombongan dan Pengkuarian - Tahunan <i>Labour Productivity of Mining and Quarrying Sector - Annually</i>		56
20b	Produktiviti Buruh Sektor Perlombongan dan Pengkuarian - Suku Tahunan <i>Labour Productivity of Mining and Quarrying Sector - Quarterly</i>		57
Bahagian <i>Part</i>	3 : Nota Teknikal <i>Technical Notes</i>		59
Lampiran <i>Appendix</i>	Piawaian Klasifikasi Industri Malaysia 2008 Ver. 1.0 <i>Malaysia Standard Industrial Classification 2008 Ver. 1.0</i>		75



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

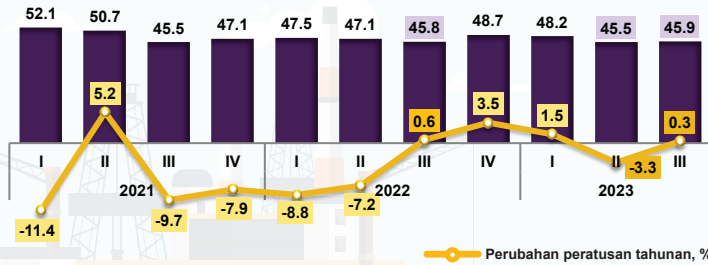


STATISTIK PERLOMBONGAN PETROLEUM DAN GAS ASLI SUKU KETIGA 2023

Pengeluaran, ST1-2021 - ST3 2023

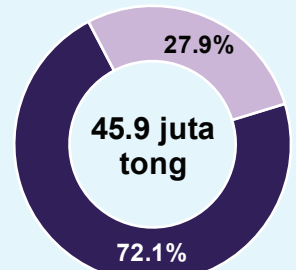
Pengeluaran Minyak mentah dan kondensat berjumlah 45.9 juta tong pada suku ketiga tahun 2023, meningkat 0.3 peratus berbanding setahun yang lalu

Minyak mentah dan kondensat ('000 tong)



Peratusan Sumbangan Pengeluaran Minyak Mentah dan Kondensat

ST3 2023



Minyak mentah
Kondensat

Minyak mentah merupakan penyumbang tertinggi dengan 72.1 peratus (33.1 juta tong), manakala kondensat merangkumi 27.9 peratus (12.8 juta tong) pada suku ketiga 2023

Minyak mentah dan kondensat (tong)



45.9 juta | 0.3%
45.5 juta | -3.3%

Perubahan peratusan tahunan, %

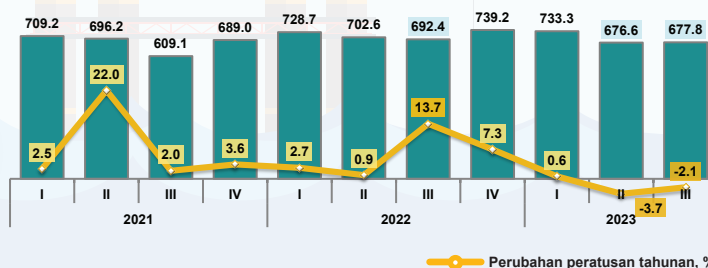
Gas asli (kaki padu)



677.8 bilion | -2.1%
676.6 bilion | -3.7%

Perubahan peratusan tahunan, %

Gas asli (bilion kaki padu)



Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

Harga, ST3 2023

WALP¹
(Malaysia)
USD89.4

WTI²
USD82.3

-17.8%

-11.7%

Brent
USD86.7

Henry Hub
USD2.6

-14.0%

-67.6%

Perubahan peratusan tahunan, %

Sumber: PETRONAS dan EIA

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

Nilai Jualan Produk Petroleum, ST3 2023



Jualan produk petroleum bertapis
RM58.5 bilion
-22.7%

Jualan borong bahan api pepejal, cecair & gas dan produk berkaitan
RM40.1 bilion
6.8%

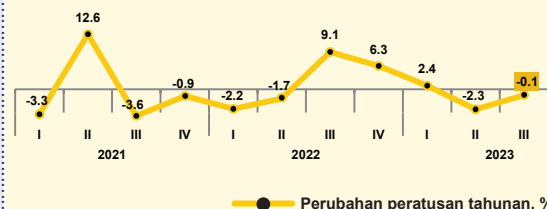
Jualan runcit di kedai khusus yang menjual bahan api kenderaan
RM16.8 bilion
6.6%

Perubahan peratusan tahunan, %

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

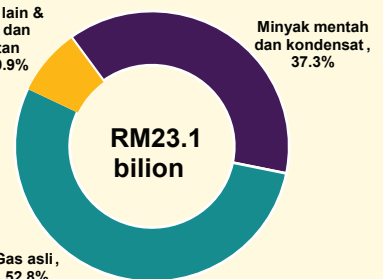
Keluaran Dalam Negeri Kasar (KDNK) pada Harga Malar 15

Perlombongan dan Pengkuarian



Peratusan Sumbangan Perlombongan dan Pengkuarian mengikut Subsektor, ST3 2023

Perlombongan lain & pengkuarian dan perkhidmatan sokongan, 9.9%



Sumber: Keluaran Dalam Negeri Kasar (KDNK) ST3 2023, DOSM

Indeks Pengeluaran Perindustrian (IPP), ST3 2023



Minyak mentah dan kondensat

IPP

-0.04%

IPP Perlombongan

-0.4%

Gas asli

-2.1%

Perubahan peratusan tahunan, %

Sumber: Indeks Pengeluaran Perindustrian Malaysia (2015=100) ST3 2023, DOSM

ST3 2023

Eksport Negara Destinasi Utama

RM7.8 bilion

Thailand



29.3%

Jepun



23.3%

Australia



18.3%

Import Negara Asal Utama

RM12.5 bilion

Arab Saudi



53.9%

Emiriah Arab Bersatu



18.2%

Amerika Syarikat



6.0%

Petroleum mentah dan kondensat

Keluaran petroleum bertapis

RM31.0 bilion



18.5%



16.8%



13.6%

RM30.6 bilion



35.4%



13.9%



10.5%

Gas asli cecair (LNG)

RM12.5 bilion



39.5%



28.0%



19.2%

RM1.6 bilion



86.3%



13.7%

Sumber: DOSM, September 2023

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



MINING OF PETROLEUM AND NATURAL GAS STATISTICS THIRD QUARTER 2023

The production of Crude oil and condensate amounted to 45.9 million barrels in the third quarter of 2023, higher by 0.3 per cent compared to a year ago

Crude oil and condensate (barrels)



45.9 million | 0.3%
45.5 million | -3.3%

Annual percentage change, %

Natural gas (cubic feet)

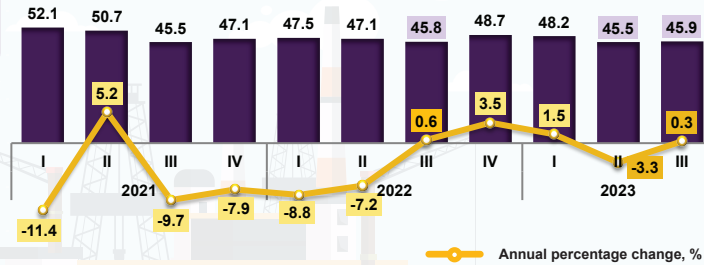


677.8 billion | -2.1%
676.6 billion | -3.7%

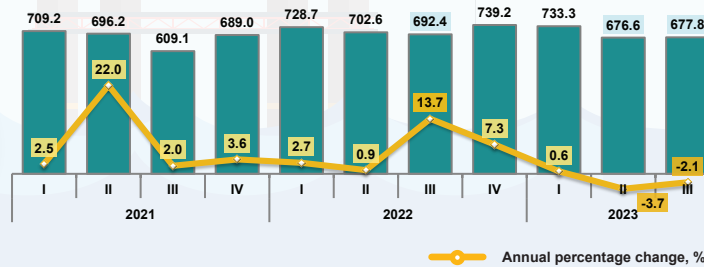
Annual percentage change, %

Production, Q1 2021 - Q3 2023

Crude oil and condensate
('000 barrels)

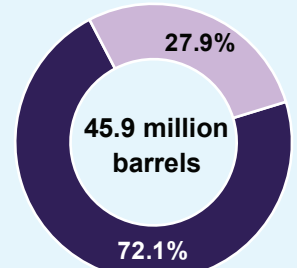


Natural gas
(billion cubic feet)



Percentage Share of Crude Oil and Condensate Production

Q3 2023



Crude oil
Condensate

Crude oil contributed the most with 72.1 per cent (33.1 million barrels), while condensate encompassed 27.9 per cent (12.8 million barrels) in the third quarter of 2023

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

Price, Q3 2023

Sales Value of
Petroleum Products, Q3 2023

WALP ¹ (Malaysia)	WTI ²
USD89.4	USD82.3
-17.8%	-11.7%
Brent	Henry Hub
USD86.7	USD2.6
-14.0%	-67.6%

Annual percentage change, %

Source: PETRONAS and EIA

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

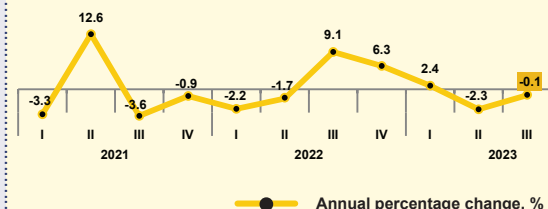
Refined petroleum products	Wholesale of solid liquid and gaseous fuels & related products	Retail sale of automotive fuel in specialised stores
RM58.5 billion	RM40.1 billion	RM16.8 billion
-22.7%	6.8%	6.6%

Annual percentage change, %

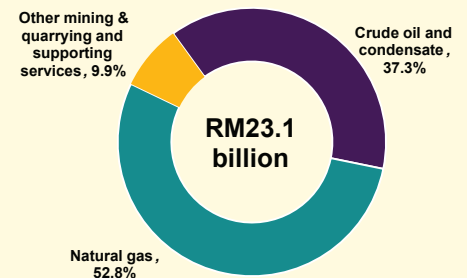
Source: Monthly Manufacturing Statistics and Performance of Wholesale & Retail Trade September 2023, DOSM

Gross Domestic Product (GDP)
at Constant 2015 Prices

Mining and Quarrying

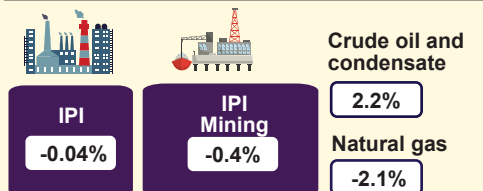


Percentage Share of Mining and Quarrying
by subsector, Q3 2023



Source: Gross Domestic Product (GDP) Q3 2023, DOSM

Industrial Production Index (IPI),
Q3 2023



Annual percentage change, %

Source: Malaysia Industrial Production Index (2015=100) Q3 2023, DOSM

Q3 2023

Exports by Major
Country of Destination

Imports by Major
Country of Origin

Crude petroleum and condensate

RM7.8 billion

RM12.5 billion

Thailand	Japan	Australia
29.3%	23.3%	18.3%

Saudia Arabia	United Arab Emirates	United States of America
53.9%	18.2%	6.0%

Refined petroleum products

RM31.0 billion

RM30.6 billion

Singapore	Australia	Indonesia
18.5%	16.8%	13.6%

Singapore	China	Republic of Korea
35.4%	13.9%	10.5%

Liquefied natural gas (LNG)

RM12.5 billion

RM1.6 billion

Japan	China	Republic of Korea
39.5%	28.0%	19.2%

Australia	Brunei Darussalam
86.3%	13.7%

Total of exports Total of imports %: Percentage share

Source: DOSM, September 2023

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



1. Pengenalan

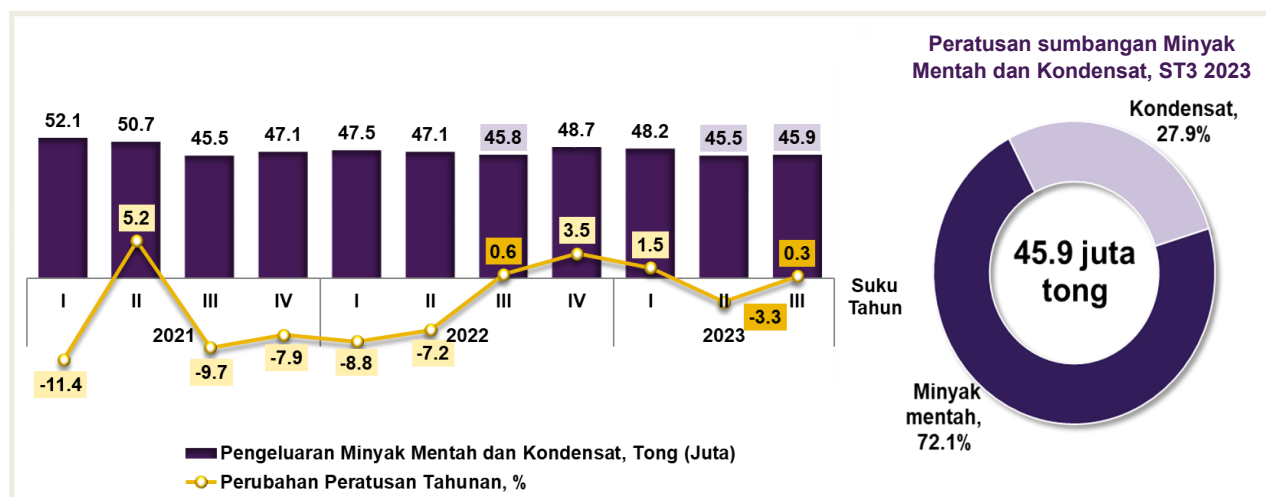
Statistik Perlombongan Petroleum dan Gas Asli membentangkan statistik pengeluaran minyak mentah, kondensat & gas asli; harga purata minyak mentah; pengeluaran & nilai jualan produk utama petroleum bertapis; jualan borong bahan api pepejal, cecair & gas & produk berkaitan; dan eksport & import petroleum 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 2021 hingga suku ketiga 2023. Statistik tahunan turut dilaporkan dalam penerbitan ini.

2. Prestasi Pengeluaran Minyak Mentah & Kondensat dan Gas Asli, Suku Ketiga 2023

Pengeluaran Minyak mentah dan kondensat meningkat sebanyak 0.3 peratus berbanding setahun yang lalu, dengan merekodkan jumlah pengeluaran sebanyak 45.9 juta tong pada suku ketiga 2023 (ST2 2023: 45.5 juta tong, -3.3%). Kenaikan ini disumbangkan terutamanya oleh kondensat dengan pertumbuhan sebanyak 16.2 peratus setelah mencatatkan 11.3 peratus pada suku sebelumnya.

Dari segi komposisi, Minyak mentah merupakan penyumbang tertinggi dengan 72.1 peratus atau bersamaan 33.1 juta tong, manakala Kondensat merangkumi 27.9 peratus atau 12.8 juta tong pada suku ketiga 2023 (**Carta 1**).

Carta 1 Prestasi Pengeluaran Minyak Mentah dan Kondensat, ST1 2021 - ST3 2023

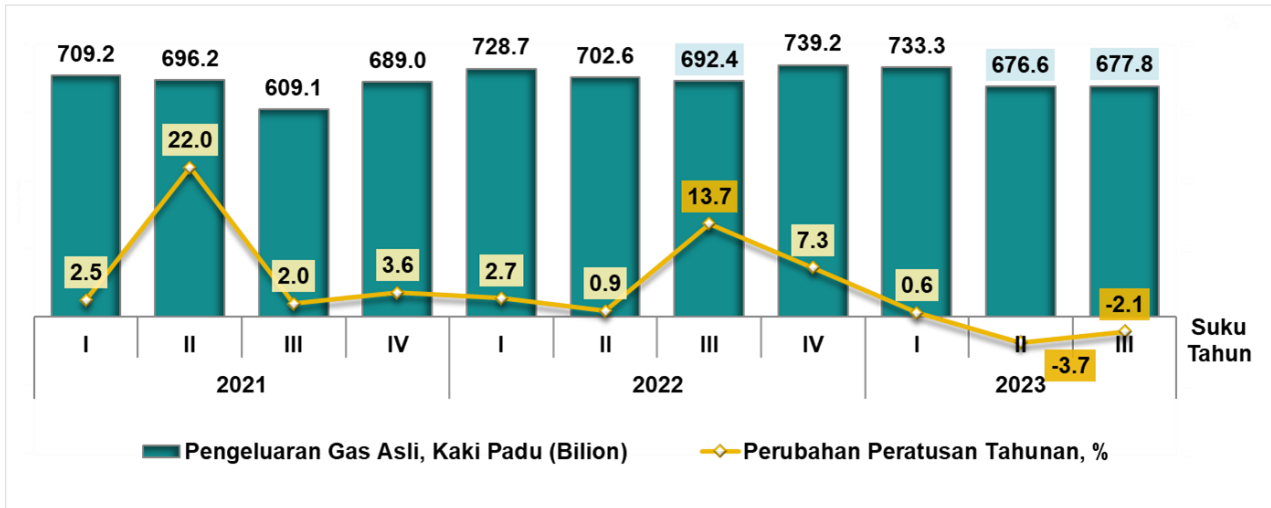


Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA



Sementara itu, pengeluaran Gas asli menyusut 2.1 peratus (ST2 2023: -3.7%) kepada 677.8 bilion kaki padu pada suku ini seperti ditunjukkan di **Carta 2**.

