

PROPERTIES OF PARTICLEBOARD FROM  
JUVENILE *Acacia mangium*  
AT 650 Kg/m<sup>3</sup>  
WITH 8% And 12% RESIN

By  
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## **ABSTRACT**

### **PROPERTIES OF PARTICLEBOARD FROM Juvenile *Acacia mangium* AT 650 Kg/m<sup>3</sup> WITH 8% And 12 % RESIN.**

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In this study, the different percentage of resin urea-formaldehyde (UF) will be mixed with the Juvenile *Acacia mangium* wood particles that are 8% and 12% resin. Particleboard is produce by mechanically reducing the material into small particles, then applying adhesive (UF) for internal uses. Consolidating a loose mat of the particleboard with heat and pressure. The result shows that the different percentages of resin used are affecting the properties of the board.