

# ARBAIE BINTI AHMAD FAIZIL YAP

+6013-9565843 | Kuantan, Pahang | [arbaie199work@gmail.com](mailto:arbaie199work@gmail.com) |  
<https://www.linkedin.com/in/arbaie-yap-863592209>



A recent graduate with high honors for chemical engineering skills throughout college seeking for an entry-level position within the organization. Passionate in **project management, procurement, engineering economics, supply chain, Health, safety and Environment (HSE), and quality assurance**. An active member of Universiti Teknologi MARA (UiTM) Cawangan Pulau Pinang that highly capable of leading team members, proven by the achievement of **Gold Medal and High Prestige Innovation Awards** for VAIS 2022.

## EDUCATION

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<b>Universiti Teknologi MARA</b>   Bachelor of Chemical Engineering (Environment) with Honours <b>JPA scholarship</b> recipient <b>First-Class Graduate</b> CGPA: 3.50/4.00 <b>Dean's List Award</b> for Semester 1   GPA: 3.71, Semester 4   GPA: 3.86, and Semester 8   GPA: 3.84 Final Year Project: Production of 180,000 MTPA of Isopropyl Alcohol via Direct Hydration of Propylene <ul style="list-style-type: none"><li>Developed process flow diagram (PFD) of Isopropyl Alcohol Plant using process simulation according to heat and mass balance.</li></ul> Design Project: Removal of Microplastic in Coagulation-Flocculation using Polyglutamic Acid (PGA) <ul style="list-style-type: none"><li>Accomplished the objective to remove microplastics using jar test procedures, proven by simulation using MATLAB software.</li></ul>	2018-2022
<b>Pahang Matriculation College</b>   Modul 1 Science MUET Band 4 CGPA: 3.49	2017-2018
<b>MRSM Kuantan</b>   Pure Science Student Sijil Pelajaran Malaysia, SPM: 6A3B	2012-2016

## WORK EXPERIENCES

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<b>Process Engineer Intern</b> Petronas Technical Service Sdn Bhd   Kerteh, Terengganu <ul style="list-style-type: none"><li>Practiced good performance during Turnaround by following the applicable codes, practices, and safety.</li><li>Exposed to learn and read <b>P&amp;ID, Process and Equipment Isolation/ De-isolation</b> and <b>model 3D</b> to give better understanding when entering the site.</li><li>Gain knowledge on how to do <b>markup on P&amp;ID</b> according to loop and line number.</li><li>Provide <b>process equipment cleaning services</b> throughout chemical cleaning work.</li><li>Learned the workflow to <b>prepare the detail of engineering design, procurement, construction and testing, installation, pre-commissioning, and commissioning</b> to ensure smooth project execution.</li><li>Given exposure on preparing and compiling final <b>documentation</b> for <b>QA/QC</b>.</li><li>Learned about <b>Lean Six Sigma</b> and its application towards improving business processes.</li><li>Committed in participating <b>safety briefing</b> from HSE Department to ensure better safety practices when entering the site and minimize the likelihood of injuries or damages.</li></ul>	August-November 2021
<b>Business Owner</b> Youglow.co   Kuantan, Pahang <ul style="list-style-type: none"><li>Responsible of handling skincare products business for more than <b>4 brands</b> and maintained the highest sales record of <b>13K++</b> for <b>three months</b>.</li><li>Awarded the <b>1<sup>st</sup> Prize Winner</b> in entrepreneurship program held by Chemical Engineering Student Society.</li></ul>	March 2020 – January 2021
<b>Quality Inspector</b> Swan Heritage HQ   Kuantan, Pahang <ul style="list-style-type: none"><li>Interacted with the customers regarding quality issues of the product and developed action plans to resolve the issues.</li><li>Review the quality of the products to meet the specifications provided.</li></ul>	March 2021

## AWARDS & ACHIEVEMENT

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### 2022 | Virtual Asia Innovation Show (VAIS)

- A program that invites professionals and students to create a cost-effective and practical solution to the community.
- Recognized as **High Prestige Innovation Awards** and awarded a **Gold Medal** for inventing Olivetin, a nutritious supplement containing 'Buah Tin' and 'Buah Zaitun'.

### 2022 | Science Invention, Innovation & Competition (SIIC)

- A competition organized to acknowledge the student's talent in invention and innovation.
- Awarded a **Silver Medal** for achievement in writing thesis entitled Removal of Microplastics in coagulation-flocculation using Polyglutamic Acid (PGA).

### 2020 | In-Joint Academic Symposium at Universitas Indonesia

- This program was collaborated by UiTM and UI to brought together both faculties and students to showcase excellent research that includes posters and oral presentations.
- Awarded as **Gold Prize Winner** for best presenter category.

### 2018 | Program Latihan Keusahawanan Mahasiswa Zon Utara

- Awarded as **Gold Prize Winner** and selected to participate in national final competition.

## CO-CURRICULUM ACTIVITIES

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### 2020 | International Academic and Science Exploration Program (I-ASEP) at Universitas Indonesia

- Collaboration of Faculty of Chemical Engineering from UiTM and UI to provide the students and educators with transformational learning experiences.
- Able to gain first-hand experience of Indonesia different styles of education and broaden knowledge.
- Getting immersed in Indonesia local culture while improving capabilities of thinking out of box.

### 2019 | Pertandingan Akhir Peringkat Nasional Program Keusahawanan Mahasiswa (PLKM)

- Entrepreneurship competition organized by 'Akademi PKS & Pembangunan Keusahawanan Malaysia (MASMED).
- Understand product development cycle, arise with unique business proposal, and delivered pitch presentations.

## VOLUNTEER ACTIVITIES

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### 2019 | Jalinan Ihsan with Collaboration of UiTM and PEKA

- Approached PEKA and managed to get fund for the program for **100++** school students.
- Cooperated with the team members to plan and manage activities for the students.

### 2019 | Sinergi Pemindahan Ilmu (SPIL)

- Volunteering program organized by Chemical Engineering Student Society that was held at SK Sungai Taka.
- Played a hands-on role in supporting important community projects such as cleaning, painting and doing mural.
- Volunteered to do bee breeding project to produce Kelulut Honey at the school area to help the school society to gain funds for school development in the future.

## SKILLS

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### Advanced:

- Speaking and writing in Malay
- Speaking and writing in English
- Microsoft Office

### Intermediate:

- AutoCAD
- Aspen HYSIS & PLUS V10
- MATLAB

## REFERENCES

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Ts. Mohamed Syazwan bin Osman (FYP Supervisor & Senior Lecturer)  
+6013-2022645 | syazwan.osman@uitm.edu.my