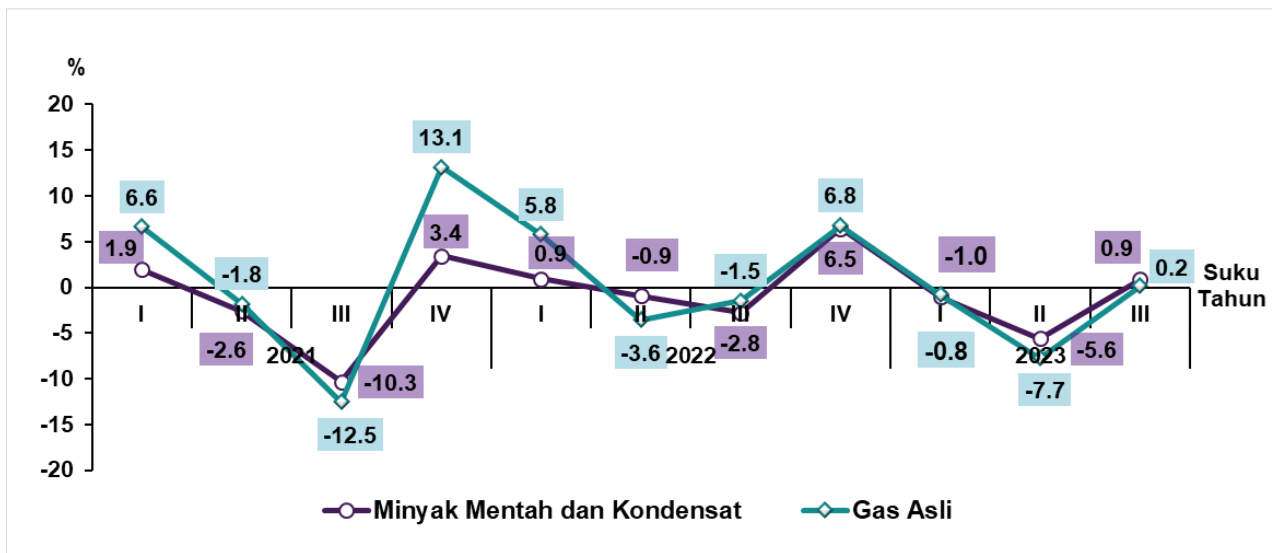
Carta 2 Prestasi Pengeluaran Gas Asli, ST1 2021 - ST3 2023



Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

Berbanding suku tahun sebelumnya, pengeluaran Minyak mentah dan kondensat berkembang sebanyak 0.9 peratus (ST2 2023: -5.6%) manakala pengeluaran Gas asli pulih kepada 0.2 peratus dari negatif 7.7 peratus yang direkodkan pada suku yang lalu seperti yang dipaparkan di **Carta 3**.

Carta 3 Pengeluaran Minyak Mentah & Kondensat dan Gas Asli, ST1 2021 - ST3 2023 - Perubahan Peratusan dari Suku Tahun Sebelumnya



Nota: Pengiraan oleh DOSM menggunakan statistik daripada PETRONAS dan MTJA

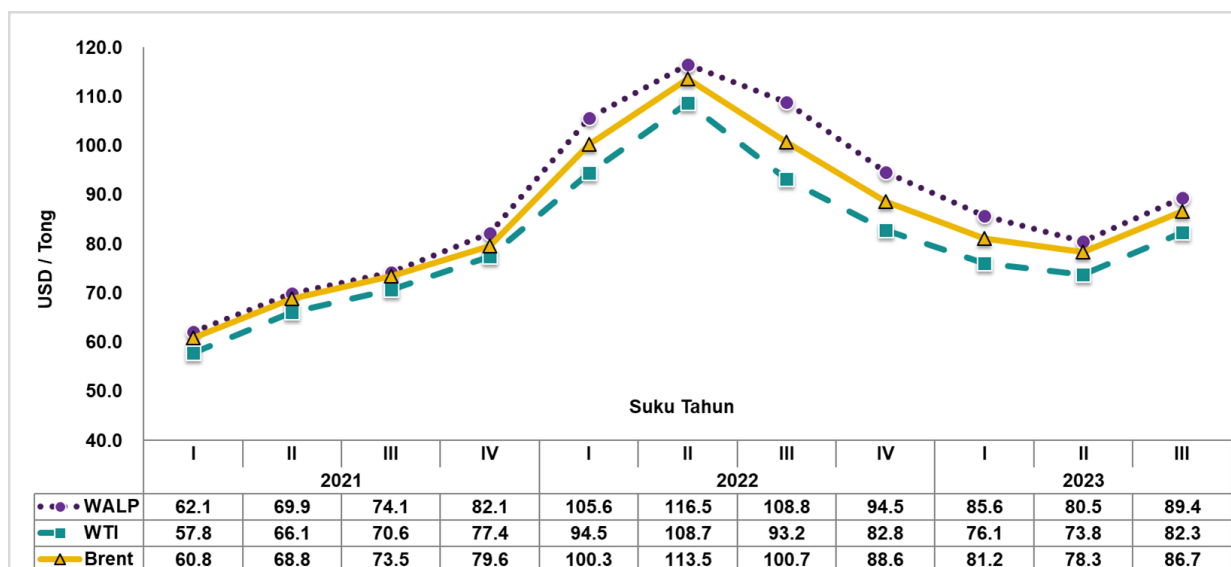


3. Harga Minyak Mentah dan Kondensat

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 pada suku ketiga 2023 menunjukkan peningkatan selepas trend penurunan selama empat suku berturut-turut. Harga WALP bagi Minyak mentah dan kondensat adalah USD89.4 per tong (ST2 2023: USD80.5 per tong) seperti ditunjukkan di **Carta 4**. Sementara itu, harga per tong WTI dan Brent masing-masing mencatatkan USD82.3 dan USD86.7 pada suku tahun ini.

Carta 4 Harga Minyak Mentah dan Kondensat, ST1 2021 - ST3 2023



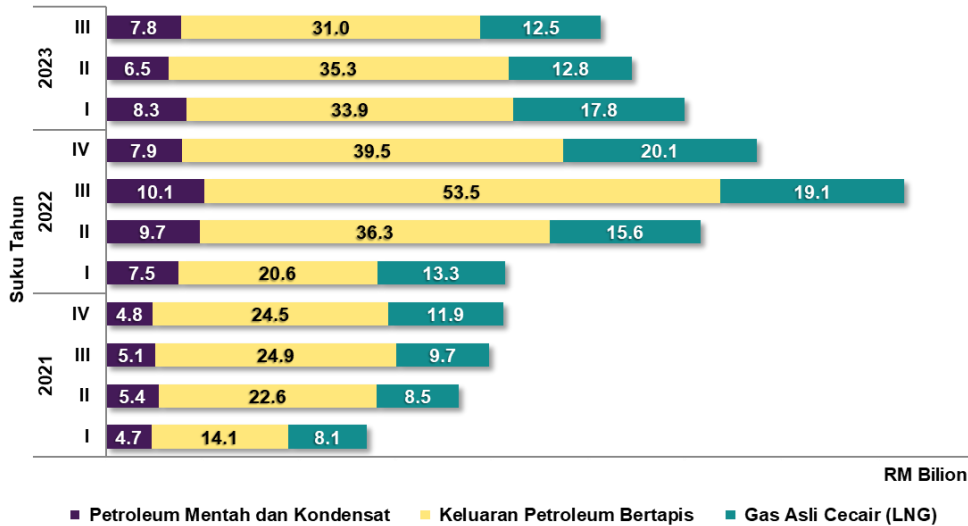
Sumber: PETRONAS dan EIA



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

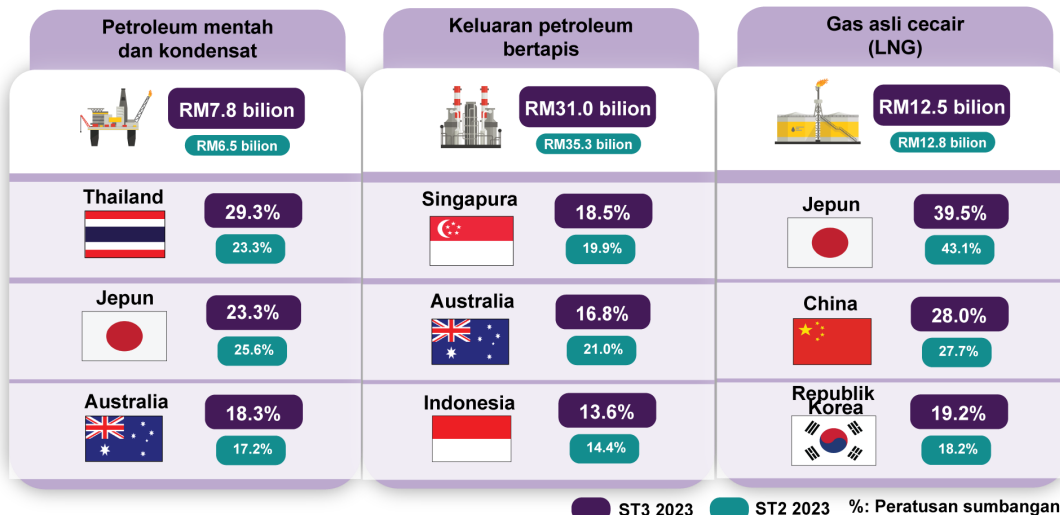
Nilai eksport Petroleum mentah dan kondensat meningkat kepada RM7.8 bilion pada suku ketiga 2023 berbanding RM6.5 bilion pada suku sebelumnya. Sementara itu, nilai eksport bagi Keluaran petroleum bertapis susut kepada RM31.0 bilion (ST2 2023: RM35.3 bilion), begitu juga dengan LNG iaitu RM12.5 bilion berbanding RM12.8 bilion pada suku kedua 2023 (Carta 5).

Carta 5 Eksport Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG), ST1 2021 - ST3 2023



Thailand merupakan negara destinasi eksport utama bagi Petroleum mentah dan kondensat pada suku tahun ini dengan RM2.3 bilion atau merangkumi 29.3 peratus, diikuti oleh Jepun (23.3%) dan Australia (18.3%). Di samping itu, sejumlah RM5.7 bilion atau 18.5 peratus daripada Keluaran petroleum bertapis adalah dieksport ke Singapura pada suku ketiga 2023. Ini diikuti dengan Australia dan Indonesia dengan masing-masing mencatatkan sumbangan 16.8 peratus dan 13.6 peratus. Sementara itu, Jepun merupakan negara destinasi utama bagi LNG dengan nilai eksport sebanyak RM4.9 bilion (39.5%) pada suku ketiga 2023, diikuti oleh China (28.0%) dan Republik Korea (19.2%) seperti yang ditunjukkan di **Paparan 1**.

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

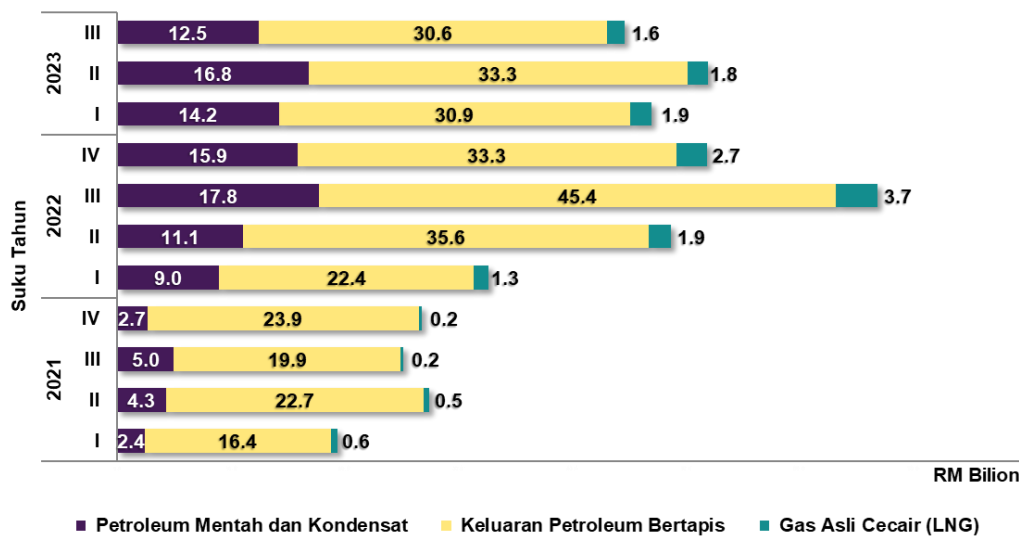




5. Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG)

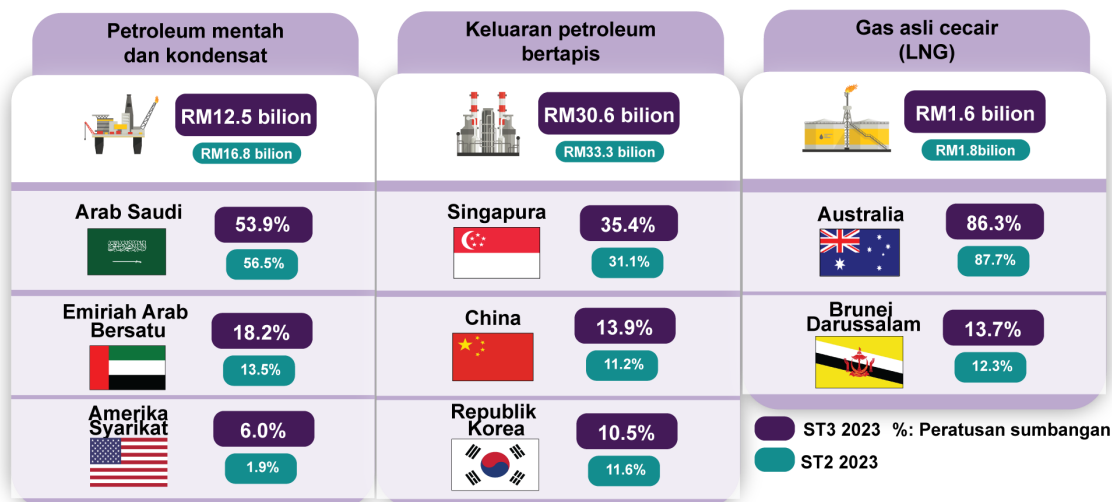
Nilai import Petroleum mentah dan kondensat berkurang kepada RM12.5 bilion selepas merekodkan RM16.8 bilion pada suku tahun sebelumnya. Pada masa yang sama, import Keluaran petroleum bertapis dan LNG masing-masing menunjukkan penurunan pada suku ini dengan RM30.6 bilion (ST2 2023: RM33.3 bilion) dan RM1.6 bilion (ST2 2023: RM1.8 bilion) seperti di **Carta 6**.

Carta 6 Import Petroleum Mentah & Kondensat, Keluaran Petroleum Bertapis dan Gas Asli Cecair (LNG), ST1 2021 - ST3 2023



Arab Saudi kekal sebagai penyumbang utama import Petroleum mentah dan kondensat merangkumi 53.9 peratus dengan nilai sebanyak RM6.7 bilion pada suku ini. Ini diikuti oleh Emiriah Arab Bersatu (18.2%) dan Amerika Syarikat (6.0%). Bagi import Keluaran petroleum bertapis, Singapura telah menyumbang nilai tertinggi sebanyak RM10.9 bilion (35.4%), diikuti oleh China (13.9%) dan Republik Korea (10.5%). Di samping itu, import tertinggi bagi LNG adalah dari Australia yang mana berjumlah RM1.4 bilion atau 86.3 peratus, diikuti oleh Brunei Darussalam (13.7%) seperti di **Paparan 2**.

