UNIVERSITI TEKNOLOGI MARA

PETRONAS

INDUSTRIAL TRAINING REPORT 2025

MARCH - AUGUST

PREPARED BY

NUR QISTINA BINTI NORMAN

PRESENTED FOR

MADAM NANI SHUHADA BINTI SEHAT

https://www.petronas.com/pic/about-pic/prpc

SURAT KEBENARAN

Tarikh : 21 August 2025

Kepada :

Penyelaras Latihan Praktikal
Fakulti Pengurusan Perniagaan
UiTM Kampus Bandaraya Melaka
110 Off Jalan Hang Tuah
75300 Melaka
No Tel : 06-285 7119 / 7190 / 7196
Email : praktikalfppmelaka@uitm.edu.my

Maklumbalas (/)

[ ] Setuju

[/] Tidak Bersetuju

Tuan/Puan

KEBENARAN UNTUK MEMUAT NAIK HASIL LAPORAN PELAJAR LATIHAN INDUSTRI SEBAGAI *"PUBLIC ACCESS"* DI REPOSITORI UITM

1. Merujuk perkara di atas, pihak organisasi ~~bersetuju~~ / tidak bersetuju pihak universiti memuat naik hasil laporan pelajar latihan industri sebagai *"public access"* di repositori UiTM.

Nama Pelajar	Nur Qistina binti Norman		
No. Matriks	2023393381	**Nama Program**	BA246
Tajuk Laporan		**Nama Syarikat**	PETRONAS Refinery and Petrochemical Corp. Sdn. Bhd. (PRPC)

2. Tindakan ini adalah di bawah tanggungjawab dan kesedaran penuh oleh pihak organisasi.

3. Sekiranya terdapat sebarang masalah atau kebocoran maklumat sulit pihak organisasi tidak boleh mengenakan sebarang tindakan undang-undang kepada pihak universiti.

Yang Benar

....

Nama Pegawai : Muhammad Hafez Bin Abdul Malek
Jawatan : Pengurus
No. Tel. : +60134563883
No. Faks : -

Cop jabatan/organisasi:

EXECUTIVE SUMMARY

Industrial training, or internship, is a structured program that allows students to gain real-world experience in their field of study. It is a compulsory component for all undergraduate programs under the Faculty of Business and Management, as stated in the official Plan of Study. The goal is to bridge the gap between theoretical knowledge and practical application, preparing students for the professional world. Internships expose students to actual business environments, enhance employability, and provide insight into workplace expectations. According to the National Association of Colleges and Employers (NACE), internships are crucial in developing career readiness competencies, such as communication, teamwork, and problem-solving (NACE, 2023).

This report highlights my five-month industrial training experience at PETRONAS Refinery and Petrochemical Corporation Sdn Bhd (PRPC), from 3 March 2025 to 15 August 2025. PRPC serves as the Park Developer and Manager of the Pengerang Integrated Complex (PIC) in Johor, Malaysia. It plays a critical role in ensuring the safe, secure, and efficient operation of PIC, PETRONAS' largest downstream investment. The company also acts as a one-stop centre for investors, offering services ranging from regulatory guidance to site integration, while upholding the highest standards of Health, Safety, Security, and Environment (HSSE). This report includes a brief background of PRPC, its operational structure, and its path to becoming a leading player in the oil and gas sector.

During my internship, I was placed in the Commercial Development team, which oversees contract development and agreement management for various projects. This division plays a vital role in supporting business operations through contract drafting, negotiation, and billing arrangements. I had the opportunity to be involved in price benchmarking, reviewing contract documents, and understanding the strategic elements of commercial negotiations. This hands-on experience gave me valuable exposure to real business functions and deepened my understanding of the corporate environment, particularly in the oil and gas industry.

This report presents a comprehensive summary of the tasks undertaken, challenges faced, and outcomes accomplished throughout the internship, along with a SWOT analysis of PRPC and proposed recommendations for continuous improvement. Overall, the internship served as a valuable learning experience that enhanced my academic foundation and strengthened my preparedness for future professional endeavours.

3.1 - PETRONAS Refinery and Petrochemical Corporation Sdn. Bhd

PETRONAS Refinery & Petrochemical Corporation Sdn. Bhd. (PRPC), serves as the park developer, manager, and service provider for the Pengerang Integrated Complex (PIC) located in Pengerang, Johor. PRPC is responsible for ensuring that all operations and activities within the complex are carried out safely. Its subsidiary, PRPC Utilities and Facilities Sdn. Bhd., acts as the hub for supplying reliable and efficient utilities to support manufacturing processes within the PIC. These essential services include water supply, natural gas distribution, industrial wastewater treatment, centralised maintenance and control, as well as analytical and product development laboratory services

PRPC is a subsidiary of PETRONAS, which stands for Petroliam Nasional Berhad. Malaysia's fully integrated oil and gas company, wholly owned by the Government of Malaysia. Established in 1974, PETRONAS is entrusted with managing the country's petroleum resources and has since grown into a global energy company, operating across the entire oil and gas value chain. It is ranked among the Fortune Global 500 and has built a reputation for sustainable development, technological innovation, and operational excellence. The development of PIC through PRPC is a strategic move by PETRONAS to strengthen its downstream portfolio and enhance Malaysia's competitiveness in the global petrochemical industry.

3.1 - PETRONAS Refinery and Petrochemical Corporation Sdn. Bhd

The PIC is part of the larger Pengerang Integrated Petroleum Complex (PIPC), which is overseen by the Johor Petroleum Development Corporation Berhad (JPDC). JPDC is a government agency tasked with coordinating, facilitating and promoting the development of the downstream oil and gas sector in Johor. The PIPC houses facilities such as LNG terminals, petrochemical plants, liquefied naphtha crackers, oil refineries, and a regasification facility, covering a total area of 80 km². The PIC represents PETRONAS' largest downstream investment and greenfield development in a single location to date.

A key part of this development is the Refinery and Petrochemical Integrated Development Project (RAPID), with an investment value of USD 16 billion. This is complemented by supporting utilities and facilities worth an additional USD 11 billion, including centralised utilities, a raw water supply facility, a deepwater terminal, a liquefied natural gas terminal, a cogeneration power plant, and an air separation unit bringing the total project cost to USD 27 billion. Completed in 2019, the PIC has a refining capacity of 300,000 barrels per day and petrochemical plants capable of producing approximately 3.6 million tonnes of petrochemical products annually.