



# WAN ABDUL ALIM BIN WAN MOHD FOUZI

## MECHANICAL ENGINEERING (PLANT & MAINTENANCE)



**Date of Availability**  
Immediate



**Date of Birth**  
29.01.1992



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**Driving Licence**  
B2 & D



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Lot 960, Belakang Sekolah  
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### OBJECTIVE

- ✓ To gain employment with a company with my experience and knowledge, especially in the engineering industry.



### EDUCATION BACKGROUND

- 2011-2015** - Universiti Teknikal Malaysia Melaka Bsc (Hons) In Mechanical Engineering (CGPA 2.48)  
**2010-2011** - Pre University In Perlis Matriculation College (CGPA:3.56)  
**2005-2009** - Sekolah Menengah Sains Machang (SPM:4A 3B 2C)



### PERSONAL SKILLS

Leadership ● ● ● ● ●  
Organization ● ● ● ● ●  
Creativity ● ● ● ● ○  
Communication ● ● ● ● ○  
Team Player ● ● ● ● ●



### TECHNICAL SKILLS

Microsoft Word ● ● ● ● ●  
C++ ● ● ● ● ●  
Solidworks ● ● ● ● ○  
AutoCAD ● ● ● ○ ○  
MatLab ● ● ● ○ ○



### LANGUAGE

B. Malaysia ● ● ● ● ●  
English ● ● ● ● ○  
Arabic ● ● ● ○ ○



### ACADEMIC COURSES

#### 1<sup>st</sup> Year

- |                       |  |                       |
|-----------------------|--|-----------------------|
| ✓ Engineering Graphic | ✓ Manufacturing Process                | ✓ Engineering Design  |
| ✓ Material Science    | ✓ Principle of Electrics & Electronics | ✓ Experimental Method |
| ✓ Statics             |  |                       |

#### 2<sup>nd</sup> Year

- |                             |                                 |                        |
|-----------------------------|---------------------------------|------------------------|
| ✓ Thermodynamics I          | ✓ Solid Mechanics I             | ✓ Computer Programming |
| ✓ Microprocessor Technology | ✓ Computer Modelling & Analysis | ✓ Fluid Mechanics I    |

#### 3<sup>rd</sup> Year

- |   |                             |                        |
|---|-----------------------------|------------------------|
| ✓ Dynamics                                      | ✓ Machine Component Design  | ✓ Mechanical Vibration |
| ✓ Foundation of Plant & Maintenance Engineering | ✓ Solid Mechanics II        | ✓ Heat & Mass Transfer |
|   | ✓ Plant Design & Technology | ✓ Fluid Mechanics II   |
|   | ✓ Thermodynamics II         |                        |

#### 4<sup>th</sup> Year

- |   |  |                                       |
|---|--|---------------------------------------|
| ✓ Measurement & Instrumentation           | ✓ Environmental Engineering & Controls | ✓ Management & Engineering Economy    |
| ✓ Plant Facility, Operation & Maintenance | ✓ Engineering Ethics & OSHE            | ✓ Maintenance Management & Strategies |
| ✓ Condition Based Maintenance             | ✓ Mechanics of Machines                |                                       |
|   | ✓ Reliability, Maintainability & Risks |                                       |



## FINAL YEAR PROJECT

### TITLE: PREDICTING THE LIFE OF BEARING FOR INDUCED DRAFT FAN



- ✓ My final year project is to investigate the unusual damage to the bearings that would result in his death affected. It is important to identify the problem as observation conditions and forecasts can be done to identify problems arise on the machine by using vibration analysis as the primary medium. In addition, the bearings are the most important components of a machine which involves rotation. Machines used in this experiment are PT 500.12 (Roller Bearing Faults Kit). Its purpose is to assess the condition of bearings and bearing vibration analysis, and differences by type of damage. Techniques 'Spectrum' is used to remove high resonant frequency generated by Lagan roller with damaged. In this thesis, the technique of 'Spectrum' is used to estimate bearing life is dependent on the level of damage.



## WORK EXPERIENCES

POSITION : INTERSHIP STUDENT

JUNE 9 – SEPTEMBER 4 (3 months)

**TERANG NUSA (M) SDN BHD**

Job Scope :

- Involve at the maintenance machine department.
- Follow my trainer (factory engineer leader) to checking the machine is function well or not at the factory.
- If any error or defect happened at the machine, me and team will fix the machine component and replace with the new spare part.
- Can handle and had knowledge using oxy-acetylene bolt cutters.
- Fix the old machine to function back as normal.

**TERANG NUSA**

POSITION : PART-TIME PROMOTER

SEPTEMBER 13 – OCTOBER 30 (2 months)

**ECONSAVE BATU BERENDAM**

Job Scope:

- Involved in the work of stacking goods in the space provided.
- Serving customers in the right way.
- Ensure that workplace clean.
- Updates feed stocks in store.



## CURRICULAR ACTIVITIES

- ✓ Participated in Larian KAKOM (2011)
- ✓ Participated in State Level Cricket Tournament (2009)
- ✓ Participated in 'Perkhemahan Agung Bomba & Penyelamat' (2008)
- ✓ Participated in Entrepreneurial Journey (2015)
- ✓ Participated in Sukan antara Kolej Futsal (2011)
- ✓ Participated in Sukan antara Kolei Bola Tampar (2011)



## REFERENCES

The following people have agreed to provide any additional information regarding my qualifications and character:

**Razmeer Azarin Bin Rashid**

Assistant Engineer,  
Lot 4772, Kampung Sungai Trap,  
31000 Batu Gajah, Perak.

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**Azlan Soffian Bin Borhan**

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