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

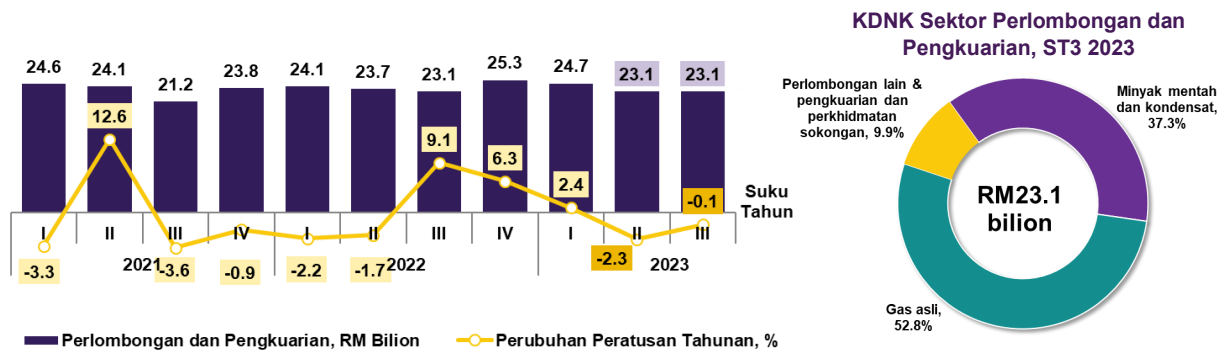




6. Keluaran Dalam Negeri Kasar Sektor Perlombongan dan Pengkuarian pada Harga Malar 2015

Pertumbuhan tahunan Keluaran Dalam Negeri Kasar (KDNK) bagi sektor Perlombongan dan pengkuarian menyusut 0.1 peratus pada suku ketiga 2023 berbanding negatif 2.3 peratus pada suku sebelumnya seperti yang ditunjukkan di **Carta 7**. Subsektor Gas asli yang mana menyumbang secara konsisten melebihi 50 peratus kepada sektor Perlombongan dan pengkuarian dengan sumbangan 52.8 peratus pada suku tahun ini, diikuti oleh Minyak mentah dan kondensat iaitu 37.3 peratus.

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





1. Introduction

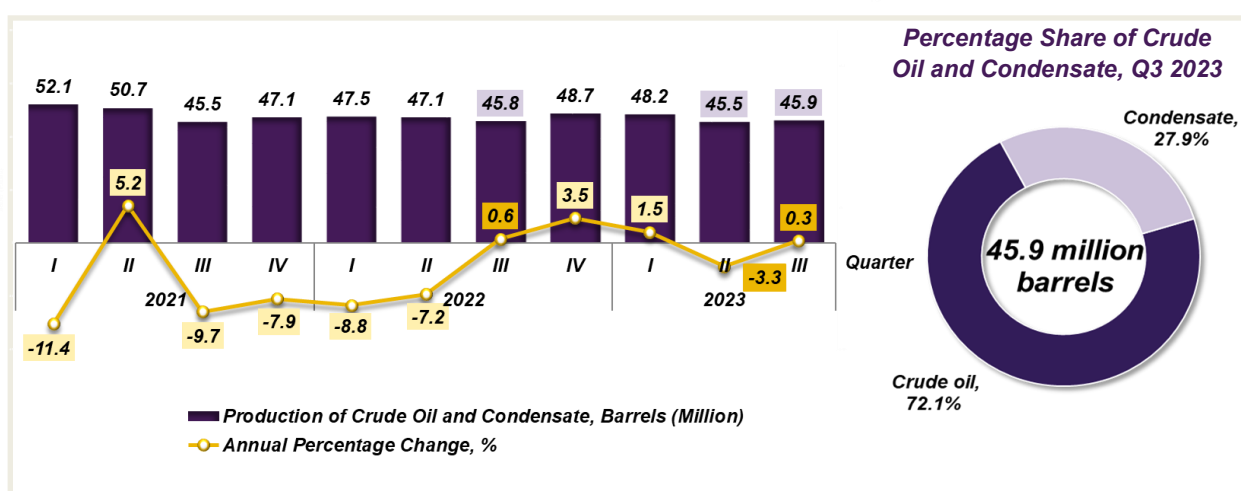
The Mining Petroleum and Natural Gas Statistics presents the production of crude oil, condensate & natural gas statistics; the average price of crude oil; production & sales value of major refined petroleum products; wholesale sales of solid fuels, liquids & gases & related products; and exports & imports 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 2021 to the third quarter of 2023. Annual statistics are also included in this publication.

2. Performance of Crude Oil & Condensate and Natural Gas Production, Third Quarter of 2023

The production of Crude oil & condensate was higher by 0.3 per cent as compared to a year ago, recording a production volume of 45.9 million barrels in the third quarter of 2023 (Q2 2023: 45.5 million barrels, -3.3%). The increase was primarily contributed by condensate with 16.2 per cent growth after registering 11.3 per cent in the previous quarter.

In terms of composition, Crude oil contributed the most with 72.1 per cent or equivalent to 33.1 million barrels, while Condensate encompassed 27.9 per cent or 12.8 million barrels in the third quarter of 2023 (**Chart 1**).

Chart 1 Performance of Crude Oil and Condensate Production, Q1 2021 - Q3 2023

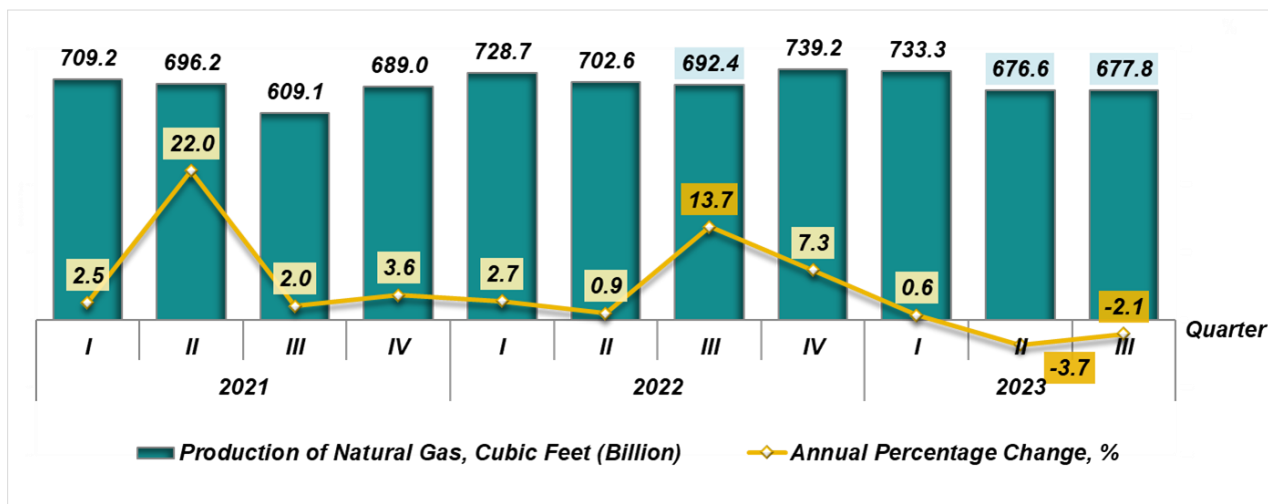


Note: Calculation by DOSM using the statistics from PETRONAS and MTJA



Meanwhile, Natural gas production contracted by 2.1 per cent (Q2 2023: -3.7%) to 677.8 billion cubic feet in this quarter as shown in **Chart 2**.

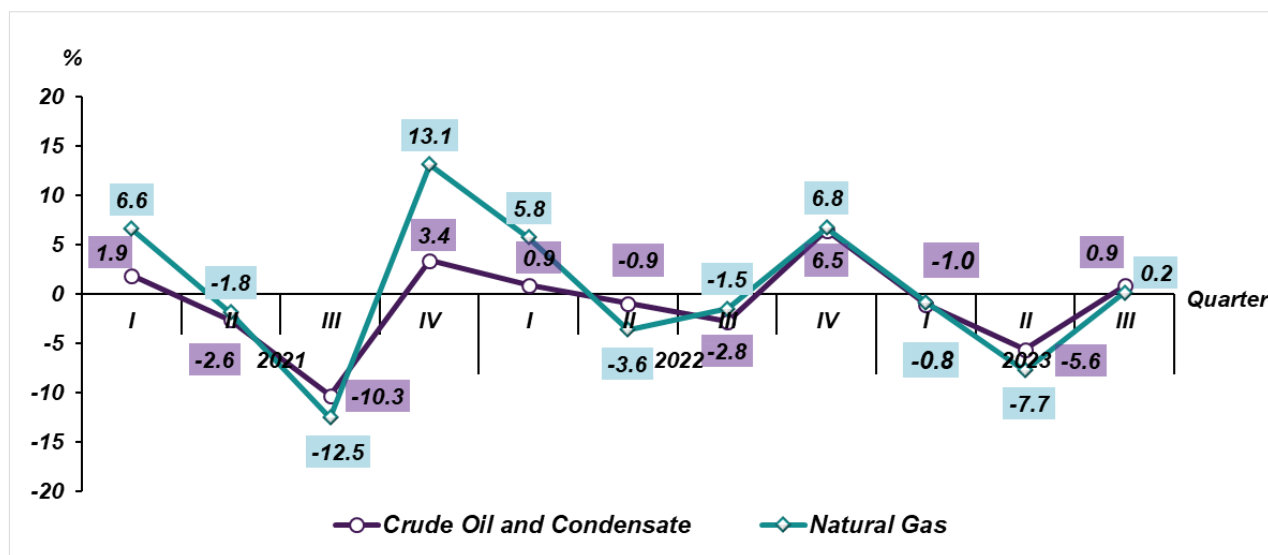
Chart 2 Performance of Natural Gas Production, Q1 2021 - Q3 2023



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

In comparison with the previous quarter, the production of Crude oil and condensate expanded by 0.9 per cent (Q2 2023: -5.6%) while the production of Natural gas rebounded to 0.2 per cent from negative 7.7 per cent recorded in the previous quarter as displayed in **Chart 3**.

Chart 3 Production of Crude Oil & Condensate and Natural Gas, Q1 2021 - Q3 2023 - Percentage Change from the Preceding Quarter



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

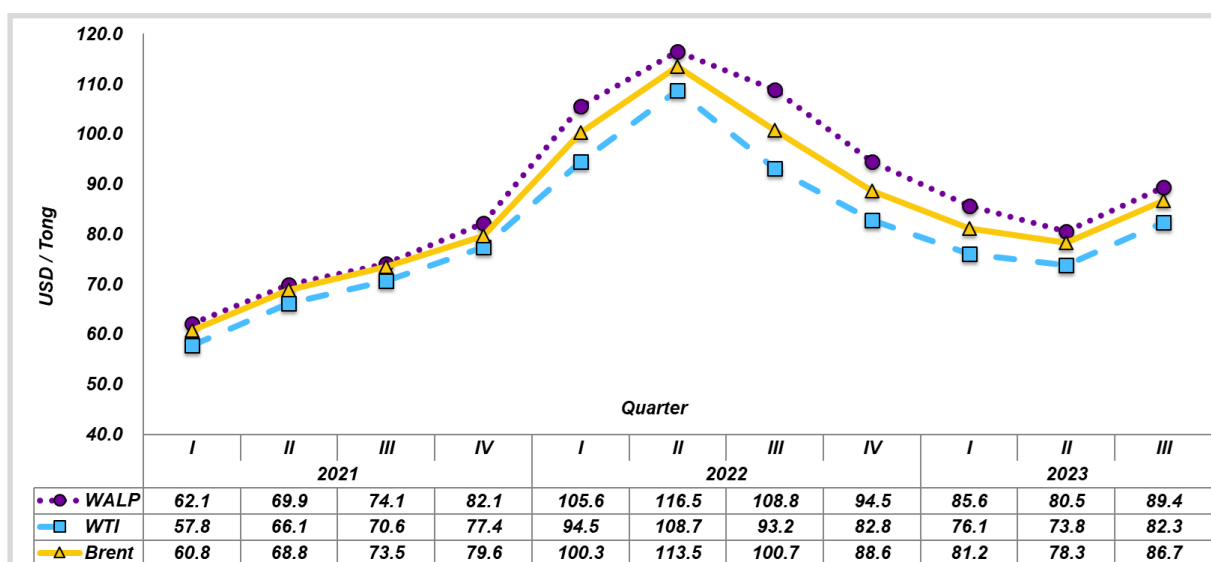


3. Prices of Crude Oil and Condensate

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 prices of Crude oil and condensate in the third quarter 2023 posted an increase after declining trend for four consecutive quarters. The WALP of Crude oil and condensate price was USD89.4 per barrel (Q2 2023: USD80.5 per barrel) as shown in **Chart 4**. Meanwhile, the price per barrel of WTI and Brent recorded USD82.3 and USD86.7 respectively in this quarter.

Chart 4 Prices of Crude Oil and Condensate, Q1 2021 - Q3 2023



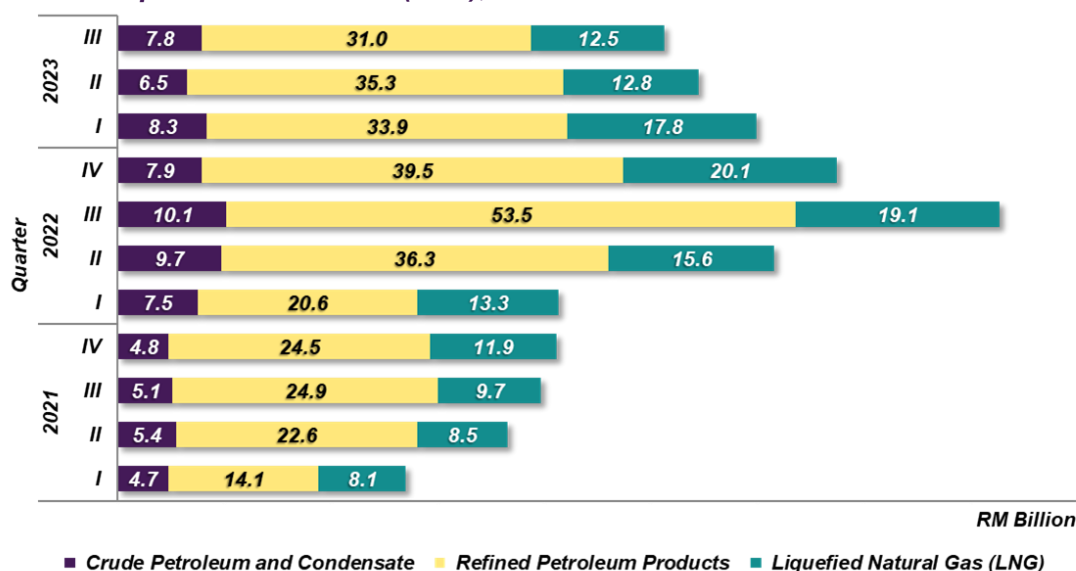
Source: PETRONAS and EIA



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

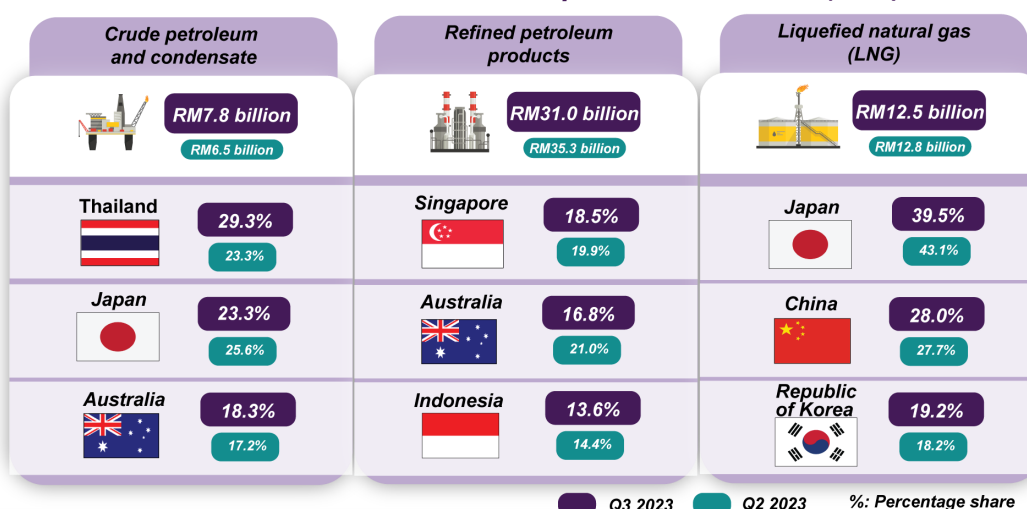
The export value of Crude petroleum and condensate increased to RM7.8 billion in the third quarter of 2023 as compared to RM6.5 billion in the previous quarter. Meanwhile, the export value for Refined petroleum products declined to RM31.0 billion (Q2 2023: RM35.3 billion) as well as LNG, RM12.5 billion as compared to RM12.8 billion in the second quarter of 2023 (**Chart 5**).

