

LIST OF SYMBOLS AND ABBREVIATIONS

ANFIS	-	Adaptive Neuro Fuzzy Inference System
ASTM	-	American Society for Testing of Materials
BFRP	-	Bamboo Fibre-Reinforced Plastic
cm	-	Centi meter
R^2	-	Coefficient of correlation
$^{\circ}\text{C}$	-	Degree Celsius
FC	-	Fiber Content
FL	-	Fiber Length
FRP	-	Fiber Reinforced Polymers
FTIR	-	Fourier Transform Infra Red
FL	-	Fuzzy Logic
GA	-	Genetic Algorithm
HDPE	-	High Density Poly Etylen
H	-	Hours
kJ/m^2	-	Kilo Jules per meter square
MP	-	Matrix Proportion
MPa	-	Mega Pascal
MEKP	-	Methyl Ethyl Ketone Peroxide
NFRP	-	Natural Fiber Reinforced Polyester
NFRPC	-	Natural Fiber Reinforced Polyester Composites
NN	-	Neural networks
PVC	-	Poly Vinyl Chloride
PMCM	-	Polymeric Matrix Composite Material
RM	-	Regression Model
SEM	-	Scanning Electron Microscopy
SFRECM	-	Sisal Fiber Reinforcement Epoxy Composite Materials
SPSS	-	Statistical Package for the Social Science
SFRPC	-	Synthetic Fiber Reinforced Polyester Composites

W	-	Weight
wt%	-	Weight percentage