

PUTERI AISYAH BINTI A RAHMAN ANSARI

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A self-motivated and dedicated chemical engineering graduate with a strong interest in programming and web development. I have hands-on experience in troubleshooting, system analysis, and process optimization, complemented by recent training and certification in cloud computing and AI. Proficient in problem-solving and adapting to new technologies, I am eager to apply my technical skills in front-end and back-end web development. Throughout university, I actively participated in leadership and teamwork-driven initiatives, demonstrating my ability to collaborate effectively. I am looking for an opportunity to grow as a software engineer, gain practical experience in web development, and contribute to building innovative applications.

KEY SKILLS

Technical tools: Microsoft (Word, Powerpoint, Excel), Microsoft Power BI

Softwares: SAP system, AutoCAD, MATLAB, SuperPro Designer, AWS, Docker, Python

Languages: Bahasa Malaysia, English

PROFESSIONAL EXPERIENCES

Bunge Loder Croklaan, Pasir Gudang, Johor

July 2023-October 2023

Reliability Engineer Intern (Maintenance Department)

1. Equipment Monitoring and Maintenance

- Utilized the SAP system for accurate equipment data entry and maintenance record keeping across various plants.
- Applied preventive maintenance principles using Leonova device for equipment vibration monitoring and data analysis via Condmaster Ruby.
- Developed standard operating procedures (SOPs) for Leonova device usage for new technicians.
- Completed training in bearing and laser alignment for plant machinery.
- Familiar with PLC systems used for automation in plant machinery and equipment troubleshooting, contributing to process improvements.

2. Equipment Troubleshooting and Assembly

- Participated in workshops to understand and troubleshoot various plant equipment issues, including pumps, heat exchangers, and other critical machinery.

EDUCATION

Telecommunication Engineering College (TEC), Puchong, Selangor

Dec 2024 - Jan 2024

Radio Frequency Mobile Network Engineering

Universiti Teknologi Malaysia, Johor Bahru, Johor

Oct 2020 – Oct 2024

Bachelor of Chemical Engineering (Bioprocess) with Honours

CGPA: 3.27 (Dean List in Sem 8)

Kolej Matrikulasi Pahang, Pahang

May 2019 – Mar 2020

Science Stream Module 1

CGPA: 3.21

ENGINEERING PROJECTS

Final Year Project

May 2023 – Jan 2024

Comparison of Spent Coffee Ground (SCG) Crude Extracts and Fraction on Polyphenol and Antioxidant Content

- Optimized extraction processes, leading to improved yield and purity of bioactive compounds, contributing to potential applications in sustainable product development.

Plant Design Project

Nov 2023 – July 2024

Production of 600 Tonnes Ascorbic Acid per Annum

- Researched and analyzed the entire production process, including fermentation, distillation, and purification, to achieve a final product.
- Applied core chemical engineering principles, including material and energy balances, process optimization, cost estimation, and equipment selection for the plant.
- Designed and evaluated key plant components, including machinery, safety systems, and waste management processes, to meet environmental and regulatory standards.
- Utilized SuperPro Designer for simulation and optimization of production processes to enhance operational efficiency and profitability and employed AutoCAD for design.

EXTRACURRICULAR ACTIVITIES

Kor Sukarelawan Polis Siswa Siswi (Kor Suksis) for 2021/2023

- Completed intensive 3-year training program with SUKSIS achieving the title of Inspector KS.
- Maintained a balance between academic responsibilities and extracurricular activities.

Director, Majlis Agihan Tabung Prihatin Program under PERMATA UTM (Persatuan Mahasiswa Anak Terengganu)

- Secured RM22,500 sponsorship from Yayasan Terengganu, providing iPads and financial aid to 70 B40 students.

Director, Blood Donation under Kesia Club UTM (Kelab Siswa Aktif)

- Led blood donation drives in collaboration with KPJ specialists, achieving collection targets and promoting community health awareness.

Volunteering Program BASIP (Bakti Bersama Siswa Permata)

- Served as the emcee for the closing ceremony, ensuring the program ran smoothly and successfully.

Head of Virtue and Spirituality in PERMATA 22/23

- Organized seminars and community outreach programs, fostering spiritual growth and unity.

TRAININGS AND CERTIFICATES

- **Radio Frequency Network Installation & Maintenance Telecommunication** - City & Guilds Assured - 2024
- **Fifth Generation (5G) Mobile Telecommunication Virtual Network, Planning and Optimization** - CRI 4.0, UM - 2024
- **Radio Frequency Mobile Network Telecommunication** – MASET - 2024
- **Certificate Excel Database and Power BI Training** - 2024
- **Qualcomm 5G Introductory-Level Certification** - 2024
- **Cloud Computing & AI Certification** – 2024
- **Halal Awareness Training** based on MS1500:2009 and MPPHM (Domestic) 2020
- **OSHE (Occupational Safety, Health, and Environment) for Engineering Industry and Laboratory**
- **Safety and Health Officer Introductory Course**
- **Competent driver with licenses of D**

REFERENCES

En. Mohamad Hafizul bin Norzalizan (hafizul@tec.edu.my), Senior Trainer Executive Telecommunication Engineering College (TEC) / +6019-4537421

Dr. Lai Jau Choy (jlai@utm.my), Senior Lecturer of Bioprocess and Polymer Engineering, School of Chemical and Engineering Universiti Teknologi Malaysia / +6019-7579767