



A young and dedicated person. Has a good personality, self-motivated, and hard-working individual. Love challenges and willing to learn new skills and knowledge. Able to work as a team effectively and also become a good leader whenever to do so. Lastly, willing to accept criticize and easily adapt in a new environment.



PERSONAL DETAILS

Name Mohd Arief Fahmi Bin Azizan

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LANGUAGES

Bahasa Malaysia ★★★★★

English ★★★★★



COMPUTER SKILLS

Microsoft Office ★★★★★

AutoCAD ★★★★★

HYSYS ★★★★★

MATLAB ★★★★★

iCON ★★★★★



EDUCATION

BACHELOR OF ENGINEERING (HONS) CHEMICAL Universiti Teknologi MARA (UiTM) - 2012-2016

Achievement:

- CGPA : 3.17/4.00
- The treasurer of Energy Institute Student Club (EISC) UiTM Shah Alam.
- Member of Chemical Engineering Students Society (ChESS) UiTM Shah Alam.
- Involved in organizing the activities under EISC such as industrial visits to MMHE and Petronas Gas Berhad at Pasir Gudang.
- Leader of integrated project on title of the production of ammonia and the production of methanol.

MATRICULATION IN BIOLOGICAL SCIENCE Kolej Matrikulasi Kedah (KMK) - 2011-2012

Achievement:

- CGPA : 3.85/4.00.
- Taking part in Chemistry Amaze Experiment.

SIJIL PELAJARAN MALAYSIA (SPM) Sekolah Menengah Kebangsaan Syed Ibrahim (SMKSI) - 2010

Achievement:

- Grade : 2 A+, 2 A, 1 A-, 3 B, 2 C+
- Prefect of school and hostel.
- President of the Petanque Club.
- Committee member of the School Scout.
- Committee member of Travel and Tourism Club.



EXPERIENCE RELATING COURSE WORK

Industrial Training, (MHZ Engineering & Services) Seri Kembangan Selangor (13/7/2015-18/9/2015)

- Undergoes an internship at Consultation Company that has more than 30 years combined experience in the water, wastewater and project management.
- The active involvement in the company project during the internship give an extra knowledge about the project management.
- The first task is to calculate the total phosphorus in Taman Tasik Shah Alam by using "Total Phosphorus Modelling Equation".
- The same method also done for Taman Tasik around Kelana Jaya such as Tasik Taman Aman, Tasik Taman Bandaran Kelana Jaya, Tasik Taman Jaya, Taman Tasik Komuniti Kelana Jaya, dan Tasik PJs 10.
- Involved in the project of wastewater treatment at Kompleks Abatoir Shah Alam that using the secondary treatment system.
- The system is used to treat water from the slaughter process before being discharged to water resources.

- The last task is taking part in the project to build the sanitary landfill in Bukit Payong, Johor.
- The activities that have done in this task such as forecasting the population and predicting the volume of waste generated.
- Besides, the prediction of leachate production by using the water balance method and propose the environmental management plan for the construction of sanitary landfill.

Final Year Project – Design Project

Fakulti Kejuruteraan Kimia, UiTM Shah Alam, (2015-2016)

Title : The Production of 70 000 Tonnes of Phthalic Anhydride Per Year

- Prepare a proposal that contains the production rate, the selected chemical process, and the selected site location for the production of Phthalic Anhydride plant.
- In the proposal also include process background (i.e. chemistry, kinetics and thermodynamic data) and perform the market analysis (i.e. break even analysis, supply and demand data).
- The detailed mass and energy balance was performed and process simulation for overall chemical plant was done by using HYSYS.
- The detailed equipment design for distillation column that use in the process is performed.
- The heat integration analysis was performed to reduce the utilization of energy and costing.
- Then, the piping and instrumentation diagram (P&ID) is prepared.
- The environmental risk assessment are prepared and the waste management for the plant are designed such as wastewater treatment plant.
- The detailed report on process safety and environmental such as safety regulation are provided.
- The risk assessments such as HIRARC and HAZOP are prepared.
- The plant layout is drawn by using SketchUp.

Final Year Project – Research Project

Fakulti Kejuruteraan Kimia, UiTM Shah Alam, (2015-2016)

Title: Study on Characterization of Leachate from Intermediate Age of Landfill

- The focus of this research is the quality of the leachate at landfill to prevent the nearest water resources be polluted.
- The study involve the identification of properties of leachate according water quality properties such as COD, color, pH and heavy metals.
- The comparison of properties of leachate with standard properties as stated by the Department of Environment Malaysia (DOE) are made to decide whether the leachate was suitable to discharge and produce no environmental impact.
- To study the properties of leachate, there are two instrumentation equipment are used which is Atomic Absorption Spectrophotometer (AAS) and Hach DR 2400 Spectrophotometer.
- The Atomic Absorption Spectrophotometer (AAS) and Hach DR 2400 Spectrophotometer was used to identify heavy metals and other properties (i.e. COD, color, etc.) respectively.



ACTIVITIES & INTERESTS

- Able to work in groups and individually.
- Able to perform multi tasks.
- Enjoy to travel outstation work site.
- Enjoy playing badminton and lawn bowl.



EXTRA CERTIFICATE

1. Certificate holder of attending “Safety and Health Officer Program” organized by NIOSH.
2. Certificate holder of e-learning courses on Safety, Health and Environmental organized with collaboration between IHRDC and CIDB.

The courses are listed below:

Fire safety, electrical safety, fall protection, safety orientation, confined space entry, chemical health hazards, personal protection equipment, and environmental protection.



REFERENCES

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