



NUR SAKINAH MD JAIS
BACHELOR OF ENGINEERING (Hons) CHEMICAL AND
PROCESS
UNIVERSITI TEKNOLOGI MARA (UiTM)



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AVAILABILITY: IMMEDIATE

PERSONAL DETAIL:

- **NRIC** : 920920-04-5394
- **Nationality** : Malaysia
- **Status** : Single
- **License** : B2, D

EDUCATION BACKGROUND:

- Universiti Teknologi MARA (UiTM), Shah Alam, Selangor (2014 – 2017)
Bachelor of Engineering (Hons) Chemical and Process
Second Class Lower
CGPA: 2.77
- Universiti Teknologi MARA (UiTM), Dungun, Terengganu (2010 – 2013)
Diploma of Chemical Engineering
CGPA: 2.63

FINAL YEAR PROJECT:

- **Effect of inlet temperature and flow rate toward produce 2% carboxymetyl cellulose (CMC) spray dried powder (Degree, Research Project)**
Identifying suitable temperature and flow rate of spray dried for maximum powder recovery. The study was scale up to pilot plant scale by using suitable temperature obtain previous laboratory. The powders were analyzed based on physical condition.
- **Production of 100,000 metric tons of Para-xylene (Degree, Design Project)**
Carry out feasibility study and conceptual design of Para-Xylene production plant with respect to safety, economic potential, operation, and less adverse effect toward public's health and environment. Responsible on process selection, mass balance, heat integration (pinch technology) and design equipment (heat exchanger: shell and tube)
- **Removal of chemical oxygen demand (COD) from batik wastewater using *Casuarina* seed as a media for biofilm process (Diploma, Research Project)**
Investigation of the effect of the hydraulic retention time (HRT) and pH on the performance biofilm reactor using *Casuarina* seed as a media to reduce the COD from batik wastewater using biofilm process

INDUSTRIAL EXPOSURE:

- **Company Name:** Jati Beringin Sdn. Bhd. (JBSB)
- **Address** : Lot 9518 – F, Jalan PBR 19, Kawasan Perindustrian Bukit Rambai, Fasa 3, 75250 Melaka.
- **Position** : Production Trainee / Internship
- **Duration** : July 2016 – September 2016 (10 weeks)

- Responsibilities: Monitoring and record output of galvanizing and concentration of pickling solution.
- Project :
 - Identified suitable measurement of pickling solution.
 - Identified solution to maintain the concentration of pickling solution. The solution was adding degreasing process before pickling process. Propose of degreasing solution is to remove oil and dirt on the material before entering pickling process.
- Achievement :
 - Exposed to variety of safety and health procedure, work environment at the workplace and apply the learning theory to workplace.

SKILLS:

- Language : English (MUET: Band 3)
- Software : MATLAB, ASPEN HYSYS, AutoCAD, Microsoft programs, video editor

RELEVANT COURSEWORKS:

- Engineering:

▪ Thermodynamics	▪ Plant Design and Process Stimulation	▪ Air Pollution Engineering
▪ Process Chemistry	▪ Process Safety	▪ Wastewater Engineering
▪ Material and Energy Balance	▪ Process Control	▪ Environmental Impact Assessment
▪ Fluid Mechanic	▪ Mechanical Design of Equipment	▪ Environmental Management System
▪ Process Unit Operation	▪ Project Management	
▪ Transport Phenomena	▪ Solid Waste Management	
▪ Particle Technology		
- Safety and Health:

▪ Occupational Safety and Health Management (Module 1)	▪ Confine Space Entry and Rescue (CSER)
▪ Occupational Safety and Health Legislation (Module 2)	▪ Chemical Hazop & Hazard (HAZOP)
▪ Occupational Health (Module 3)	▪ Hazard Identification Risk Assessment and Risk Control (HIRARC)
▪ Occupational Safety (Module 4)	▪ Professional Technical Writing and Reporting (PTWP)
▪ Industrial First Aid (IFA)	▪ Workplace Assignment Paper 4
▪ Basic Fire Fighting Training (BFF)	

REFERENCE:

PUAN SYAFIZA BINTI ABD HASHIB

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Chemical Engineering
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