

# **CURRICULUM VITAE**

## **ILLIYYIN FAIZAH BINTI SHAHRUL FAIZ**



### **PERSONAL DATA**

**Address** : No.1, Jalan Seri Putra 9/1, Bandar Seri Putra, 43000 Kajang, Selangor  
**Email** : illiyyin\_suigeneris@hotmail.com  
**IC No** : 880124-83-5068  
**Mobile No** : +60133406786  
**Nationality** : Malaysia  
**Language** : English and Bahasa Malaysia  
**Qualification** : Master in Science in Environmental and Energy Engineering,  
Bachelor Degree in Chemical Engineering

### **CAREER**

**July 2013 - November 2016: Kapar Energy Ventures SDN. BHD.**  
**Executive (Environment)**

#### **Main areas of responsibilities:**

1. Environment executive has the main responsibility of ensuring all environmental monitoring namely air quality monitoring, air emission monitoring, effluent discharges and noise monitoring are in compliance with the legal requirements.
2. To check all environmental monitoring equipment and system are in working condition and providing reliable data.
3. To ensure that the assigned duties of lab technicians are been carried out in proper and correct manner.
4. To ensure all manpower scheduling for PM and CM works carried out accordingly as per plan.
5. To plan and handle all documents related to ISO14001 and engage in station environmental audit (internal and external).
6. To ensure station carry out activities in compliance with:
  - a. Environmental Quality Act 1974
  - b. Department of Environment (DOE) Written Approvals
  - c. ISO Integrated Management System (IMS) specializing in Environmental Management System ISO 14001.

### **Key activities of responsibilities:**

1. To submit environmental reports to DOE and relevant regulatory bodies through online report and hardcopy reports on monthly, quarterly and yearly basis.
2. To fully understand station's IMS Policy and objectives, and play an effective role in implementing the Station's ISO 14001, ISO 19001, OHSAS 18001, ISO 27001.
3. To actively engage on the updates and completions of ISO14001 documents and non-conformance reports.
4. To actively participate on the SIRIM and relevant auditing bodies audit in the stations.
5. To raise, monitor and update on ISO14001 non-conformance report for any environmental conditions that are not in compliance with the legal requirement and ISO14001.
6. To maintain good liaison with DOE and related external parties.
7. To ensure that all the environmental report data from lab technicians and accredited third party labs are accurate, reliable, and delivered on time.
8. To ensure the availability of continuous emission monitoring system connection from the station to DOE.
9. To assist chemical department on the calibrations and service records (by internal or external party) for all environmental analysers are maintained and updated.
10. To provide information of any defective environmental monitoring equipment.
11. To ensure availability of oil spill kits in the station.
12. To do tendering process for section's environment contract works and environment projects.
13. Assist in preparation of section's capital and operating expenditure budget.

### **EDUCATION**

#### **2011- 2012: University of Sheffield, UK – MSc Environmental and Energy Engineering**

Relevant Materials:

- Low Carbon Energy Science and Technology,
- Introduction to Fuels and Energy
- Environment: Gaseous Emissions,
- Environment: Particulate Emissions,
- Environment: Liquid Effluents,
- Energy from Biomass and Waste,
- Research Methods in Environmental and Energy Engineering.

#### **2009-2011: University of Sheffield, UK – BEng in Chemical Engineering**

Relevant Materials:

- Core modules include Chemical Engineering Design,
- Advanced Chemical Engineering,
- Process Dynamics & Control,
- Oil & Gas Utilisation,
- Transport and Separation Processes,
- Engineering Management and Economics,
- Research Method in Chemical Engineering.

#### **2008-2009: University Kuala Lumpur, (UniKL- MICET) Malaysia – 1<sup>st</sup> Year Chemical Engineering Twinning programme UniKL (Mas) – University of Sheffield (UK)**

Result: First class

#### **2006-2008: Kolej Mara Seremban, (KMS) – Cambridge International A-Level**

Result: GCE 11

#### **2004-2005: Sekolah Berasrama Penuh Integrasi Gombak (SBPI Gombak)**

Qualification: Malaysia Certificate of Education (SPM)

Result: 9As

## **RELEVANT RESEARCH PROJECT**

### **Monitoring and Characterising Particulate Matter in Atmosphere (2011-2012)**

- Individual research project in monitoring and characterising atmospheric particulate matter (PM) in Malaysia and compare it to the United Kingdom atmospheric particulate matter.
- Analysed the trend of PM10 and PM2.5 in Malaysia and UK from year 2000 to 2010 and make comparisons between the two countries.
- Analysed the trend of PM10 monthly mean concentration for the whole of Malaysia for 15 selected major cities in Malaysia from year 2005 to 2010.
- Made recommendations and improvements of methods and technologies in monitoring the air quality in Malaysia based on the better implementations and technologies conducted in developed country.

### **Proposal for a Vinyl Chloride Monomer (VCM) Production Plant in Australia (2010-2011)**

- A 3<sup>rd</sup> year group project to design a real VCM plant in Australia with aim to produce 140,000 tonnes of VCM per year and consideration of the environmental issues associated with the production of VCM.
- In this project, my task was to find the best location for the plant around the world in terms of availability, cost, transportations, environment and geology. Also I conducted the energy balance calculations for the overall process in the plant and the preliminary design on scrubber and decanter.
- Later for the 3<sup>rd</sup> year individual design project I designed the scrubber, condenser and decanter in detail as well as the technique to treat the various hazardous waste produced by the plant.

## **AWARD AND ACHIEVEMENTS**

- Certificate of attendance: ISO14001:2015 EMS Lead auditor Course 2016
- Zero NCR in SIRIM ISO14001 audit from 2014 – 2016
- Certificate of attendance: Seminar Pemuatan Peraturan-Peraturan Kualiti Alam Sekeliling (Buangan Terjadual) 2005 dan Pemuatan Kendiri/Guided Self-Regulation (GSR)
- Certificate of completion: Integrated Management Systems ISO 9001, ISO14001, OHSAS 18001 & ISO 27001
- Certificate of completion: ISO 9001:2008 Pemahaman & Pelaksanaan
- Certificate of completion: ISO 9001:2015 Transition Workshop
- Certificate of attendance: Seminar Pengurusan Buangan Terjadual 2014
- Certificate of attendance: Seminar Peraturan-Peraturan Kualiti Alam Sekeliling (Udara Bersih) 2014
- Certificate of completion: ISO14001:2004 Environmental Aspects and Impacts
- Certificate of completion: Introduction ISO 14001:2004
- Certificate of completion: ISO 14001:2004 Environmental Regulations
- The University of Sheffield Scholarship 2010
- Full Three-Year Government Scholarship for Bachelor Degree (Majlis Amanah Rakyat)
- Competed in chess tournament and obtain 3<sup>rd</sup> place for women team 2005
- Achieved merit in International Physic Malaysia Competition 2005

## **EXTRACURRICULAR AND SOCIAL ACTIVITIES**

- Volunteer for Majlis Hari Raya KEV 2014 – 2016
- Volunteer for Majlis Iftar Perdana KEV 2015
- Site Visit to Drax Power Station, UK 2012
- Secretary and volunteer for Malaysian Sheffield Games 2011
- School librarian from 2003-2005

### **TECHNICAL ENGINEERING SKILLS**

**Design Software** : Pro/II, Microsoft Office Visio, AutoCAD, Maximo

**Application Software:** Microsoft Office - Word, Excel, Power Point Presentations

### **REFERENCE**

Available upon request