

**STRENGTH PROPERTIES OF ORIENTED STRAND BOARD
FROM LUDAI SPECIES AT 7% RESIN CONTENT WITH
DIFFERENT DENSITY**

By

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ABSTRACT

STRENGTH PROPERTIES OF ORIENTED STRAND BOARD FROM LUDAI SPECIES (*Sapium baccatum*) AT 7% RESIN CONTENT WITH DIFFERENT DENSITY

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Oriented strand board (OSB) is the one of many types of product based on wood. It is the new product that introduce in Malaysia. The researches that have been done with used Ludai (*Sapium baccatum*) species as a raw material, shows the validity result. The test of bending, thickness swelling, and water absorption, were achieved the results over the standard .The result that are got said with using the different density influences the properties of OSB in the OSB manufacturing. Higher density with the valid with resin can produce the good quality of OSB.