

**PROPERTIES OF ORIENTED STRAND BOARD FROM LUDAI
SPECIES WITH DENSITY OF 700 Kg/m³ AND DIFFERENCE RESIN
CONTENT**

By

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ABSTRACT

Oriented strand board (OSB) is one of many wood composites. Today, this panel is the most popular engineered wood for worldwide since this tremendous material replaces plywood for building construction. The Ludai species (*Sapium baccatum*) is selected to know the properties of OSB which made from this species. The testing on the board are bending strength, thickness swelling and water absorption, Modulus of Rupture (MOR) and Modulus of Elasticity (MOE). The board is compared with the Malaysia Standard Data. Then, the potential of the board will know after comparing with the Malaysia Standard Data.