Chart 5 Exports of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG), Q1 2021 - Q3 2023



Thailand was the major destination of exports for Crude petroleum and condensate in this quarter with RM2.3 billion or encompassing 29.3 per cent, followed by Japan (23.3%) and Australia (18.3%). Meanwhile, a total of RM5.7 billion or 18.5 per cent of Refined petroleum products was exported to Singapore in the third quarter of 2023. This was followed by Australia and Indonesia with a contribution of 16.8 per cent and 13.6 per cent respectively. Whereas, Japan was the major destination of LNG with an export value of RM4.9 billion (39.5%) in the third quarter of 2023, followed by China (28.0%) and the Republic of Korea (19.2%) as shown in **Exhibit 1**.

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

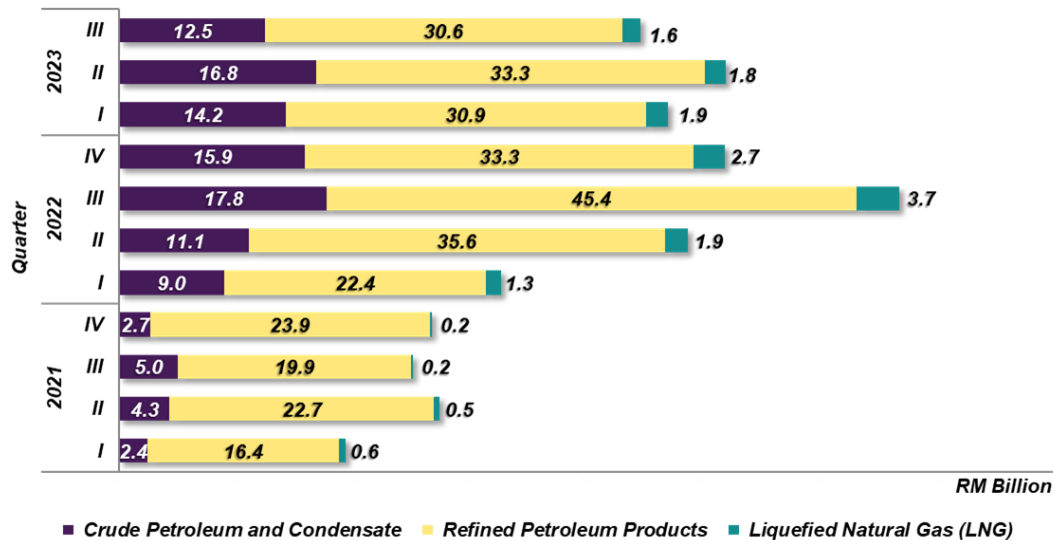




5. Imports for Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG)

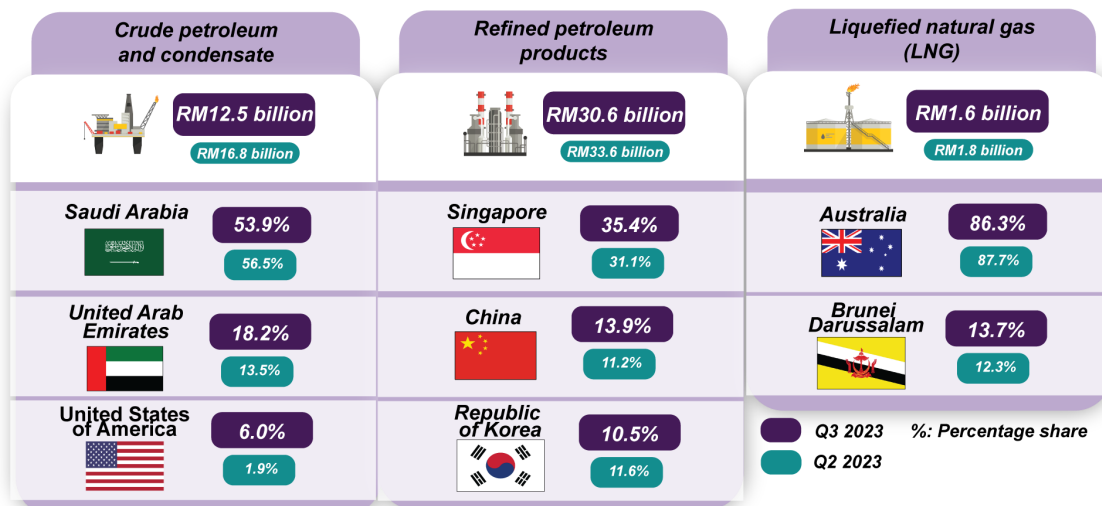
The import value of Crude petroleum and condensate decreased to RM12.5 billion as compared to RM16.8 billion recorded in the previous quarter. In the meantime, the imports of Refined petroleum products and LNG posted a decline in this quarter with RM30.6 billion (Q2 2023: RM33.3 billion) and RM1.6 billion (Q2 2023: RM1.8 billion) respectively as depicted in **Chart 6**.

Chart 6 Imports of Crude Petroleum & Condensate, Refined Petroleum Products and Liquefied Natural Gas (LNG), Q1 2021 - Q3 2023



Saudi Arabia remains the main contributor to the import of crude oil and condensate, comprising 53.9 percent with a value of RM6.7 billion for this quarter. This was followed by the United Arab Emirates (18.2%) and United States of America (6.0%). As for the imports of Refined petroleum products, Singapore contributed the highest value of RM10.9 billion (35.4%), followed by the China (13.9%) and Republic of Korea (10.5%). Furthermore, the highest imports of LNG were from Australia, which amounted to RM1.4 billion or 86.3 per cent, followed by Brunei Darussalam (13.7%) as in **Exhibit 2**.

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

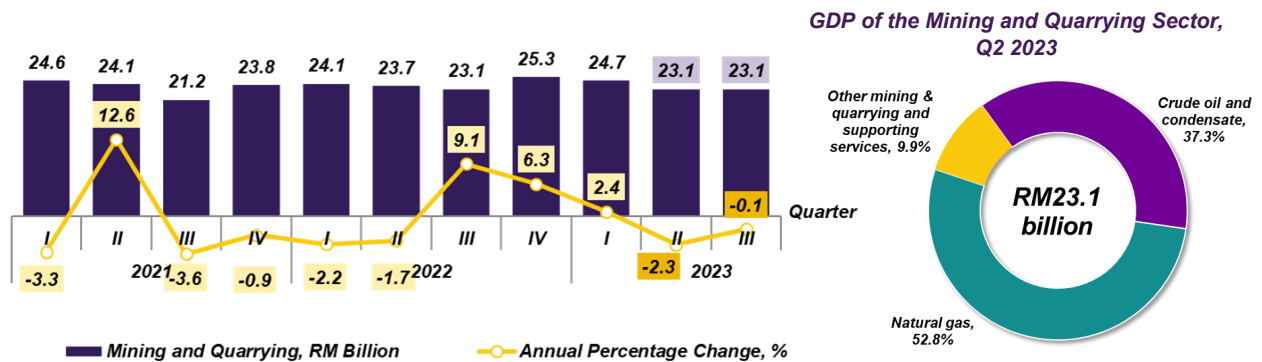




6. Gross Domestic Product of the Mining and Quarrying Sector at Constant 2015 Prices

The annual growth of Gross Domestic Product (GDP) for the Mining and quarrying sector dropped by 0.1 per cent in the third quarter of 2023 as compared to negative 2.3 per cent in the previous quarter as shown in **Chart 7**. The Natural gas subsector which consistently contributed over 50 per cent to Mining and quarrying sector with a share of 52.8 per cent in this quarter, followed by Crude oil and condensate at 37.3 per cent.

Chart 7 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 ^f	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**

^f **Disemak / Revised**

1b **Pengeluaran Minyak Mentah & Kondensat dan Gas Asli - Suku Tahunan**
Production of Crude Oil & Condensate and Natural Gas - Quarterly

Keterangan Description		2021 ^r				2022 ^p				2023 ^p		
		I	II	III	IV	I	II	III	IV	I	II	III
(A) Pengeluaran <i>Production</i>												
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>	Juta Tong <i>Million Barrels</i>	52.1	50.7	45.5	47.1	47.5	47.1	45.8	48.7	48.2	45.5	45.9
Minyak Mentah <i>Crude Oil</i>	Juta Tong <i>Million Barrels</i>	40.2	39.6	35.8	36.6	37.3	35.9	34.7	37.0	35.3	33.1	33.1
Kondensat <i>Condensate</i>	Juta Tong <i>Million Barrels</i>	11.9	11.2	9.7	10.5	10.2	11.2	11.0	11.7	13.0	12.5	12.8
Gas Asli <i>Natural Gas</i>	BCF	709.2	696.2	609.1	689.0	728.7	702.6	692.4	739.2	733.3	676.6	677.8
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya <i>Percentage Change from Corresponding Quarter of Preceding Year</i>												
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		-11.4	5.2	-9.7	-7.9	-8.8	-7.2	0.6	3.5	1.5	-3.3	0.3
Minyak Mentah <i>Crude Oil</i>		-14.9	1.9	-12.1	-9.9	-7.2	-9.4	-3.0	1.0	-5.5	-7.9	-4.8
Kondensat <i>Condensate</i>		2.7	18.9	0.3	0.1	-14.2	0.5	13.5	12.1	27.0	11.3	16.2
Gas Asli <i>Natural Gas</i>		2.5	22.0	2.0	3.6	2.7	0.9	13.7	7.3	0.6	-3.7	-2.1
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>												
Minyak Mentah dan Kondensat <i>Crude Oil and Condensate</i>		1.9	-2.6	-10.3	3.4	0.9	-0.9	-2.8	6.5	-1.0	-5.6	0.9
Minyak Mentah <i>Crude Oil</i>		-1.1	-1.5	-9.6	2.3	1.9	-3.8	-3.2	6.5	-4.7	-6.3	0.1
Kondensat <i>Condensate</i>		13.8	-6.3	-12.8	7.7	-2.5	9.7	-1.5	6.4	10.4	-3.8	2.9
Gas Asli <i>Natural Gas</i>		6.6	-1.8	-12.5	13.1	5.8	-3.6	-1.5	6.8	-0.8	-7.7	0.2
(D) 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	100.0	100.0	100.0
Minyak Mentah <i>Crude Oil</i>		77.2	78.0	78.6	77.8	78.5	76.2	75.9	75.9	73.1	72.6	72.1
Kondensat <i>Condensate</i>		22.8	22.0	21.4	22.2	21.5	23.8	24.1	24.1	26.9	27.4	27.9
Gas Asli <i>Natural Gas</i>		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

^p Awalan / Preliminary

^r Disemak / Revised

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

Keterangan Description	2021				2022				2023		
	I	II	III	IV	I	II	III	IV	I	II	III
(A) Harga (US Dollar) Price (US Dollar)											
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	62.1	69.9	74.1	82.1	105.6	116.5	108.8	94.5	85.6	80.5	89.4
Cushing, OK WTI Spot Price FOB [Products in Dollars per Gallon]	57.8	66.1	70.6	77.4	94.5	108.7	93.2	82.8	76.1	73.8	82.3
Europe Brent Spot Price FOB [Products in Dollars per Gallon]	60.8	68.8	73.5	79.6	100.3	113.5	100.7	88.6	81.2	78.3	86.7
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	3.6	2.9	4.4	4.8	4.7	7.5	8.0	5.5	2.7	2.2	2.6
(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)	11.4	149.9	67.7	89.4	70.1	66.7	46.7	15.1	-18.9	-30.9	-17.8
Cushing, OK WTI Spot Price FOB [Products in Dollars per Gallon]	26.3	137.7	72.7	82.4	63.4	64.5	31.9	6.9	-19.5	-32.2	-11.7
Europe Brent Spot Price FOB [Products in Dollars per Gallon]	20.6	134.6	71.0	79.7	64.9	65.0	37.1	11.3	-19.1	-31.0	-14.0
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	86.7	72.5	118.2	88.7	30.8	154.1	83.4	16.2	-43.0	-71.1	-67.6
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter											
Harga Purata 'Lifting' Berpemberat (USD/Tong) Weighted Average Lifting Price (USD/Barrel)	43.2	12.5	6.1	10.8	28.6	10.3	-6.6	-13.1	-9.4	-6.0	11.1
Cushing, OK WTI Spot Price FOB [Products in Dollars per Gallon]	36.1	14.4	6.9	9.7	22.0	15.1	-14.3	-11.2	-8.1	-3.0	11.6
Europe Brent Spot Price FOB [Products in Dollars per Gallon]	37.3	13.2	6.7	8.3	26.0	13.2	-11.3	-12.1	-8.3	-3.5	10.7
Natural Gas Spot and Futures Prices (NYMEX) [Dollars per Million Btu]	40.7	-17.3	48.0	9.6	-2.4	60.6	6.8	-30.6	-52.2	-18.5	19.7

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

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

3b Pengeluaran Produk Petroleum Bertapis - Suku Tahunan

Production of Refined Petroleum Products - Quarterly

Keterangan Description	2021				2022				2023		
	I	II	III	IV	I	II	III	IV	I	II	III
(A) Pengeluaran ('000 Tan Metrik) Production ('000 Metric Tonnes)											
Gas Asli Cecair / Liquefied Natural Gas	7,637	6,904	7,202	7,269	8,023	7,385	8,337	7,539	8,390	7,069	7,888
Gas Petroleum Cecair / Liquefied Petroleum Gas	657	650	658	728	673	705	654	645	670	528	605
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	1,473	1,541	1,760	1,660	1,446	1,827	1,834	1,359	1,159	1,327	1,269
Minyak Bahan Api / Fuel Oil	523	509	574	512	516	446	500	529	438	478	558
Minyak Diesel / Gas / Diesel / Gas Oil	2,975	2,682	3,632	3,593	3,401	2,804	4,374	4,753	4,741	3,070	4,009
Minyak Pelincir Campuran / Blended Lubricating Oil	19	24	34	30	23	29	48	45	36	41	52
Minyak Tanah / Kerosene	927	1,034	1,097	1,110	827	774	745	812	799	1,009	701
Nafta / Naptha	1,024	965	968	945	865	805	806	783	738	937	643
Jumlah / Total	15,235	14,309	15,925	15,846	15,773	14,776	17,297	16,465	16,971	14,460	15,726
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year											
Gas Asli Cecair / Liquefied Natural Gas	1.4	33.9	10.4	-1.4	5.1	7.0	15.8	3.7	4.6	-4.3	-5.4
Gas Petroleum Cecair / Liquefied Petroleum Gas	-10.5	24.6	2.1	12.2	2.5	8.5	-0.6	-11.4	-0.4	-25.1	-7.4
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	-6.7	82.0	46.6	22.5	-1.8	18.6	4.2	-18.1	-19.8	-27.4	-30.8
Minyak Bahan Api / Fuel Oil	-36.7	41.3	33.1	8.8	-1.4	-12.5	-12.9	3.3	-15.1	7.1	11.6
Minyak Diesel / Gas / Diesel / Gas Oil	-16.8	41.4	35.6	29.6	14.3	4.6	20.4	32.3	39.4	9.5	-8.3
Minyak Pelincir Campuran / Blended Lubricating Oil	-23.7	39.4	28.4	24.0	23.8	21.0	40.3	49.6	56.3	43.9	9.1
Minyak Tanah / Kerosene	-20.2	38.6	26.7	20.4	-10.8	-25.1	-32.1	-26.9	-3.4	30.4	-5.9
Nafta / Naptha	-12.1	13.4	20.5	1.0	-15.5	-16.6	-16.8	-17.1	-14.7	16.4	-20.2
Jumlah / Total	-8.2	37.7	20.9	9.3	3.5	3.3	8.6	3.9	7.6	-2.1	-9.1
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter											
Gas Asli Cecair / Liquefied Natural Gas	3.6	-9.6	4.3	0.9	10.4	-7.9	12.9	-9.6	11.3	-15.7	11.6
Gas Petroleum Cecair / Liquefied Petroleum Gas	1.2	-1.0	1.2	10.7	-7.6	4.8	-7.3	-1.3	3.8	-21.2	14.6
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	8.7	4.7	14.2	-5.7	-12.9	26.4	0.3	-25.9	-14.7	14.5	-4.4
Minyak Bahan Api / Fuel Oil	11.3	-2.7	12.7	-10.9	0.8	-13.6	12.2	5.7	-17.2	9.1	16.9
Minyak Diesel / Gas / Diesel / Gas Oil	7.3	-9.8	35.4	-1.1	-5.3	-17.5	56.0	8.7	-0.3	-35.2	30.6
Minyak Pelincir Campuran / Blended Lubricating Oil	-22.1	25.8	43.5	-11.8	-22.2	23.0	66.4	-6.0	-18.7	13.2	26.0
Minyak Tanah / Kerosene	0.6	11.5	6.1	1.2	-25.5	-6.4	-3.7	9.0	-1.6	26.3	-30.5
Nafta / Naptha	9.5	-5.8	0.3	-2.4	-8.4	-7.0	0.1	-2.8	-5.8	26.9	-31.3
Jumlah / Total	5.1	-6.1	11.3	-0.5	-0.5	-6.3	17.1	-4.8	3.1	-14.8	8.8
(D) Peratusan Sumbangan Percentage Share											
Gas Asli Cecair / Liquefied Natural Gas	50.1	48.2	45.2	45.9	50.9	50.0	48.2	45.8	49.4	48.9	50.2
Gas Petroleum Cecair / Liquefied Petroleum Gas	4.3	4.5	4.1	4.6	4.3	4.8	3.8	3.9	3.9	3.7	3.8
Gasolin (Spirit Motor) / Gasoline (Motor Spirit)	9.7	10.8	11.0	10.5	9.2	12.4	10.6	8.3	6.8	9.2	8.1
Minyak Bahan Api / Fuel Oil	3.4	3.6	3.6	3.2	3.3	3.0	2.9	3.2	2.6	3.3	3.5
Minyak Diesel / Gas / Diesel / Gas Oil	19.5	18.7	22.8	22.7	21.6	19.0	25.3	28.9	27.9	21.2	25.5
Minyak Pelincir Campuran / Blended Lubricating Oil	0.1	0.2	0.2	0.2	0.1	0.2	0.3	0.3	0.2	0.3	0.3
Minyak Tanah / Kerosene	6.1	7.2	6.9	7.0	5.2	5.2	4.3	4.9	4.7	7.0	4.5
Nafta / Naptha	6.7	6.7	6.1	6.0	5.5	5.4	4.7	4.8	4.3	6.5	4.1
Jumlah / Total	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

