

**THE STUDY OF ORIENTED STRAND BOARD (OSB) FROM LUDAI
SPECIES WITH THE DENSITY OF 500 KG/M³, 600 KG/M³, AND 700
KG/M³ USING 3% RESIN CONTENT**

By

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Oriented Strand Board (OSB) from Ludai species (*Sapium baccatum*) is one of wood composite panel which have most similar strength properties with plywood. The purpose of this study is to determine the strength properties of OSB made from *Ludai* species (*Sapium baccatum*). This species have interesting physical properties, bright in color and the density is 400kg/m³. These properties are the factors why this study was made and to determine whether *Ludai* is suitable or not in the production of OSB. The trial of using only 3% resin content with different density of board until the lowest value is 500kg/m³ and the highest value is 700kg/m³ is to determine and identify the strength to make comparable with Malaysian Standard and to commercialize it.