

INVESTIGATING OF MECHANICAL PROPERTIES
OF REINFORCED PLASTIC (FIBERGLASS)

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for the award of the degree of
Bachelor of Mechanical Engineering with Manufacturing

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SUPERVISOR'S DECLARATION

We hereby declare that we have checked this project and in our opinion this project is satisfactory in terms of scope and quality for the award of the degree of Bachelor of Mechanical Engineering with Manufacturing.

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STUDENT'S DECLARATION

I hereby declare that the work in this thesis is my own except for quotations and summaries which have been duly acknowledged. The thesis has not been accepted for any degree and is not concurrently submitted for award of other degree.

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LIST OF SYMBOLS

ε	Engineering Strain
σ	Engineering Stress
l	InstantaneousLength
l_0	Original Gage Length

LIST OF ABBREVIATIONS

FRP	Fiber-reinforced Plastic
MMC	Metal Matrix Composites
CMC	Ceramic Matrix Composites
PMC	Polymer Matrix Composites
GRP	Glass-reinforced Plastic
UTM	Ultimate Tensile Machine
Y	Yield Point/ Yield Stress
UTS	Ultimate Tensile Strength