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) Value (RM Million)								
Jualan Produk Petroleum Bertapis¹ Refined Petroleum Products ¹	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 Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²	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 Retail Sale of Automotive Fuel in Specialised Stores ²	30,759	33,599	38,570	42,843	44,610	38,654	40,817	58,539
(B) Perubahan Peratusan Tahunan Annual Percentage Change								
Jualan Produk Petroleum Bertapis¹ Refined Petroleum Products ¹	-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 Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²	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 Retail Sale of Automotive Fuel in Specialised Stores ²	13.3	9.2	14.8	11.1	4.1	-13.4	5.6	43.4

Sumber / Source :

¹ Perangkaan Pembuatan Bulanan / Monthly Manufacturing Statistics² 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	2021				2022				2023		
	I	II	III	IV	I	II	III	IV	I	II	III
(A) Nilai (RM Juta) Value (RM Million)											
Jualan Produk Petroleum Bertapis¹ Refined Petroleum Products ¹	33,513	44,230	48,092	49,722	45,669	60,286	75,616	68,330	55,680	56,542	58,478
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²	34,432	34,208	31,952	35,789	36,494	38,027	37,543	36,135	36,116	37,572	40,112
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² Retail Sale of Automotive Fuel in Specialised Stores ²	10,061	9,259	10,053	11,444	11,544	15,044	15,724	16,227	16,500	16,718	16,759
(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	-17.6	59.8	66.8	58.9	36.3	36.3	57.2	37.4	21.9	-6.2	-22.7
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²	-3.9	48.6	4.8	4.9	6.0	11.2	17.5	1.0	-1.0	-1.2	6.8
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² Retail Sale of Automotive Fuel in Specialised Stores ²	-5.5	25.6	-5.1	14.0	14.7	62.5	56.4	41.8	42.9	11.1	6.6
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter											
Jualan Produk Petroleum Bertapis¹ Refined Petroleum Products ¹	7.1	32.0	8.7	3.4	-8.2	32.0	25.4	-9.6	-18.5	1.5	3.4
Jualan Borong Bahan Api Pepejal, Cecair & Gas dan Produk Berkaitan² Wholesale of Solid, Liquid & Gaseous Fuels and Related Products ²	1.0	-0.7	-6.6	12.0	2.0	4.2	-1.3	-3.8	-0.1	4.0	6.8
Jualan Runcit di Kedai Khusus yang Menjual Bahan Api Kenderaan² Retail Sale of Automotive Fuel in Specialised Stores ²	0.2	-8.0	8.6	13.8	0.9	30.3	4.5	3.2	1.7	1.3	0.2

Sumber / Source :

¹ Perangkaan Pembuatan Bulanan / Monthly Manufacturing Statistics² Jabatan Perangkaan Malaysia (DOSM) / Department of Statistics, Malaysia (DOSM)

5a

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**

5b 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	2021				2022 ^f				2023 ^p		
	I	II	III	IV	I	II	III	IV	I	II	III
(A) Nilai (RM Juta) Value (RM Million)											
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	4,703	5,430	5,138	4,783	7,517	9,695	10,142	7,872	8,311	6,466	7,820
Keluaran Petroleum Bertapis Refined Petroleum Products	14,146	22,645	24,911	24,458	20,580	36,300	53,465	39,492	33,861	35,284	30,968
Gas Asli Cecair Liquefied Natural Gas	8,142	8,501	9,660	11,890	13,257	15,574	19,079	20,092	17,759	12,756	12,500
(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	-28.8	80.1	-13.1	13.7	59.8	78.5	97.4	64.6	10.6	-33.3	-22.9
Keluaran Petroleum Bertapis Refined Petroleum Products	-19.5	90.5	109.9	97.4	45.5	60.3	114.6	61.5	64.5	-2.8	-42.1
Gas Asli Cecair Liquefied Natural Gas	-26.9	17.9	90.7	84.0	62.8	83.2	97.5	69.0	34.0	-18.1	-34.5
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter											
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	11.8	15.5	-5.4	-6.9	57.2	29.0	4.6	-22.4	5.6	-22.2	20.9
Keluaran Petroleum Bertapis Refined Petroleum Products	14.2	60.1	10.0	-1.8	-15.9	76.4	47.3	-26.1	-14.3	4.2	-12.2
Gas Asli Cecair Liquefied Natural Gas	26.0	4.4	13.6	23.1	11.5	17.5	22.5	5.3	-11.6	-28.2	-2.0

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	2021				2022 ^f				2023 ^p		
	I	II	III	IV	I	II	III	IV	I	II	III
(A) Volum ('000 Tan Metrik) <i>Volume ('000 Metric Tonnes)</i>											
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	2,849	2,604	2,240	1,897	2,533	2,583	2,536	2,200	2,703	2,213	2,690
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	7,821	10,472	10,742	8,871	6,499	9,613	14,255	11,397	10,622	11,762	9,470
Gas Asli Cecair <i>Liquefied Natural Gas</i>	6,704	6,127	5,667	6,199	6,888	6,717	6,746	6,965	7,385	6,049	6,061
(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>	-10.0	-0.7	-51.9	-41.5	-11.1	-0.8	13.2	16.0	6.7	-14.3	6.1
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-9.9	12.0	30.9	5.1	-16.9	-8.2	32.7	28.5	63.5	22.4	-33.6
Gas Asli Cecair <i>Liquefied Natural Gas</i>	-1.4	20.2	-3.8	-1.5	2.7	9.6	19.0	12.4	7.2	-10.0	-10.2
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya <i>Percentage Change from Preceding Quarter</i>											
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>	-12.2	-8.6	-14.0	-15.3	33.6	2.0	-1.8	-13.2	22.9	-18.1	21.6
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>	-7.4	33.9	2.6	-17.4	-26.7	47.9	48.3	-20.1	-6.8	10.7	-19.5
Gas Asli Cecair <i>Liquefied Natural Gas</i>	6.6	-8.6	-7.5	9.4	11.1	-2.5	0.4	3.3	6.0	-18.1	0.2

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 ^f
(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
Taiwan, Province Of China	-	-	-	-	-
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
Taiwan, Province Of China	-	-	-	-	-
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 :

^f 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	2021				2022 ^f				2023 ^p		
	I	II	III	IV	I	II	III	IV	I	II	III
(A) Nilai (RM Juta) Value (RM Million)											
Australia	1,536	1,430	1,392	1,487	1,604	2,691	2,188	1,947	2,044	1,112	1,433
Bangladesh	-	-	-	-	-	-	253	-	135	199	24
Brunei Darussalam	132	542	636	592	632	1,107	1,992	1,088	768	598	969
China	147	88	156	-	-	146	-	95	255	122	-
India	852	899	353	619	1,375	1,439	1,448	1,029	501	622	595
Indonesia	302	23	-	50	48	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Japan	412	436	900	745	1,115	422	1,495	1,589	1,605	1,654	1,825
Korea, Republic Of	12	-	-	-	-	290	-	-	-	112	115
New Zealand	194	-	68	210	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	68	-	-	-	-	-	-	-	-	-	-
Philippines	-	149	133	319	482	259	-	-	366	109	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
Singapore	287	519	276	92	96	701	900	316	283	432	347
Taiwan, Province Of China	-	-	-	-	-	-	-	-	-	-	87
Thailand	762	1,344	1,223	669	2,004	2,364	1,791	1,761	2,338	1,507	2,293
United Kingdom	-	-	-	-	-	0	-	-	-	-	-
United States	-	-	-	-	-	-	-	-	-	-	-
Viet Nam	-	-	-	-	160	276	76	46	17	-	132
Jumlah / Total	4,703	5,430	5,138	4,783	7,517	9,695	10,142	7,872	8,311	6,466	7,820
(B) Peratusan Sumbangan Percentage Share											
Australia	32.7	26.3	27.1	31.1	21.3	27.8	21.6	24.7	24.6	17.2	18.3
Bangladesh	-	-	-	-	-	-	2.5	-	1.6	3.1	0.3
Brunei Darussalam	2.8	10.0	12.4	12.4	8.4	11.4	19.6	13.8	9.2	9.2	12.4
China	3.1	1.6	3.0	-	-	1.5	-	1.2	3.1	1.9	-
India	18.1	16.6	6.9	12.9	18.3	14.8	14.3	13.1	6.0	9.6	7.6
Indonesia	6.4	0.4	-	1.0	0.6	-	-	-	-	-	-
Italy	-	-	-	-	-	-	-	-	-	-	-
Japan	8.8	8.0	17.5	15.6	14.8	4.4	14.7	20.2	19.3	25.6	23.3
Korea, Republic Of	0.2	-	-	-	-	3.0	-	-	-	1.7	1.5
New Zealand	4.1	-	1.3	4.4	-	-	-	-	-	-	-
Nigeria	-	-	-	-	-	-	-	-	-	-	-
Papua New Guinea	1.4	-	-	-	-	-	-	-	-	-	-
Philippines	-	2.7	2.6	6.7	6.4	2.7	-	-	4.4	1.7	-
Saudi Arabia	-	-	-	-	-	-	-	-	-	-	-
Singapore	6.1	9.6	5.4	1.9	1.3	7.2	8.9	4.0	3.4	6.7	4.4
Taiwan, Province Of China	-	-	-	-	-	-	-	-	-	-	1.1
Thailand	16.2	24.8	23.8	14.0	26.7	24.4	17.7	22.4	28.1	23.3	29.3
United Kingdom	-	-	-	-	-	0.0	-	-	-	-	-
United States	-	-	-	-	-	-	-	-	-	-	-
Viet Nam	-	-	-	-	2.1	2.9	0.7	0.6	0.2	-	1.7
Jumlah / Total	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)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

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
Indonesia	4,887	4,740	4,941	13,259	24,787
Iraq	0	0	16	1,373	2,494
Kenya	4	683	371	474	330
Korea, Republic Of	2,494	725	1,265	2,186	4,037
Mexico	194	78	6	30	598
Mozambique	33	388	204	840	1,347
Myanmar	561	169	404	943	2,911
Netherlands	15	1,042	810	1,184	2,553
New Zealand	49	122	72	88	2,491
Oman	78	57	0	376	346
Papua New Guinea	495	543	95	190	514
Philippines	1,404	1,829	1,602	2,510	3,705
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	10,430	10,741	8,003	14,207	27,062
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
Indonesia	7.4	7.7	9.2	15.4	16.5
Iraq	0.0	0.0	0.0	1.6	1.7
Kenya	0.0	1.1	0.7	0.6	0.2
Korea, Republic Of	3.8	1.2	2.4	2.5	2.7
Mexico	0.3	0.1	0.0	0.0	0.4
Mozambique	0.1	0.6	0.4	1.0	0.9
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
Oman	0.1	0.1	0.0	0.4	0.2
Papua New Guinea	0.8	0.9	0.2	0.2	0.3
Philippines	2.1	3.0	3.0	2.9	2.5
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	15.9	17.4	14.9	16.5	18.1
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	2021				2022 ^f				2023 ^p		
	I	II	III	IV	I	II	III	IV	I	II	III
(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	5,212
Bangladesh	830	1,572	1,301	1,628	1,540	4,328	3,752	1,771	1,232	692	2,560
China	2,212	2,162	1,113	841	1,085	1,006	628	616	395	615	1,264
Indonesia	1,450	2,757	4,116	4,936	3,959	5,905	9,539	5,384	4,578	5,071	4,218
Iraq	0	477	335	560	638	603	815	437	416	3	265
Kenya	1	0	1	472	-	-	224	106	0	0	411
Korea, Republic Of	377	382	773	655	981	1,063	1,357	637	898	3,410	1,748
Mexico	-	-	30	0	-	394	203	1	807	410	272
Mozambique	44	368	405	23	5	386	587	369	150	74	261
Myanmar	230	211	190	311	413	636	1,599	263	809	546	272
Netherlands	0	1	901	281	301	299	866	1,087	390	475	239
New Zealand	7	13	53	16	11	1,065	477	938	1,238	1,450	795
Oman	0	0	98	278	-	25	321	0	0	-	317
Papua New Guinea	82	27	75	6	8	34	442	30	169	71	344
Philippines	364	752	788	605	500	1,022	1,367	816	645	1,224	1,807
Singapore	3,736	4,710	6,070	5,163	5,144	6,670	11,749	9,739	8,670	7,018	5,742
Sri Lanka	153	208	150	397	203	95	1,115	306	414	514	473
Taiwan, Province Of China	270	245	590	723	955	1,046	874	608	603	827	512
United States	0	0	236	13	9	561	692	1,350	558	583	457
Viet Nam	1,360	1,349	640	1,940	1,342	1,007	1,249	2,157	1,555	1,677	1,629
Other countries	1,547	4,323	4,896	3,441	1,708	6,114	11,440	7,800	5,762	3,224	2,168
Jumlah / Total	14,146	22,645	24,911	24,458	20,580	36,300	53,465	39,492	33,861	35,284	30,968
(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	16.8
Bangladesh	5.9	6.9	5.2	6.7	7.5	11.9	7.0	4.5	3.6	2.0	8.3
China	15.6	9.5	4.5	3.4	5.3	2.8	1.2	1.6	1.2	1.7	4.1
Indonesia	10.2	12.2	16.5	20.2	19.2	16.3	17.8	13.6	13.5	14.4	13.6
Iraq	0.0	2.1	1.3	2.3	3.1	1.7	1.5	1.1	1.2	0.0	0.9
Kenya	0.0	0.0	0.0	1.9	-	-	0.4	0.3	0.0	0.0	1.3
Korea, Republic Of	2.7	1.7	3.1	2.7	4.8	2.9	2.5	1.6	2.7	9.7	5.6
Mexico	-	-	0.1	0.0	-	1.1	0.4	0.0	2.4	1.2	0.9
Mozambique	0.3	1.6	1.6	0.1	0.0	1.1	1.1	0.9	0.4	0.2	0.8
Myanmar	1.6	0.9	0.8	1.3	2.0	1.8	3.0	0.7	2.4	1.5	0.9
Netherlands	0.0	0.0	3.6	1.2	1.5	0.8	1.6	2.8	1.2	1.3	0.8
New Zealand	0.1	0.1	0.2	0.1	0.1	2.9	0.9	2.4	3.7	4.1	2.6
Oman	0.0	0.0	0.4	1.1	-	0.1	0.6	0.0	0.0	-	1.0
Papua New Guinea	0.6	0.1	0.3	0.0	0.0	0.1	0.8	0.1	0.5	0.2	1.1
Philippines	2.6	3.3	3.2	2.5	2.4	2.8	2.6	2.1	1.9	3.5	5.8
Singapore	26.4	20.8	24.4	21.1	25.0	18.4	22.0	24.7	25.6	19.9	18.5
Sri Lanka	1.1	0.9	0.6	1.6	1.0	0.3	2.1	0.8	1.2	1.5	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	1.7
United States	0.0	0.0	0.9	0.1	0.0	1.5	1.3	3.4	1.6	1.7	1.5
Viet Nam	9.6	6.0	2.6	7.9	6.5	2.8	2.3	5.5	4.6	4.8	5.3
Other countries	10.9	19.1	19.7	14.1	8.3	16.8	21.4	19.8	17.0	9.1	7.0
Jumlah / Total	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)

