

ABSTRACT

DEVELOPMENT OF COMPOSITE MATERIAL USING SUGARCANE BAGASSE, SISAL AND JUTE MATERIAL WITH ANGLE ORIENTATION

Composites of various compositions with three different fibre orientation (0°, 30° and 40°) are fabricated using simple hand lay-up technique. It has been observed that there is a significant effect of fibre loading and orientation on the performance of jute/glass fibre reinforced epoxy based hybrid composites. The developed hybrid composites undergo different kinds of tests. The result shows hybrid composites having good strength and stiffness compared to natural hybrid composites.