



MOHAMAD HANIFF BIN ZAKARIA | 920606-06-5119



Work effectively in precision to be trusted and innovative to simplify processes and engineering work. Highly committed to work in a safe environment

+6 016 3976753 | haniff.zakaria92@gmail.com

||| EDUCATION

[2011 - 2015] - Bachelor of Chemical Engineering (Pure) | **Universiti Malaysia Pahang (UMP) | 3.02**
[2010 - 2011] - Physical Science Matriculation | **Kolej Matrikulasi Pahang (KMPh) | 3.63**
[2008 - 2009] - Physical Science (SPM) | **SMK Tg. Panglima Perang Tg. Muhammad | 7A 3B (SPM)**



||| CERTIFICATION

Construction Industry Development Board (CIDB) Green Card | 2016
Process Plant Safety & Health (**Safety Officer**) Course | 2016



||| RESEARCH EXPERIENCE

Final Year Project :

Effect of Particle Size and Moisture Content toward Combustion Properties of Sub Bituminous Coal (TANITO)

To study the effect of particle size of sub-bituminous coal and the effect of moisture content towards calorific value of sub-bituminous coal (TANITO)

Plant Design :

Production of 35000 MTA of Propylene Oxide Using HPPO Process

Able to develop plant theoretically according to chemical engineering concept from raw material to final product with high purity of Propylene Oxide



||| SPECIAL COURSE

Process Plant Safety and Health (Safety and Health Officer Course) | Nov 2015 – July 2016

- Duration : 3 November 2015 - 13 July 2016
- Institute : Pahang Skills Development Centre (Pahang Skills)
- Instructor : Petro Safety Training and Consultancy (PSTC)

Modules :

- Module 1 (OSH Management)
- Module 2 (OSH Legislation)
- Module 3 (Occupational Safety)
- Module 4 (Occupational Health)

Other Modules :

- Industrial First Aid
- Emergency Response and Planning
- Confine Space Entry and Rescue
- Basic Fire Fighting Training
- Schedule Waste Management System
- Chemical HAZOP and Hazard

||| WORKING EXPERIENCE

Rakannusa Corporation (M) Sdn Bhd

June – Sept 2014 | Industrial Trainee | Manufacturing

- Assist Chemical Engineer in conducting inspection on product (ceramic ball and high alumina ball)
- Collect and record the data in the report.
- Learn about characteristic, specification of catalyst according to the type of the process.

Amalgamated Metal Corporation (M) Sdn Bhd

March - July 2016 | HSE Assistant Trainee | Fabrication

- Carry out daily surveillance at work place to ensure safe work practices are followed according to OSH Regulation 1994 .
- Assist Health & Safety Officer in audit process, training, event to maintain safety awareness among employer and employee.
- Conduct toolbox meeting to worker prior to start work .
- Perform Job Safety Analysis (JSA) and Hazard Identification Risk Assessment and Risk Control (HIRARC) if there any new activities carried out in the workplace.
- Identify, investigate and report any incident or accident that occur in the workplace.
- Perform fire extinguisher and first aid box monthly inspection.
- Perform disposal of schedule waste every 6 month to comply the environmental quality act 1974.

Procurement Work

- Prepare the Quotation, Tax Invoices and Purchase/Service Order to client.
- Prepare Project Budget and keep in expenses cost in ETQM system.
- Dealing with client regarding the price rental and terms or responsibility matrix (Mobile Crane, Multi axle, Low Loader, Lorry and Skylift).
- Prepare document of transport details and personnel details for every project.
- Prepare travelling forms, allowances, and claims for outstation personnel.
- Prepared and update maintenance report of transport.
- Perform the collection of deposit payment and outstanding payment from client.



Engineering Work

- Done a Site Visit or Route Survey for mobilization of oversized cargo .
- Prepare General Arrangement (GA) drawing, job method statement, and calculation of stability or safety factor of multi axle and crane..
- Explain or discuss with client on operation planning of mobile crane and multi axle.
- Communicate with client if there is breakdown on our crane or multi axle during the period of rental.
- Prepare lifting plan for crane operation.
- Perform job schedule for multi axle and mobile crane operation.