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
Kuwait	-	-	-	-	-
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
Kuwait	-	-	-	-	-
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	2021				2022 ^f				2023 ^p		
	I	II	III	IV	I	II	III	IV	I	II	III
(A) Nilai (RM Juta) Value (RM Million)											
Australia	5	3	3	-	-	-	10	-	-	-	4
Bangladesh	-	-	-	-	-	-	-	-	-	128	-
Brunei Darussalam	-	-	0	-	-	-	-	-	-	-	-
China	2,225	3,121	3,461	4,122	3,702	3,743	5,546	5,062	4,213	3,531	3,496
Croatia	-	1	-	-	-	-	-	-	-	-	-
India	-	-	90	-	122	367	-	-	-	-	-
Italy	-	1	-	7	-	-	-	-	22	-	-
Japan	4,282	3,204	4,114	4,813	6,012	7,339	8,860	8,356	8,369	5,492	4,943
Korea, Republic Of	1,272	1,627	1,335	1,916	2,801	2,040	3,271	4,369	4,474	2,324	2,397
Kuwait	-	-	-	-	-	-	-	-	-	-	135
Mozambique	-	4	-	-	-	-	-	-	-	-	-
Myanmar	218	85	-	-	-	-	32	-	-	-	-
Pakistan	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	1	4	-	-	-	-	-	-	-
Saudi Arabia	1	-	-	-	-	-	-	-	-	-	-
Singapore	2	-	5	95	-	374	-	323	-	132	-
Taiwan, Province Of China	-	160	182	187	-	254	354	606	135	131	557
Thailand	137	296	469	746	621	1,458	1,007	1,375	546	1,017	968
Trinidad and Tobago	-	-	-	-	-	-	-	1	-	-	-
United States	-	-	-	1	-	-	-	-	-	-	0
Jumlah / Total	8,142	8,501	9,660	11,890	13,257	15,574	19,079	20,092	17,759	12,756	12,500
(B) Peratusan Sumbangan Percentage Share											
Australia	0.1	0.0	0.0	-	-	-	0.1	-	-	-	0.0
Bangladesh	-	-	-	-	-	-	-	-	-	1.0	-
Brunei Darussalam	-	-	0.0	-	-	-	-	-	-	-	-
China	27.3	36.7	35.8	34.7	27.9	24.0	29.1	25.2	23.7	27.7	28.0
Croatia	-	0.0	-	-	-	-	-	-	-	-	-
India	-	-	0.9	-	0.9	2.4	-	-	-	-	-
Italy	-	0.0	-	0.1	-	-	-	-	0.1	-	-
Japan	52.6	37.7	42.6	40.5	45.4	47.1	46.4	41.6	47.1	43.1	39.5
Korea, Republic Of	15.6	19.1	13.8	16.1	21.1	13.1	17.1	21.7	25.2	18.2	19.2
Kuwait	-	-	-	-	-	-	-	-	-	-	1.1
Mozambique	-	0.0	-	-	-	-	-	-	-	-	-
Myanmar	2.7	1.0	-	-	-	-	0.2	-	-	-	-
Pakistan	-	-	-	-	-	-	-	-	-	-	-
Qatar	-	-	0.0	0.0	-	-	-	-	-	-	-
Saudi Arabia	0.0	-	-	-	-	-	-	-	-	-	-
Singapore	0.0	-	0.1	0.8	-	2.4	-	1.6	-	1.0	-
Taiwan, Province Of China	-	1.9	1.9	1.6	-	1.6	1.9	3.0	0.8	1.0	4.5
Thailand	1.7	3.5	4.9	6.3	4.7	9.4	5.3	6.8	3.1	8.0	7.7
Trinidad and Tobago	-	-	-	-	-	-	-	0.0	-	-	-
United States	-	-	-	0.0	-	-	-	-	-	-	0.0
Jumlah / Total	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)

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

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	2021				2022 ^f				2023 ^p		
	I	II	III	IV	I	II	III	IV	I	II	III
(A) Nilai (RM Juta) Value (RM Million)											
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	2,419	4,310	5,015	2,664	8,983	11,118	17,769	15,913	14,230	16,842	12,469
Keluaran Petroleum Bertapis Refined Petroleum Products	16,388	22,653	19,940	23,929	22,415	35,637	45,437	33,273	30,900	33,327	30,638
Gas Asli Cecair Liquefied Natural Gas	553	492	230	187	1,280	1,929	3,680	2,702	1,892	1,832	1,571
(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	-76.1	71.3	19.3	6.9	271.3	157.9	254.4	497.3	58.4	51.5	-29.8
Keluaran Petroleum Bertapis Refined Petroleum Products	-14.1	112.4	58.9	71.7	36.8	57.3	127.9	39.0	37.9	-6.5	-32.6
Gas Asli Cecair Liquefied Natural Gas	-58.3	-73.7	-80.7	-63.6	131.5	292.2	1,498.0	1,343.4	47.8	-5.1	-57.3
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter											
Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-2.9	78.2	16.3	-46.9	237.2	23.8	59.8	-10.4	-10.6	18.3	-26.0
Keluaran Petroleum Bertapis Refined Petroleum Products	17.6	38.2	-12.0	20.0	-6.3	59.0	27.5	-26.8	-7.1	7.9	-8.1
Gas Asli Cecair Liquefied Natural Gas	7.5	-11.0	-53.2	-18.7	583.6	50.8	90.8	-26.6	-30.0	-3.2	-14.2

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

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

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 <i>Description</i>		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>		9,245	9,874	10,379	10,476	13,429	12,405	6,540	15,681
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>		29,516	32,383	36,421	34,939	31,267	37,239	35,504	35,936
Gas Asli Cecair <i>Liquefied Natural Gas</i>		1,399	1,015	1,409	1,211	2,466	2,637	852	2,901
(B) Perubahan Peratusan Tahunan <i>Annual Percentage Change</i>									
Petroleum Mentah dan Kondensat <i>Crude Petroleum and Condensate</i>		-11.4	6.8	5.1	0.9	28.2	-7.6	-47.3	139.8
Keluaran Petroleum Bertapis <i>Refined Petroleum Products</i>		10.8	9.7	12.5	-4.1	-10.5	19.1	-4.7	1.2
Gas Asli Cecair <i>Liquefied Natural Gas</i>		-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		2021				2022 ^f				2023 ^p		
		I	II	III	IV	I	II	III	IV	I	II	III
(A)	Nilai (RM Juta) Value (RM Million)											
	Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	1,365	2,061	2,085	1,029	3,170	3,000	4,711	4,800	5,065	5,969	4,330
	Keluaran Petroleum Bertapis Refined Petroleum Products	9,085	9,942	8,127	8,351	7,117	8,610	11,035	9,174	9,115	10,158	9,152
	Gas Asli Cecair Liquefied Natural Gas	364	299	109	80	481	667	1,062	691	529	580	499
(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	-73.3	-8.3	-31.1	-49.1	132.2	45.6	125.9	366.5	59.8	99.0	-8.1
	Keluaran Petroleum Bertapis Refined Petroleum Products	4.7	19.2	-24.9	-11.2	-21.7	-13.4	35.8	9.9	28.1	18.0	-17.1
	Gas Asli Cecair Liquefied Natural Gas	-44.7	-62.2	-85.6	-81.3	32.1	122.9	874.4	763.6	10.1	-13.1	-53.0
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter											
	Petroleum Mentah dan Kondensat Crude Petroleum and Condensate	-32.5	50.9	1.2	-50.6	208.1	-5.4	57.0	1.9	5.5	17.8	-27.5
	Keluaran Petroleum Bertapis Refined Petroleum Products	-3.3	9.4	-18.3	2.8	-14.8	21.0	28.2	-16.9	-0.6	11.4	-9.9
	Gas Asli Cecair Liquefied Natural Gas	-14.8	-17.8	-63.6	-26.6	501.1	38.7	59.2	-34.9	-23.4	9.5	-13.9

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

Nota / Notes :
^p Awalan / Preliminary
^f Muktamad / Final

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	2021				2022 ^f				2023 ^p		
	I	II	III	IV	I	II	III	IV	I	II	III
(A) Nilai (RM Juta) Value (RM Million)											
Argentina	-	-	-	-	-	-	-	-	-	321	-
Australia	231	204	49	177	44	103	735	372	960	146	160
Brazil	73	232	209	220	132	214	172	206	202	216	110
Brunei Darussalam	-	-	8	300	292	3	46	15	26	255	385
Cameroon	-	-	-	-	-	-	-	-	-	396	-
China	-	-	-	-	-	-	187	133	-	87	-
Colombia	-	-	-	-	-	-	-	-	79	723	268
Congo	-	255	-	-	493	-	450	-	-	387	-
Gabon	326	210	-	252	370	501	574	-	298	-	555
Indonesia	-	84	208	-	-	-	-	163	169	-	-
Kuwait	-	148	161	-	358	231	745	1,282	612	642	219
Mozambique	-	-	-	-	-	-	-	-	100	74	-
Norway	-	-	-	-	-	-	-	-	28	-	-
Oman	332	-	-	147	-	228	87	172	348	185	247
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	6,718
Sudan	140	-	179	144	-	-	158	568	478	431	630
Thailand	74	-	-	154	349	475	443	224	101	470	165
United Arab Emirates	475	295	283	504	1,537	2,360	2,631	2,065	2,436	2,276	2,270
United States	-	-	-	-	-	0	622	-	813	316	742
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	12,469
(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	1.3
Brazil	3.0	5.4	4.2	8.0	1.5	1.9	1.0	1.3	1.4	1.3	0.9
Brunei Darussalam	-	-	0.2	10.9	3.2	0.0	0.3	0.1	0.2	1.5	3.1
Cameroon	-	-	-	-	-	-	-	-	-	2.3	-
China	-	-	-	1.9	-	-	1.1	0.8	-	0.5	-
Colombia	-	-	-	-	-	-	-	-	0.6	4.3	2.1
Congo	-	5.9	-	-	5.5	-	2.5	-	-	2.3	-
Gabon	13.5	4.9	-	9.1	4.1	4.5	3.2	-	2.1	-	4.5
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	1.8
Mozambique	-	-	-	-	-	-	-	-	0.7	0.4	-
Norway	-	-	-	-	-	-	-	-	0.2	-	-
Oman	13.7	-	-	5.3	-	2.0	0.5	1.1	2.4	1.1	2.0
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	53.9
Sudan	5.8	-	3.6	5.2	-	-	0.9	3.6	3.4	2.6	5.1
Thailand	3.1	-	-	5.6	3.9	4.3	2.5	1.4	0.7	2.8	1.3
United Arab Emirates	19.6	6.8	5.6	18.2	17.1	21.2	14.8	13.0	17.1	13.5	18.2
United States	-	-	-	-	-	0.0	3.5	-	5.7	1.9	6.0
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	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 ^f
(A) Nilai (RM Juta) Value (RM Million)						
Australia		261	444	312	431	411
Bahrain		65	145	449	100	263
Brazil		197	500	829	758	276
Brunei Darussalam		14	138	558	1,226	1,905
Canada		2	2	2	62	13
China		7,148	9,993	7,442	12,137	17,656
Congo		168	-	-	0	-
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
Korea, Republic Of		5,763	6,813	5,923	10,878	16,301
Kuwait		793	365	463	307	318
Netherlands		724	1,189	167	461	1,329
Philippines		255	185	288	258	537
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
United Arab Emirates		4,291	5,405	4,454	3,989	6,132
Other countries		5,781	4,945	6,497	8,323	11,719
Jumlah / Total		81,482	72,526	56,240	82,911	136,762
(B) Peratusan Sumbangan Percentage Share						
Australia		0.3	0.6	0.6	0.5	0.3
Bahrain		0.1	0.2	0.8	0.1	0.2
Brazil		0.2	0.7	1.5	0.9	0.2
Brunei Darussalam		0.0	0.2	1.0	1.5	1.4
Canada		0.0	0.0	0.0	0.1	0.0
China		8.8	13.8	13.2	14.6	12.9
Congo		0.2	-	-	0.0	-
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
Korea, Republic Of		7.1	9.4	10.5	13.1	11.9
Kuwait		1.0	0.5	0.8	0.4	0.2
Netherlands		0.9	1.6	0.3	0.6	1.0
Philippines		0.3	0.3	0.5	0.3	0.4
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
United Arab Emirates		5.3	7.5	7.9	4.8	4.5
Other countries		7.1	6.8	11.6	10.0	8.6
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 :

^f Muktamad / Final

13b Nilai Import Keluaran Petroleum Bertapis mengikut Negara Asal - Suku Tahunan

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

Keterangan Description	2021				2022 ^f				2023 ^p		
	I	II	III	IV	I	II	III	IV	I	II	III
(A) Nilai (RM Juta) Value (RM Million)											
Australia	29	218	79	105	45	30	277	58	73	408	693
Bahrain	60	40	0	0	15	102	-	146	27	128	113
Brazil	381	145	87	146	36	-	33	207	48	44	133
Brunei Darussalam	218	569	380	59	186	434	849	436	293	43	214
Canada	53	3	3	2	3	2	5	3	4	5	101
China	3,502	4,752	2,404	1,479	2,799	3,936	4,790	6,130	7,333	3,726	4,273
Congo	0	-	-	-	-	-	-	-	-	-	102
Greece	0	59	40	-	0	0	394	0	74	758	433
India	1,442	2,506	871	1,364	2,238	1,761	2,683	889	635	2,498	1,652
Indonesia	695	751	621	524	846	540	1,389	1,620	664	770	913
Korea, Republic Of	1,532	2,117	2,517	4,712	2,681	5,076	4,680	3,864	3,979	3,851	3,202
Kuwait	150	-	141	17	18	114	187	-	-	78	454
Netherlands	20	5	205	230	285	912	125	7	50	4	307
Philippines	39	7	123	89	146	225	68	97	51	6	78
Russian Federation	74	352	258	37	304	1,396	1,823	1,154	943	2,389	1,060
Saudi Arabia	563	588	644	1,533	667	688	1,357	767	1,194	1,487	1,298
Singapore	3,977	6,111	6,414	8,445	7,200	13,254	16,599	12,110	10,168	10,369	10,854
Taiwan, Province Of China	240	1,169	1,964	1,173	722	2,226	3,344	1,755	1,453	1,721	1,274
Thailand	466	177	409	517	214	511	1,098	352	404	227	644
United Arab Emirates	1,225	666	909	1,189	1,221	1,521	1,982	1,408	1,187	2,612	2,464
Other countries	1,723	2,421	1,870	2,309	2,789	2,908	3,754	2,267	2,320	2,202	376
Jumlah / Total	16,388	22,653	19,940	23,929	22,415	35,637	45,437	33,273	30,900	33,327	30,638
(B) Peratusan Sumbangan Percentage Share											
Australia	0.2	1.0	0.4	0.4	0.2	0.1	0.6	0.2	0.2	1.2	2.3
Bahrain	0.4	0.2	0.0	0.0	0.1	0.3	-	0.4	0.1	0.4	0.4
Brazil	2.3	0.6	0.4	0.6	0.2	-	0.1	0.6	0.2	0.1	0.4
Brunei Darussalam	1.3	2.5	1.9	0.2	0.8	1.2	1.9	1.3	0.9	0.1	0.7
Canada	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
China	21.4	21.0	12.1	6.2	12.5	11.0	10.5	18.4	23.7	11.2	13.9
Congo	0.0	-	-	-	-	-	-	-	-	-	0.3
Greece	0.0	0.3	0.2	-	0.0	0.0	0.9	0.0	0.2	2.3	1.4
India	8.8	11.1	4.4	5.7	10.0	4.9	5.9	2.7	2.1	7.5	5.4
Indonesia	4.2	3.3	3.1	2.2	3.8	1.5	3.1	4.9	2.1	2.3	3.0
Korea, Republic Of	9.3	9.3	12.6	19.7	12.0	14.2	10.3	11.6	12.9	11.6	10.5
Kuwait	0.9	-	0.7	0.1	0.1	0.3	0.4	-	-	0.2	1.5
Netherlands	0.1	0.0	1.0	1.0	1.3	2.6	0.3	0.0	0.2	0.0	1.0
Philippines	0.2	0.0	0.6	0.4	0.7	0.6	0.2	0.3	0.2	0.0	0.3
Russian Federation	0.4	1.6	1.3	0.2	1.4	3.9	4.0	3.5	3.1	7.2	3.5
Saudi Arabia	3.4	2.6	3.2	6.4	3.0	1.9	3.0	2.3	3.9	4.5	4.2
Singapore	24.3	27.0	32.2	35.3	32.1	37.2	36.5	36.4	32.9	31.1	35.4
Taiwan, Province Of China	1.5	5.2	9.9	4.9	3.2	6.2	7.4	5.3	4.7	5.2	4.2
Thailand	2.8	0.8	2.0	2.2	1.0	1.4	2.4	1.1	1.3	0.7	2.1
United Arab Emirates	7.5	2.9	4.6	5.0	5.4	4.3	4.4	4.2	3.8	7.8	8.0
Other countries	10.5	10.7	9.4	9.6	12.4	8.2	8.3	6.8	7.5	6.6	1.2
Jumlah / Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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

