

# MAZREE AHAMAD BIN MAHAMOOD AHAMAD (BEng Mechanical Engineering)

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## EDUCATIONAL BACKGROUND

| <u>YEAR</u> | <u>SCHOOL</u>                | <u>GRADES</u>           |
|-------------|------------------------------|-------------------------|
| 1999 - 2004 | SK Sri Gaya                  | 3A (UPSR)               |
| 2005 - 2009 | SM Maktab Sabah              | 5A (PMR) & 2A, 5B (SPM) |
| 2010 - 2011 | Labuan Matriculation College | 3.54 (CGPA)             |
| 2011 - 2015 | Universiti Malaysia Sabah    | 3.21 (CGPA)             |

### Courses taken:

1. Engineering Materials
2. Thermodynamics
3. Applied Mechanics
4. Air Conditioning and Refrigeration
5. Internal Combustion Engine
6. Mechanical Design
7. Vibration

### 1<sup>st</sup> – 4<sup>th</sup> Year Projects

1. Built Truss Bridge for Static course in a group project
2. Designed forklift machine in a group project
3. Finite Element Analysis using SolidWorks
4. Compute numerical program using MATLAB
5. Generate train station program using Turbo Assembler
6. Designed HVAC system for a warehouse in a group project

### Final Year Project

|         |  |
|---------|--|
| Title   | Impact Behavior of Different Ply Orientations of Unidirectional Glass Fiber Laminate   |
| Summary | The main objective of this research is to observe and characterize the impact behavior of different ply orientation of unidirectional Glass Fiber Reinforced Polymer – GFRP. Fabrication of seven layers of different ply orientation has been achieved in this research. By using hand lay-up process, geometric structure of GFRP composite laminate has been achieved and tested according to ASTM D 7136/D7136M standard. The emphasis of this research is to evaluate the toughness and impact characteristic under drop weight impact load on different ply orientation of GFRP. |

### SKILLS

Language Proficiency : Fluent in Bahasa Malaysia and English

Computer Literacy : AutoCAD, MATLAB, SolidWorks, Adept in Microsoft Office applications

Others : NDT (Penetrant Testing)

### WORKING EXPERIENCE

2015 Research Assistant at Universiti Malaysia Sabah (5 months)

2014 Industrial Training at Omega Brilliance Sdn. Bhd. Power Plant (10 weeks)

### SCHOLARSHIP/AWARDS/PRIZES

2012 – 2015 Biasiswa Kerajaan Negeri Sabah (BKNS) scholarship

2015 Dean's List Awards (2014/2015 Session)

2012 2<sup>nd</sup> place in UMS Mechanical Sports Day (Futsal)

2004 Sabah representative for marching competition

**ACHIEVEMENTS AND EXTRA CURRICULAR ACTIVITIES**

| <u>YEAR</u> | <u>CLUB/SOCIETY/EVENTS</u>   | <u>POSITION HELD/HIGHEST ACHIEVEMENTS</u>  |
|-------------|--|--|
| 2011 – 2015 | Mechanical Club<br>UMS Bicycle Curriculum Club                     | Committee Members<br>President<br>Organized UMS Cycling closed tournament.   |
| 2010 – 2011 | Pembimbing Rakan Dinamik   | Vice President   |
| 2005 – 2009 | Pembimbing Rakan Sebaya<br>IT Club<br>Sports<br>Uniform Body (KRS) | Active member<br>School representative<br>Represented school in football<br>Represented school in marching competition |

**References****Prof. Dr. Yeo Kiam Beng**

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