Safety Supervisor Work

- Prepare Job Safety Analysis and HIRARC for operation of mobile crane and multi axle.
- Investigate and make a report for any incident or accident that occur at the workplace.
- Inspect the workplace to make sure that any unsafe act and unsafe condition can be prevented.
- Make sure the all document for operator and supervisor such as OGSP, green card, medical check up, PMA are updated before start work at the site.
- Inspect mobile crane, truck, lorry and multi axle regularly to make sure all in good condition.
- Conduct lashing and lifting equipment inspection before delivery of product to ensure the product safely arrived to client.
- Conduct toolbox meeting and safety induction prior to start work.
- Perform forklift training and other training related to heavy lifting and heavy transport.



**SAFETY
FIRST**

||| POSITION HELD, EXTRA CURRICULAR ACTIVITIES & AWARDS

Description	Year achieved	Details
Award Dean List Semester 8	2015	Dean List
I-CHEME Talk	2013	Logistics Committee
CHEM E-CAR Competition - (CHEST Club)	2013	Multimedia Committee
PRECOMP Competition - (Intelligentsia Club)	2013	Multimedia Committee
English, Science and Mathematics (E-MAS)	2012	Logistics committee
Karnival Sains Dan Matematik' - (KMPh)	2011	Participant
Invention Club	2009	Treasurer
Formula One In School Peringkat Kebangsaan	2008	Participant
Dikir Barat Competition (Kuantan District)	2008	Champion

||| LIST OF PROJECT EXPERIENCES

INTERNAL WORK (ASTURI METAL BUILDERS)

- P-721 MALAYSIA MARINE HEAVY ENGINEERING
Item : Supply Of Launcher & Receiver For F12 Development Project
Scope : Transportation
- P-709 SAPURA KENCHANA HL
Item : Supply Of Pressure Vessel For BNT Project
Scope : Transportation
- P-718 PETRONAS CARI GALI SDN BHD
Item : Supply Of Condensate Degasser Tangga Barat Project
Scope : Transportation
- P-683 SARAWAK SHELL SDN BHD
Item : Supply Of (2) Units Of Thick Pressure Vessel For E6 Field Development Project
Scope : Transportation
- P-719 DAYANG ENTERPRISE SDN BHD
Item : Supply Launcher And Receiver
Scope : Transportation
- P-712 PUNJ LLYOD LTD
Item : Supply Of Kerosene & Pygasoil Shell And Tube Heat
Scope : Transportation
- P-714 BASF PETRONAS CHEMICAL MTBE SDN BHD
Item : Supply 1 Unit V-2401-E01 Shell Tube Heat Exchanger
Scope : Transportation
- P-729 BASF PETRONAS CHEMICAL MTBE SDN BHD
Item : Supply Of Gasket
Scope : Transportation

EXTERNAL WORK

1. Transport 13 Units Cargo Structure from ECO Tower Sdn Bhd , Gebeng to Kuantan Port.
 - Client : ECO Tower Sdn Bhd
 - Dimension per unit : -
Length : 23.96 m
Width : 8.00 m
Height : 13.00 m
Weight : 130 tons
2. Transport 8 Units Tubular Pipe from EEW Malaysia Sdn Bhd, P. Gudang to Pasir Gudang Port.
 - Client : Liberty Shipping Sdn Bhd
 - Dimension per unit : -
Length : 83.50 m
Width : 1.829 m
Height : 1.929 m
Weight : 291 tons
3. Transport 4 Units Upper Leg from EEW Malaysia Sdn Bhd, P. Gudang to Pasir Gudang Port.
 - Client : Liberty Shipping Sdn Bhd
 - Dimension per unit : -
Length : 66.00 m
Width : 7.800 m
Height : 7.500 m
Weight : 630 tons

||| ADDITIONAL INFORMATION

- Willing To Travel : Yes
- Possess Own Transport : Yes (Motorcycle)
- Willing To Relocate : Yes
- Driving License : Yes (B2 and D)

||| SOFTWARE SKILLS

- MS Excel
- Auto CAD
- MS Visio
- Aspen Plus
- Aspen Hysys
- Matlab
- Polymath

||| REFERENCE

Ir. Arman Bin Abdullah
Academic Advisor,
Faculty of Chemical Engineering &
Natural Resources,
Universiti Malaysia Pahang.
Office : 09 – 424 5000
Hp : 019 – 2624316

Mr. Yogarajan
Safety & Health Officer,
Amalgamated Metal Corporation (M) SDN. BHD.
Office : 09 – 585 8888
Hp : 012 – 9210510

Muaz Dahari
General Manager,
Asturi Truck and Crane,
Office : 09 – 583 3888
Hp : 019 – 9852298