



**WAN NORAIN BINTI WAN ISMAIL**

#### CONTACT INFO

**Home Address** : No. 3, Taman Amal, Jalan Langgar, 05460, Alor Setar, Kedah.  
**Mailing Address** : No. 3, Taman Amal, Jalan Langgar, 05460, Alor Setar, Kedah.  
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#### PERSONAL PARTICULARS

|                    |            |                      |                                 |
|--------------------|------------|----------------------|---------------------------------|
| <b>Age</b>         | : 23 years | <b>Date of Birth</b> | : 17 <sup>th</sup> January 1995 |
| <b>Nationality</b> | : Malaysia | <b>Gender</b>        | : Female                        |
| <b>Status</b>      | : Single   | <b>IC No.</b>        | : 950117-02-5404                |
| <b>Religion</b>    | : Islam    |                      |                                 |

#### EDUCATIONAL BACKGROUND

**Higher Educational** : Degree in Chemical-Bioprocess Engineering  
**Institution** : Universiti Teknologi Malaysia (UTM)

**Foundation** : Express UTM-MARA Programme 2012/2013 in UTM for seven months  
**Achievement** : CGPA 3.51

**Secondary Educational** : Sekolah Menengah Kebangsaan Sultanah Bahiyah (2008- 2010)

Maktab Rendah Sains Mara Langkawi (2011-2012)

**Achievement** : 8A 1B in Penilaian Menengah Rendah (PMR)  
: 4A+ 1A 1A- 3B+ in Sijil Penilaian Menengah (SPM)  
: CGPA 3.55 graduated from MRSM Langkawi

**Primary Educational** : Sekolah Kebangsaan Hutan Kampong

**Achievement** : 5A in Ujian Penilaian Sekolah Rendah (UPSR)

## SPORT AND ACTIVITIES

### Year :

2013    Type        : Hockey  
          Level        : UTM  
          Achievement : First place

2012    Type        : Hockey  
          Level        : District  
          Achievement : Bronze

## CLUBS & VOLUNTEER ACTIVITIES

### Year

2014    Club        : Bioprocess Student Society (BIOSS)  
          Post        : Secretary of Bioneer '15  
          Activities : Prepare all reports and letter about programme and deal with university administration

2015    Club        : Persatuan Mahasiswa Islam UTM  
          Post        : Deputy Chairman of Sports and Culture Exco  
          Activities :

- Set up the sports programme which are Run For Charity and Run For Love to raise the fund for needed people.
- Set up humanitarian mission at Ranau, Sabah during earth quake with colaboration of Muslim Care

2016-2017        : Projek Rakyat Johor Baharu and Muslim Care Volunteer  
          Activities :

- Serve the selected orphange house for tuition every Sunday and Tuesday night
- Involve in Muslim Care humanitarian mission during break

## SKILLS

**Computer Skills** : Microsoft Office ( Word, Excel and Power Point ) , Auto-Cad, SuperPro

## LANGUAGES

|                 |                |              |
|-----------------|----------------|--------------|
| Languages :     | Spoken :       | Write :      |
| Bahasa Melayu   | Fluent         | Fluent       |
| Bahasa Inggeris | Conversational | Intermediate |

## INTERNSHIP/ INDUSTRIAL TRAINING/ WORKING EXPERIENCE

### **June 2016 – September 2016: CONTINENTAL SIME TYRE AS SDN BHD (HQ), ALOR SETAR- MANUFACTURING PLANT, KEDAH**

#### Key Accomplishments:

- Handle for failure analysis that effected the daily production and identified root cause of defect tyre
- Exposed to Six Sigma practices for improvement project and incharge in determining breakdown machine at curing and production department by using SFI system.
- Analyze and present the monthly performance of best green tyre in curing and production department

### **September 2017 – December 2017 (Now) : SETIAUSAHA KERJA PASTI KAWASAN GELANG PATAH, SKUDAI, JOHOR**

#### Key Accomplishments:

- Managing data and analyze the performance of institution to ensure that there is improvement in quality.
- Involve in managing stock and distribution for teachers and student in order to make sure there is no distrupction during learning and teaching process.
- Incharge in preparing the document that related to teachers, students, parents and other organisation that involved in management of PASTI.

## FINAL YEAR PROJECT

### **First Project:**

Undergoes research in biotechnology scope by extracting astaxanthin from microalge species which is *Haematococcus sp.* by using LED. Astaxanthin is extracting from *Haematococcus sp.* know as the best antioxidant compare to others species. Besides, this research is environmental friendly when the chemical use is not toxic and LED has more powerful wavelength and save energy.

#### Key Accomplishments:

- All the result that collected through out this research was taken by postgraduate student for proceeding paper to publish the article.

### **Second Project:**

Undergoes Plant Design project which is Production of 30,000 MTA Lactic Acid from Empty Fruit Bunch (EFB). This project is to produce Lactic Acid by biochemical method rather than produce by chemical synthesis. The things that must be consider in this project for the first phase are chemical product background & market survey, site selection, process selection, synthesis of process flowsheet, mass and energy balance (MEB), simulation of mass and energy balance and process modification. The next phase of this project more to technical process which are mechanical design and costing, process and energy intergration, optimization, process control, safety and hazop and profit analysis. This project develop a lot of critical thinking skill and train to be a problem solver.

#### Key Accomplishment:

- Complete the project on time which is within 4 months and present to industrial person
- The plant will spent 3 years for start-up and will have an operating life of 15 years with a depreciation of 10%.

## REFERENCE

**Dr. Cheng Kian Kai (Academic Advisor) :**

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Universiti Teknologi Malaysia(UTM), 81310 Skudai, Johor.

**Pro. Dr. Ani Bte Idris (FYP Supervisor):**

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