Nota / Notes :

^p Awalan / Preliminary

^f Muktamad / Final

14a 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	2021				2022 ^f				2023 ^p		
	I	II	III	IV	I	II	III	IV	I	II	III
(A) Nilai (RM Juta) <i>Value (RM Million)</i>											
Australia	478	492	118	133	1,142	1,376	2,381	1,905	1,666	1,607	1,356
Brunei Darussalam	-	-	112	54	137	553	1,300	751	226	225	215
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	1,832	1,571
(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	87.7	86.3
Brunei Darussalam	-	-	48.6	28.7	10.7	28.7	35.3	27.8	11.9	12.3	13.7
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	100.0

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

Nota / Notes :

^p **Awalan / Preliminary**

^f **Muktamad / Final**

Keterangan Description	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		2021 ^e				2022 ^p				2023		
		I	II	III	IV	I	II	III	IV	I	II	III
(A) Nilai (RM Juta) / Value (RM Million)												
Pertanian / Agriculture		30,102	34,778	40,461	42,960	38,570	43,996	40,208	37,029	30,958	32,437	40,255
Perombongan dan Pengkuarian		29,823	32,231	28,644	33,657	42,333	47,331	44,211	42,996	42,207	38,828	35,566
Mining and Quarrying												
Minyak Mentah dan Kondensat		13,838	16,651	11,682	13,154	20,058	24,942	16,939	15,386	17,502	17,832	14,314
Crude Oil and Condensate												
Gas Asli / Natural Gas		13,643	13,744	14,827	17,621	19,738	20,283	24,700	24,332	21,864	18,772	18,597
Perombongan Lain & Pengkuarian dan												
Perkhidmatan Sokongan		2,342	1,836	2,135	2,882	2,537	2,106	2,572	3,277	2,842	2,224	2,655
Other Mining & Quarrying and Supporting Services												
Pembuatan / Manufacturing		85,330	86,803	89,163	101,005	97,610	102,026	108,310	111,116	103,923	101,476	105,835
Produk Petroleum Bertapis		12,271	12,536	15,180	15,650	15,406	15,819	19,849	18,506	16,775	14,838	16,193
Refined Petroleum Products												
Pembinaan / Construction		15,110	13,849	12,943	13,815	14,814	14,877	15,554	15,571	16,170	16,179	17,085
Perkhidmatan / Services		206,986	202,208	203,250	228,758	224,832	231,453	243,986	255,722	246,328	245,215	258,830
Tambah Duti Import / Plus Import Duties		4,160	4,594	3,716	4,552	4,144	4,905	4,728	5,036	4,573	5,184	5,107
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		371,510	374,464	378,178	424,747	422,303	444,588	456,997	467,470	444,159	439,318	462,678
(B) Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya / Percentage Change from Corresponding Quarter of Preceding Year												
Pertanian / Agriculture		18.9	31.1	24.8	36.1	28.1	26.5	-0.6	-13.8	-19.7	-26.3	0.1
Perombongan dan Pengkuarian		-3.9	52.2	35.0	48.0	41.9	46.8	54.3	27.7	-0.3	-18.0	-19.6
Mining and Quarrying												
Minyak Mentah dan Kondensat		-3.5	118.8	30.9	61.8	44.9	49.8	45.0	17.0	-12.7	-28.5	-15.5
Crude Oil and Condensate												
Gas Asli / Natural Gas		-4.8	18.4	47.5	47.7	44.7	47.6	66.6	38.1	10.8	-7.4	-24.7
Perombongan Lain & Pengkuarian dan												
Perkhidmatan Sokongan		-0.6	-6.2	-4.9	7.7	8.3	14.7	20.5	13.7	12.0	5.6	3.2
Other Mining & Quarrying and Supporting Services												
Pembuatan / Manufacturing		7.7	31.5	6.2	17.2	14.4	17.5	21.5	10.0	6.5	-0.5	-2.3
Produk Petroleum Bertapis		0.5	49.1	49.3	38.0	25.6	26.2	30.8	18.3	8.9	-6.2	-18.4
Refined Petroleum Products												
Pembinaan / Construction		-10.2	42.8	-18.8	-9.1	-2.0	7.4	20.2	12.7	9.2	8.7	9.8
Perkhidmatan / Services		-2.0	14.8	-3.8	4.5	8.6	14.5	20.0	11.8	9.6	5.9	6.1
Tambah Duti Import / Plus Import Duties		17.4	30.2	-6.6	-3.2	-0.4	6.8	27.2	10.6	10.4	5.7	8.0
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		1.2	23.5	2.6	12.0	13.7	18.7	20.8	10.1	5.2	-1.2	1.2
(C) Perubahan Peratusan dari Suku Tahun Sebelumnya / Percentage Change from Preceding Quarter												
Pertanian / Agriculture		-4.6	15.5	16.3	6.2	-10.2	14.1	-8.6	-7.9	-16.4	4.8	24.1
Perombongan dan Pengkuarian		31.2	8.1	-11.1	17.5	25.8	11.8	-6.6	-2.7	-1.8	-8.0	-8.4
Mining and Quarrying												
Minyak Mentah dan Kondensat		70.2	20.3	-29.8	12.6	52.5	24.4	-32.1	-9.2	13.8	1.9	-19.7
Crude Oil and Condensate												
Gas Asli / Natural Gas		14.4	0.7	7.9	18.8	12.0	2.8	21.8	-1.5	-10.1	-14.1	-0.9
Perombongan Lain & Pengkuarian dan												
Perkhidmatan Sokongan		-12.5	-21.6	16.3	35.0	-12.0	-17.0	22.1	27.4	-13.3	-21.7	19.4
Other Mining & Quarrying and Supporting Services												
Pembuatan / Manufacturing		-1.0	1.7	2.7	13.3	-3.4	4.5	6.2	2.6	-6.5	-2.4	4.3
Produk Petroleum Bertapis		8.2	2.2	21.1	3.1	-1.6	2.7	25.5	-6.8	-9.4	-11.5	9.1
Refined Petroleum Products												
Pembinaan / Construction		-0.6	-8.3	-6.5	6.7	7.2	0.4	4.5	0.1	3.8	0.1	5.6
Perkhidmatan / Services		-5.5	-2.3	0.5	12.5	-1.7	2.9	5.4	4.8	-3.7	-0.5	5.6
Tambah Duti Import / Plus Import Duties		-11.6	10.5	-19.1	22.5	-9.0	18.4	-3.6	6.5	-9.2	13.4	-1.5
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		-2.1	0.8	1.0	12.3	-0.6	5.3	2.8	2.3	-5.0	-1.1	5.3
(D) Peratusan Sumbangan kepada KDNK / Percentage Share to GDP												
Pertanian / Agriculture		8.1	9.3	10.7	10.1	9.1	9.9	8.8	7.9	7.0	7.4	8.7
Perombongan dan Pengkuarian		8.0	8.6	7.6	7.9	10.0	10.6	9.7	9.2	9.5	8.8	7.7
Mining and Quarrying												
Minyak Mentah dan Kondensat		3.7	4.4	3.1	3.1	4.7	5.6	3.7	3.3	3.9	4.1	3.1
Crude Oil and Condensate												
Gas Asli / Natural Gas		3.7	3.7	3.9	4.1	4.7	4.6	5.4	5.2	4.9	4.3	4.0
Perombongan Lain & Pengkuarian dan												
Perkhidmatan Sokongan		0.6	0.5	0.6	0.7	0.6	0.5	0.6	0.7	0.6	0.5	0.6
Other Mining & Quarrying and Supporting Services												
Pembuatan / Manufacturing		23.0	23.2	23.6	23.8	23.1	22.9	23.7	23.8	23.4	23.1	22.9
Produk Petroleum Bertapis		3.3	3.3	4.0	3.7	3.6	3.6	4.3	4.0	3.8	3.4	3.5
Refined Petroleum Products												
Pembinaan / Construction		4.1	3.7	3.4	3.3	3.5	3.3	3.4	3.3	3.6	3.7	3.7
Perkhidmatan / Services		55.7	54.0	53.7	53.9	53.2	52.1	53.4	54.7	55.5	55.8	55.9
Tambah Duti Import / Plus Import Duties		1.1	1.2	1.0	1.1	1.0	1.1	1.0	1.1	1.0	1.2	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	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		2021 ^e				2022 ^p				2023		
		I	II	III	IV	I	II	III	IV	I	II	III
(A)	Nilai (RM Juta) / Value (RM Million)											
Pertanian / Agriculture		22,596	24,090	27,356	24,958	22,610	23,526	27,697	25,240	22,834	23,295	27,919
Perombongan dan Pengkuarian		24,630	24,073	21,207	23,807	24,087	23,666	23,133	25,314	24,675	23,128	23,113
Mining and Quarrying												
Minyak Mentah dan Kondensat		9,775	9,594	8,281	8,760	8,863	8,975	8,435	9,136	9,213	8,837	8,616
Crude Oil and Condensate												
Gas Asli / Natural Gas		12,746	12,820	10,987	12,612	13,096	12,937	12,494	13,538	13,180	12,469	12,215
Perombongan Lain & Pengkuarian dan												
Perkhidmatan Sokongan		2,109	1,660	1,938	2,435	2,127	1,754	2,204	2,640	2,282	1,821	2,282
Other Mining & Quarrying and Supporting Services												
Pembuatan / Manufacturing		81,710	81,543	81,697	91,889	87,181	89,039	92,399	95,513	89,996	89,151	92,296
Produk Petroleum Bertapis		9,425	9,605	10,409	10,375	9,665	9,877	11,506	10,857	10,270	9,649	10,538
Refined Petroleum Products												
Pembinaan / Construction		13,786	12,639	11,843	12,620	12,945	12,953	13,655	13,889	13,906	13,759	14,641
Perkhidmatan / Services		197,305	191,355	191,818	214,074	209,973	214,034	223,829	233,475	225,342	224,105	235,073
Tambah Duti Import / Plus Import Duties		3,978	4,068	3,365	4,235	3,808	4,228	4,171	4,577	4,211	4,510	4,540
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		344,005	337,770	337,286	371,583	360,603	367,444	384,884	398,008	380,966	377,949	397,582
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya / Percentage Change from Corresponding Quarter of Preceding Year											
Pertanian / Agriculture		0.3	-1.4	-2.1	3.1	0.1	-2.3	1.2	1.1	1.0	-1.0	0.8
Perombongan dan Pengkuarian		-3.3	12.6	-3.6	-0.9	-2.2	-1.7	9.1	6.3	2.4	-2.3	-0.1
Mining and Quarrying												
Minyak Mentah dan Kondensat		-10.3	6.2	-8.9	-6.9	-9.3	-6.5	1.9	4.3	4.0	-1.5	2.1
Crude Oil and Condensate												
Gas Asli / Natural Gas		2.5	22.0	2.0	3.6	2.7	0.9	13.7	7.3	0.6	-3.6	-2.2
Perombongan Lain & Pengkuarian dan												
Perkhidmatan Sokongan		-1.4	-10.0	-9.4	0.1	0.9	5.7	13.7	8.4	7.3	3.8	3.5
Other Mining & Quarrying and Supporting Services												
Pembuatan / Manufacturing		6.6	26.7	-0.9	9.2	6.7	9.2	13.1	3.9	3.2	0.1	-0.1
Produk Petroleum Bertapis		-4.6	33.8	19.1	9.3	2.5	2.8	10.5	4.6	6.3	-2.3	-8.4
Refined Petroleum Products												
Pembinaan / Construction		-10.3	40.4	-20.5	-12.0	-6.1	2.5	15.3	10.1	7.4	6.2	7.2
Perkhidmatan / Services		-2.0	13.8	-4.6	3.3	6.4	11.9	16.7	9.1	7.3	4.7	5.0
Tambah Duti Import / Plus Import Duties		18.9	18.4	-12.5	-10.3	-4.3	3.9	24.0	8.1	10.6	6.7	8.9
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		-0.2	16.2	-4.2	3.6	4.8	8.8	14.1	7.1	5.6	2.9	3.3
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya / Percentage Change from Preceding Quarter											
Pertanian / Agriculture		-6.7	6.6	13.6	-8.8	-9.4	4.1	17.7	-8.9	-9.5	2.0	19.8
Perombongan dan Pengkuarian		2.5	-2.3	-11.9	12.3	1.2	-1.7	-2.2	9.4	-2.5	-6.3	-0.1
Mining and Quarrying												
Minyak Mentah dan Kondensat		3.9	-1.9	-13.7	5.8	1.2	1.3	-6.0	8.3	0.8	-4.1	-2.5
Crude Oil and Condensate												
Gas Asli / Natural Gas		4.7	0.6	-14.3	14.8	3.8	-1.2	-3.4	8.4	-2.6	-5.4	-2.0
Perombongan Lain & Pengkuarian dan												
Perkhidmatan Sokongan		-13.3	-21.3	16.8	25.7	-12.6	-17.5	25.7	19.8	-13.6	-20.2	25.3
Other Mining & Quarrying and Supporting Services												
Pembuatan / Manufacturing		-2.9	-0.2	0.2	12.5	-5.1	2.1	3.8	3.4	-5.8	-0.9	3.5
Produk Petroleum Bertapis		-0.7	1.9	8.4	-0.3	-6.9	2.2	16.5	-5.6	-5.4	-6.0	9.2
Refined Petroleum Products												
Pembinaan / Construction		-3.9	-8.3	-6.3	6.6	2.6	0.1	5.4	1.7	0.1	-1.1	6.4
Perkhidmatan / Services		-4.8	-3.0	0.2	11.6	-1.9	1.9	4.6	4.3	-3.5	-0.5	4.9
Tambah Duti Import / Plus Import Duties		-15.7	2.3	-17.3	25.8	-10.1	11.0	-1.3	9.7	-8.0	7.1	0.7
KDNK pada Harga Pembeli / GDP at Purchasers' Prices		-4.1	-1.8	-0.1	10.2	-3.0	1.9	4.7	3.4	-4.3	-0.8	5.2
(D)	Peratusan Sumbangan kepada KDNK / Percentage Share to GDP											
Pertanian / Agriculture		6.6	7.1	8.1	6.7	6.3	6.4	7.2	6.3	6.0	6.2	7.0
Perombongan dan Pengkuarian		7.2	7.1	6.3	6.4	6.7	6.4	6.0	6.4	6.5	6.1	5.8
Mining and Quarrying												
Minyak Mentah dan Kondensat		2.8	2.8	2.5	2.4	2.5	2.4	2.2	2.3	2.4	2.3	2.2
Crude Oil and Condensate												
Gas Asli / Natural Gas		3.7	3.8	3.3	3.4	3.6	3.5	3.2	3.4	3.5	3.3	3.1
Perombongan Lain & Pengkuarian dan												
Perkhidmatan Sokongan		0.6	0.5	0.6	0.7	0.6	0.5	0.6	0.7	0.6	0.5	0.6
Other Mining & Quarrying and Supporting Services												
Pembuatan / Manufacturing		23.8	24.1	24.2	24.7	24.2	24.2	24.0	24.0	23.6	23.6	23.2
Produk Petroleum Bertapis		2.7	2.8	3.1	2.8	2.7	2.7	3.0	2.7	2.7	2.6	2.7
Refined Petroleum Products												
Pembinaan / Construction		4.0	3.7	3.5	3.4	3.6	3.5	3.5	3.5	3.7	3.6	3.7
Perkhidmatan / Services		57.4	56.7	56.9	57.6	58.2	58.2	58.7	58.7	59.2	59.3	59.1
Tambah Duti Import / Plus Import Duties		1.2	1.2	1.0	1.1	1.1	1.2	1.1	1.1	1.1	1.2	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	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)

