

**Properties of particleboard from  
Mixed species Karas (*Aquilaria species*), Kedondong (*Burseraceae species*),  
Mahang Kapur (*Macaranga Hypoleuca*) at 700 kg/m<sup>3</sup> with 8%, 10%  
And 12% resin with 1% wax**

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**ABSTRACT**

**PARTICLEBOARD BOARD FROM**

**BY**

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In this project, study for particleboard made from resources of mixed species of wood is work out. This study is to determine either particleboard from mixed species of wood is suitable for the production. Different testing had been done to determine the strength and suitability of the particleboard made from mixed species of wood. Some of the tests done are; **“Modulus of Rupture (MOR)”**, **Modulus of Elasticity (MOE)”**, **“Water Absorption (WA)”** and **“Thickness Swelling (TS)”**. From result obtained, there are many weaknesses of the particleboard from mixed species of wood. It must be resolved, so that the species of mixed wood can be use as new raw materials for development and manufacturing the particleboard.