Abstract:

We have fabricated the Epoxy/Coconut Fiber by hand lay-up technique and studied its mechanical properties by universal testing machine, Impact testing meeting and microhardness testing machine. We observed the tensile strength, impact strength and Vicker's microhardness from the Epoxy/Coconut Fiber composite which are 510 MPa, 10 J and 132.76 HV respectively. We compared the properties obtained from the Epoxy/Coconut Fiber composite with the properties of Epoxy/Banana Fiber composite and Epoxy/Coconut Fiber composite proved itself better in terms of mechanical properties.