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 <i>Extraction of Crude Petroleum Oils and Condensates</i>	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) <i>Production of Crude Gaseous Hydrocarbon (Natural Gas)</i>	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 <i>Petroleum, Chemical, Rubber and Plastic Products</i>	20.6	100.0	104.1	108.3	112.6	115.9	115.0	130.1	131.3
Pembuatan Kok dan Produk Petroleum Bertapis <i>Manufacture of Coke and Refined Petroleum Products</i>	9.4	100.0	103.1	106.7	110.2	113.2	101.2	112.9	120.0
Pembuatan Kimia dan Produk Kimia <i>Manufacture of Chemicals and Chemical Products</i>	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 <i>Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products</i>	0.4	100.0	104.4	109.4	115.9	120.7	138.2	159.9	169.7
Pembuatan Produk Getah dan Plastik <i>Manufacture of Rubber and Plastics Products</i>	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 <i>Extraction of Crude Petroleum Oils and Condensates</i>			1.2	-1.7	-0.2	-5.9	-8.9	-5.2	-2.7
Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) <i>Production of Crude Gaseous Hydrocarbon (Natural Gas)</i>			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 <i>Petroleum, Chemical, Rubber and Plastic Products</i>			4.1	4.0	4.6	4.9	-0.8	13.1	0.9
Pembuatan Kok dan Produk Petroleum Bertapis <i>Manufacture of Coke and Refined Petroleum Products</i>			3.1	3.5	3.3	2.7	-10.6	11.6	6.3
Pembuatan Kimia dan Produk Kimia <i>Manufacture of Chemicals and Chemical Products</i>			6.0	4.3	4.4	1.8	-7.1	9.4	4.1
Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani <i>Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products</i>			4.4	4.8	5.9	4.2	14.5	15.7	6.1
Pembuatan Produk Getah dan Plastik <i>Manufacture of Rubber and Plastics Products</i>			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	2021				2022				2023		
			I	II	III	IV	I	II	III	IV	I	II	III
(A)	Indeks Index												
	IPP / IPI	100.0	117.7	115.8	114.4	125.3	122.6	123.6	128.4	130.4	126.2	123.2	128.4
	Perlombongan / Mining	25.1	97.1	94.9	83.8	91.4	94.7	92.8	91.0	97.0	96.7	90.1	90.7
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates	12.2	86.4	83.8	74.9	77.9	78.3	78.4	76.4	81.3	81.6	77.2	78.1
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)	12.9	107.3	105.3	92.2	104.3	110.3	106.3	104.8	111.9	111.0	102.4	102.6
	Pembuatan / Manufacturing	68.3	125.3	123.4	125.6	137.9	133.2	134.8	142.5	143.5	137.7	134.9	142.3
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products	20.6	131.0	127.7	131.3	130.3	130.2	126.6	136.9	131.5	132.9	124.3	132.9
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products	9.4	113.7	105.9	115.6	116.3	118.6	110.7	128.4	122.3	128.0	108.7	117.5
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products	6.4	120.7	112.9	119.5	125.0	125.7	120.1	124.6	127.2	129.2	125.9	133.3
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products	0.4	142.1	155.1	173.4	169.1	156.2	162.7	185.6	174.3	165.3	163.1	176.1
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products	4.5	181.0	191.8	177.3	163.6	158.3	166.0	167.8	152.9	145.9	151.4	160.9
	Elektrik / Electric	6.6	117.1	117.8	115.6	123.8	119.4	124.7	125.6	121.8	119.7	128.2	128.1
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year												
	IPP / IPI		4.1	22.5	-1.2	6.9	4.2	6.7	12.2	4.0	2.9	-0.3	-0.04
	Perlombongan / Mining		-3.3	14.8	-3.0	-1.1	-2.5	-2.2	8.6	6.1	2.1	-2.8	-0.4
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates		-10.0	6.6	-8.7	-7.1	-9.4	-6.4	1.9	4.4	4.2	-1.6	2.2
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)		2.5	22.0	2.0	3.6	2.7	0.9	13.7	7.3	0.6	-3.7	-2.1
	Pembuatan / Manufacturing		6.8	26.3	-0.7	9.2	6.3	9.3	13.4	4.0	3.4	0.1	-0.1
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products		9.2	29.3	11.4	5.6	-0.7	-0.8	4.2	0.9	2.1	-1.8	-2.9
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products		-5.9	34.5	18.0	8.6	4.3	4.5	11.1	5.1	7.9	-1.8	-8.5
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products		4.5	16.6	7.3	10.5	4.2	6.5	4.3	1.7	2.8	4.8	7.0
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products		21.5	10.8	12.2	19.5	9.9	4.9	7.0	3.0	5.8	0.2	-5.1
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products		44.8	37.2	7.2	-4.1	-12.5	-13.5	-5.4	-6.5	-7.8	-8.8	-4.1
	Elektrik / Electric		-0.1	8.6	-2.8	4.8	2.0	5.8	8.7	-1.7	0.3	2.8	2.0
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter												
	IPP / IPI		0.4	-1.6	-1.2	9.5	-2.1	0.8	3.9	1.5	-3.3	-2.3	4.2
	Perlombongan / Mining		5.1	-2.3	-11.7	9.1	3.6	-2.1	-1.9	6.6	-0.3	-6.8	0.6
	Pengekstrakan Minyak Petroleum Mentah dan Kondensat / Extraction of Crude Petroleum Oils and Condensates		3.1	-3.0	-10.6	3.9	0.5	0.2	-2.6	6.4	0.3	-5.4	1.1
	Pengeluaran Gas Hidrokarbon Mentah Bergas (Gas Asli) / Production of Crude Gaseous Hydrocarbon (Natural Gas)		6.6	-1.8	-12.5	13.1	5.8	-3.6	-1.5	6.8	-0.8	-7.7	0.2
	Pembuatan / Manufacturing		-0.8	-1.5	1.8	9.8	-3.4	1.2	5.7	0.7	-4.0	-2.1	5.5
	Produk Petroleum, Kimia, Getah dan Plastik Petroleum, Chemical, Rubber and Plastic Products		6.2	-2.6	2.8	-0.8	-0.1	-2.7	8.1	-3.9	1.1	-6.5	6.9
	Pembuatan Kok dan Produk Petroleum Bertapis Manufacture of Coke and Refined Petroleum Products		6.1	-6.8	9.1	0.7	2.0	-6.7	16.0	-4.7	4.6	-15.1	8.2
	Pembuatan Kimia dan Produk Kimia Manufacture of Chemicals and Chemical Products		6.7	-6.5	5.9	4.6	0.5	-4.4	3.7	2.1	1.6	-2.5	5.8
	Pembuatan Produk Farmaseutikal Asas, Kimia Perubatan dan Botani / Manufacture of Basic Pharmaceuticals, Medicinal Chemical and Botanical Products		0.5	9.1	11.8	-2.5	-7.6	4.1	14.1	-6.1	-5.1	-1.4	8.0
	Pembuatan Produk Getah dan Plastik Manufacture of Rubber and Plastics Products		6.2	5.9	-7.5	-7.7	-3.2	4.8	1.1	-8.8	-4.6	3.7	6.3
	Elektrik / Electric		-0.9	0.7	-1.9	7.1	-3.6	4.5	0.7	-3.1	-1.7	7.1	-0.1

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)

Keterangan Description		Wajaran Weights 2015	2021				2022				2023		
			I	II	III	IV	I	II	III	IV	I	II	III
(A)	Indeks Index												
	IHPR / PPI	100.000	108.5	111.3	113.1	115.5	119.6	123.6	120.4	119.6	118.6	118.5	118.7
	Perlombongan / Mining	7.927	81.3	89.6	98.4	100.9	104.3	106.4	103.2	102.7	97.2	94.9	100.3
	Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum	5.782	86.9	96.6	104.8	106.9	109.5	110.2	102.9	97.6	91.2	90.2	97.9
	Pengekstrakan Gas Asli Extraction of Natural Gas	2.145	64.1	68.1	79.2	83.3	90.4	97.8	109.2	126.5	124.0	116.8	114.2
	Pembuatan / Manufacturing	81.571	108.6	110.6	112.2	114.2	117.3	121.7	122.4	121.7	120.7	120.5	120.3
	Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products	10.038	124.3	130.2	136.9	142.2	150.0	160.0	166.3	166.1	158.5	152.7	148.4
(B)	Perubahan Peratusan dari Suku Tahun yang Sama Tahun Sebelumnya Percentage Change from Corresponding Quarter of Preceding Year												
	IHPR / PPI		3.0	11.3	11.8	11.9	10.2	11.1	6.5	3.5	-0.8	-4.1	0.2
	Perlombongan / Mining		-7.3	73.9	58.9	65.3	28.4	18.8	4.9	1.8	-6.8	-10.8	-2.6
	Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		-5.7	96.8	63.2	71.9	25.9	14.1	-1.8	-8.6	-16.7	-18.1	8.5
	Pengekstrakan Gas Asli Extraction of Natural Gas		-14.6	7.6	41.0	39.4	41.1	43.6	37.8	51.8	37.2	19.4	-2.2
	Pembuatan / Manufacturing		1.6	5.0	7.3	7.9	8.0	10.0	9.1	6.6	2.9	-1.0	-1.7
	Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		-1.0	10.1	21.2	24.9	20.7	22.9	21.4	16.8	5.7	-4.6	-2.8
(C)	Perubahan Peratusan dari Suku Tahun Sebelumnya Percentage Change from Preceding Quarter												
	IHPR / PPI		5.1	2.6	1.6	2.1	3.5	3.3	-2.6	-0.7	-0.8	-0.1	0.2
	Perlombongan / Mining		33.2	10.3	9.8	2.5	3.4	2.0	-3.0	-0.5	-5.4	-2.4	4.2
	Pengekstrakan Petroleum Mentah Extraction of Crude Petroleum		39.8	11.1	8.5	2.0	2.4	0.6	-6.6	-5.1	-6.6	-1.1	8.5
	Pengekstrakan Gas Asli Extraction of Natural Gas		7.2	6.2	16.4	5.2	8.4	8.2	11.7	15.8	-2.0	-5.8	-2.2
	Pembuatan / Manufacturing		2.6	1.8	1.4	1.8	2.7	3.8	0.6	-0.6	-0.8	-0.2	0.1
	Pembuatan Produk Petroleum Bertapis Manufacture of Refined Petroleum Products		9.1	4.8	5.2	3.8	5.5	6.6	3.9	-0.1	-4.6	-3.7	-2.8

Sumber : Indeks Harga Pengeluar Pengeluaran Tempatan (2010 = 100)
Source : Producer Price Index Local Production (2010 = 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	2021				2022				2023 ^P		
	I	II	III	IV	I	II	III	IV	I	II	III
(A) Bilangan ('000 orang) Total ('000 persons)											
Mahir Skilled	23.5	23.5	23.5	23.5	23.4	23.5	22.9	23.2	23.5	23.5	23.6
Separuh Mahir Semi-skilled	46.1	45.6	45.0	44.6	44.4	44.3	45.4	46.1	46.4	46.8	47.2
Berkemahiran Rendah Low-skilled	9.5	9.4	9.4	9.4	9.3	9.4	9.6	9.7	9.7	9.6	9.5
Jumlah Total	79.1	78.4	77.9	77.4	77.1	77.2	77.9	79.1	79.7	79.9	80.3
(B) Peratusan Sumbangan Percentage Share											
Mahir Skilled	29.8	29.9	30.1	30.3	30.3	30.5	29.4	29.4	29.6	29.4	29.3
Separuh Mahir Semi-skilled	58.3	58.1	57.8	57.6	57.6	57.3	58.3	58.3	58.2	58.6	58.8
Berkemahiran Rendah Low-skilled	12.0	12.0	12.1	12.1	12.1	12.2	12.3	12.3	12.2	12.0	11.9
Jumlah Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

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

Nota / Notes :
^P Awalan / Preliminary

Produktiviti Buruh Sektor Perlombongan dan Pengkuarian - Tahunan
Labour Productivity of Mining and Quarrying Sector - Annually

Keterangan Description		2015	2016	2017	2018	2019	2020	2021 ^e	2022 ^p
(A) Produktiviti <i>Productivity</i>									
Nilai Ditambah pada Harga Malar <i>Value Added at Constant Prices</i>	(RM Juta) <i>(RM Million)</i>	103,059	105,368	105,838	103,557	102,887	92,879	93,717	96,199
Jumlah Jam Bekerja <i>Total Hours Worked</i>	(Juta Jam) <i>(Million Hours)</i>	190	190	196	185	185	168	175	181
Jumlah Pekerja <i>Total Workers</i>	('000 Orang) <i>('000 Persons)</i>	79	76	81	76	75	74	75	76
Nilai Ditambah per Jam Pekerja <i>Value Added per Hour Worked</i>	RM	541	554	540	558	556	554	537	530
Nilai Ditambah per Pekerja <i>Value Added per Employment</i>	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 <i>Annual Percentage Change</i>									
Nilai Ditambah pada Harga Malar <i>Value Added at Constant Prices</i>		-	2.2	0.4	-2.2	-0.6	-9.7	0.9	2.6
Jumlah Jam Bekerja <i>Total Hours Worked</i>		-	-0.04	2.9	-5.3	-0.3	-9.4	4.2	3.9
Jumlah Pekerja <i>Total</i>		-	-3.5	5.5	-6.0	-0.4	-2.3	1.7	1.2
Nilai Ditambah per Jam Pekerja <i>Value Added per Hour Worked</i>		-	2.3	-2.4	3.3	-0.4	-0.3	-3.2	-1.2
Nilai Ditambah per Pekerja <i>Value Added per Employment</i>		-	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		2021 ^e				2022 ^p				2023			
		I	II	III	IV	I	II	III	IV	I	II	III	
(A)	Produktiviti Productivity												
	Nilai Ditambah pada Harga Malar Value Added at Constant Prices	(RM Juta) (RM Million)	24,630	24,073	21,207	23,807	24,087	23,666	23,133	25,314	24,675	23,128	23,114
	Jumlah Jam Bekerja Total Hours Worked	(Juta Jam) (Million Hours)	44	43	44	45	45	45	46	46	46	47	46
	Jumlah Pekerja Total Workers	('000 Orang) (000 Persons)	74	74	76	76	76	76	76	76	76	76	76
	Nilai Ditambah per Jam Pekerja Value Added per Hour Worked	RM	564	566	486	531	531	531	506	553	540	495	503
	Nilai Ditambah per Pekerja Value Added per Employment	RM	333,475	323,649	279,934	313,635	317,764	312,671	304,286	332,521	323,940	303,180	302,720
(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		-3.3	12.6	-3.6	-0.9	-2.2	-1.7	9.1	6.3	2.4	-2.3	-0.1
	Jumlah Jam Bekerja Total Hours Worked		-2.5	22.6	-7.3	9.3	3.9	4.8	4.8	2.0	0.9	4.7	0.4
	Jumlah Pekerja Total Workers		-0.8	-0.2	-2.3	11.0	2.6	1.8	0.4	0.3	0.5	0.8	0.4
	Nilai Ditambah per Jam Pekerja Value Added per Hour Worked		-0.8	-8.2	4.0	-9.3	-5.9	-6.2	4.1	4.2	1.6	-6.7	-0.4
	Nilai Ditambah per Pekerja Value Added per Employment		-2.4	12.8	-1.4	-10.7	-4.7	-3.4	8.7	6.0	1.9	-3.0	-0.5

Sumber : Produktiviti Buruh Suku Tahunan

Source : Quarterly Labour Productivity

Nota / Notes :

^e Anggaran / Estimate^p Awalan / Preliminary

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).

E. PINDAAN

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



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 3. Technicians and associate 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 Standard Industrial Classification (MSIC) 2008 Ver. 1.0 (Refer Appendix).

E. REVISION

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





Piawaian Klasifikasi Industri Malaysia, 2008 Ver. 1.0
Malaysia Standard 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 Standard 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 Standard 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	Support activities for mining and quarrying extraction
	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	Support activities for other mining and quarrying
	09900	Aktiviti sokongan perlombongan dan pengkuarian lain	<i>Support activities for other mining and quarrying</i>
		Pembuatan kok dan produk petroleum bertapis	Manufacture of coke and refined petroleum
192		Pembuatan produk petroleum bertapis	Manufacture of refined petroleum products
	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	Wholesale trade, except of motor vehicle and motorcycles
466		Lain-lain pengkhususan jual borong	Other specialized wholesale
	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	Retail trade, except motor vehicles and motorcycles
473		Jualan runcit bahan api kenderaan di stor pengkhususan	Retail sale of automotive fuel in specialized stores
	47300	Jualan runcit bahan api kenderaan di kedai khusus	<i>Retail sale of automotive fuel in specialized stores</i>

