MUHAMAD HISYAMUDDIN BIN MAZLAN
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Selandar 77500, Jasin,
Melaka.
Phone no: 0177003387 / 06-5252816
Email : syam@urbanenviroindustries.com
Bachelor of Science (Industrial Chemistry)
Universiti Teknologi Malaysia.

PERSONAL PARTICULARS

Age	: 24	Nationality/Religion	: Malaysian/Islam
Date of Birth	: September, 9th 1989	Spoken / Writing	: Bahasa Malaysia (fluent), English (average)
Marital status	: Married		
Gender	: Male	License	: B2, D

EDUCATIONAL BACKGROUND

2007 - 2012	: Universiti Teknologi Malaysia, Skudai, Johor **Bachelor of Science (Industrial Chemistry)** **Second Class Lower**
2005-2006	: MRSM Terendak **SPM: 7A's 3B's**
2002-2004	: Sek. Men. Keb. Tinggi Melaka **PMR: 6A's 3B's**

SKILLS AND STRENGHTS

Personality

- Willingness to learn new things and to give full commitment in work
- Able to work as a team as well as individually
- Professional demeanors
- Trustworthy

Skills

- Able to use with Windows and Microsoft Office
- Able to use CHEM DRAW software
- Able to interpret results from instruments such as Fourier Transform Infrared (FTIR) Spectrometer, High Performance Liquid Chromatography (HPLC), Ultraviolet (UV) Spectroscopy, Atomic Adsorption Spectrometer (AAS), Thermal Gravimetric Analysis (TGA), Field Emission Scanning Electron Microscopy (FESEM) and X-ray Diffraction (XRD).

PERSONAL ACTIVITIES

Leadership

- Homeroom Leader 05-06 (MRSM Terendak)
- Prefect in Primary and Secondary schools

Association/Club

- Rugby Club UTM
- Pengakap Laut Malaysia MRSM
- Pengakap Malaysia (Primary School)

Professional Activities	• Kursus Bina Negara Mahasiswa (ASAS) : Under Universiti Teknologi Malaysia • Kursus Kepimpinan
Outdoor Activities	• Kem Pengakap Laut MRSM Se-Malaysia • Rugby, Volleyball, Hockey, Football (Sekolah, Daerah)

WORKING EXPERIENCES

Place : **Petronas Penapisan Melaka Sdn Bhd (PPMSB)**
Position : **Laboratory Trainee (Intern 2009)**
Job Descriptions

- Performed RSH-Standard test method for sulfur in petroleum.
- Performed LPG/RGA analysis test using Gas Chromatography.
- HACH test for silica, sulfide, iron and other metal in water to determine scaling or pipeline corrosion.
- Determined the boiling range characteristic of product in atmospheric pressure.
- Usind Coulometric Karl Fisher Titration method to determine water content in petroleum products.
- Performed flash point test, boiling range test and smoke test.
- Test for Research Octane Number (RON) for spark ignition engine fuel.
- Prepare a report regarding every experiment that I learn.

Place : **Urban Environmental Industries Sdn Bhd**
Position : **Chemist, QA/QC (2012-present)**
Job Descriptions

- Sent to Dumai, Indonesia for Tank Cleaning Project in Chevron Pacific Indonesia, Dumai (CHEVRON PTE LTD)
- Performed test on crude oil, BS&W test, water test, chemical test
- Performed water treatment & chemical treatment on crude oil and sludge
- Determine composition and treatment for lubricant oil, waste water, paint
- Collaborate with Department of Environmental (Kuantan) in terms of documentation waste code and certificate on waste collected.
- Recovery and treatment for Schedule Waste (SW 409, SW 305, SW 30 6, SW 307)
- Performed test for fuel oil made up from base oil.
- In charge and supervise activities to be done by workers in Gebeng, Pahang.
- Quality check on all raw material and finish product.
- Record and documentation all progress report and quality control findings.
- Practical knowledge on OSHA, EIA, HIRAC, ISO and other industry regulation.

Final Year Project : Ion Exchange Properties of Zeolite Prepared From Coal Fly Ash

Discription : This project was about conversion of zeolite from coal fly ash as an important application in waste management and environmental protection. From a coal fly ash that no value, this method can add value to the product as such it depends on techniques of synthesis to produce different type of zeolite. In this project the sample of zeolite were mixes with zinc ion solution to determine the ion exchange process. By using AAS, it showed that the cation exchange capacity (CEC) of zeolite with zinc ion within 30 minutes time almost take up all zinc ion in the solution with the percentage of exchange, 97.1%. Other heavy metal also can exchange with zeolite which showed the usage of this zeolite in waste water treatment or industrial water treatment.

CAREER MISSION

To learn and grasp all experience that required to achieve higher goal.
Seeking a challenging chemical engineer/process engineer in a chemical field that offers extensive contact with the public.

REFEREES

Available upon request

Current Salary: RM 2500
Expected Salary: RM 2800- RM 3000