



WAN NORIZZATI BINTI WAN MAHMOOD
BACHELOR OF ENGINEERING (HONS) CHEMICAL AND BIOPROCESS
Universiti Teknologi Mara (UiTM)



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PERSONAL PROFILES

Date of Birth : 17 Jun 1994
NRIC : 940617-03-5722
Nationality : Malaysian
Religion : Islam

PERSONAL SKILLS

Computer and Engineering Relevant Software Skills

- AUTOCAD
 - SuperPro Designer
 - MATLAB
 - Microsoft Office Word
- Microsoft Word, Microsoft Excel,
Microsoft Power Point, Microsoft Publisher

FINAL YEAR PROJECTS

RESEARCH PROJECT

RHEOLOGICAL BEHAVIOUR OF LIQUID FUEL EMULSION USING FOOD WASTE

In order to produce the liquid fuel emulsion, the biochar of coconut pulp has been mixed with glycerol and water. The rheological behaviour of the emulsion is studied by analysing its viscosity and shear rate. The emulsion has been classified as thixotropic fluid.

DESIGN PROJECT

DESIGN OF DISTILLATION COLUMN FOR PRODUCTION OF 50 000 METRIC TONS OF SUCCINIC ACID PER YEAR

The equipment used to separate succinic acid, pyruvate acid, malic acid, acetic acid and water in that production process.

The design comes with 11 trays, 8.6 m of height and 1.205 m of diameter.

EDUCATIONAL BACKGROUND

2013-2017 Bachelor of Engineering (Hons) Chemical and Bioprocess
Universiti Teknologi MARA
CGPA 2.90 / 4.00
2012-2013 Biological Science (Module 3)
Kedah Matriculation College
CGPA 3.24
2010-2011 Science
Sekolah Menengah Zainab 1
Sijil Pelajaran Malaysia (SPM) : 4A's, 2B, 3C+'s

INDUSTRIAL EXPOSURE



AIR KELANTAN SDN.BHD (AKSB)

Tingkat 5, Bangunan Perbadanan Menteri Besar Kelantan
Lot 2 & 257, Jalan Kuala Krai, 15050 Kota Bharu, Kelantan

Attachment : Water Quality Department at Pintu Geng Water Treatment Plant

Duration : 3 months

Responsibilities and Jobs Scope

- Daily water quality test : The test must be done for every 4 hours daily. This activities involves pH, chlorine, iron, turbidity test and jar test.
- Weekly maintenance activities : An aerator need to be clean once a week to ensure the water can pass all the trays effectively.
- Visit other water treatment plant that treat different type of water sources to learn the different technologies used.

Internship Project

- Create search box for operation and maintenance manuals for the whole plant by using Microsoft Excel. So that, engineer or staff can search the contents of each volume of plant manual easily.
- Find a solution to overcome the vortex problem in a tank.
- Solve the problem of the changes water flow in a filter tank.

AWARD

Participant of UiTM CHEM-E-CAR Competition 2015 : 1st place (Green Car Category)
3rd place (Stylish Car Category)

EXTRA CURRICULAR ACTIVITIES

CATEGORIES	ACTIVITIES	POSITION
LEADERSHIPS AND MANAGEMENT SKILLS	Social Programme with Orang Asli communities "Dare to Dream" (2016)	Programme Leader
	Foster family programme at Kampung Semanggar, Kota Tinggi, Johor. (2014)	Participant
	Volunteer activity at Rumah Anak Yatim, Teratak Nur Barakah, Shah Alam. (2014)	Participant
	Volunteer activity at Rumah Jagaan dan Rawatan Orang Tua Al-Ikhlas, Puchong. (2014)	Participant
CORPORATE SOCIAL RESPONSIBILITY	Industrial visit at CCM DUOPHARMA SDN.BHD. (2015)	Participant
	UiTM Oil and Gas Week 2015 in Asia Pacific SPE Student Chapter Conference 2015. (2015)	Committee member (Protocol)
	iM4U volunteer activity at Extreme Park Shah Alam. (2014)	Participant
SPORTS	Jungle trekking at Lepoh Waterfall, Hulu Langat.	Participant
	SUKOL 2014 (Sukan Antara Kolej) (2014)	Committee member

REFERENCES

DR. TAN HUEY LING Academic Coordinator Faculty of Chemical Engineering Universiti Teknologi MARA (UiTM), 40450 Shah Alam, Selangor. Contact No : 03-55436310 Email : hueyling@salam.uitm.edu.my	IR. NORMADYDAH AHMAD Research Project Supervisor Faculty of Chemical Engineering Universiti Teknologi MARA (UiTM), 40450 Shah Alam, Selangor. Contact No : 03-55436334 Email : normadydah@salam.uitm.edu.my	DR SITI NOOR SUZILA BT MAQSOOD UL-HAQUE Design Project Supervisor Faculty of Chemical Engineering Universiti Teknologi MARA (UiTM), 40450 Shah Alam, Selangor. Contact No : 03-55436406 Email : suzihague@salam.uitm.edu.my
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