

Tensile Properties Of Mengkuang Leaf Fiber Reinforced Polyester Composites

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ABSTRACT

This report introduces on the tensile properties of mengkuang (Pandanus Tectorius) based on its fiber sizes. Natural fiber which is mengkuang reinforced thermoset composites have great intention due to their benefits to replace synthetic fiber. It is also ecofriendly compare to synthetic fiber. It also explained the tensile strength and Young Modulus of each mengkuang fiber size.

This also will involve a few process which is hand lay-up, cutting and measuring the specimen using ASTM D3039 standard. Further details and information are provided in this report. The test results will include the tensile stress at break and modulus elasticity. Improvising the project for future also include here so that it may have better performance and outcome.