

MECHANICAL BEHAVIOUR OF  
POLYMER BASED BAMBOO COMPOSITE 2

JAMIL BIN ZULKEPLE

B. ENG. (HONS.) MANUFACTURING ENGINEERING  
UNIVERSITI MALAYSIA PAHANG

# MECHANICAL BEHAVIOUR OF POLYMER BASED BAMBOO COMPOSITE 2

JAMIL BIN ZULKEPLE

Report submitted in partial fulfillment of the requirements

For the award of the degree of

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Signature :  
Name of supervisor : DR. DEWAN MUHAMMAD NURUZZAMAN  
Position : ASSOC. PROF.  
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\*Name of Co-supervisor : DR. RASMINA BT HALIS  
Position : HEAD OF DEPARTMENT  
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**LIST OF SYMBOLS**

$\Sigma$	Summation
+	Addition
<sup>2</sup>	Squares
-	Divide
*	Multiply
<sup>0</sup> C	Degree Celsius
%	Percentages

**LIST OF ABBREVIATIONS**

BF	Bamboo Fiber
PP	Polypropylene
PMC	Polymer Matrix Composite
CMC	Ceramic Matrix Composite
MMC	Metal Matrix Composite
ASTM	American Society for Testing and Material
GPa	Giga Pascal
MPa	Mega Pascal
SOP	Standard Operation Procedure
WA	Water Absorption
UTM	Universal Tensile Machine
UTS	Ultimate tensile strength
CFRP	Carbon Fiber Reinforced Polymer