Properties of particleboard from Mixed species Karas (*Aquilaria species*),Kedondong (*Burseraceae species*), Mahang Kapur (*Macaranga Hypoleuca*) at 700 kg/m^3 with 8%, 10% And 12% resin and with 0% wax and 1% wax

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ABSTRACT

Properties of particleboard from mixed species Karas (*Aquilaria species*), Kedondong (*Burseraceae species*), Mahang Kapur (*Macaranga Hypoleuca*) at 700 kg/m^3 with 8%, 10% and 12% resin and with 0% wax and 1% wax

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In this study, three percentage of resin urea- formaldehyde (UF) that are 8%, 10% and 12% will be mixed with the mixed species Karas (*Aquilaria species*), Kedondong (*Burseraceae species*), Mahang Kapur (*Macaranga Hypoleuca*) wood particles and wax. This mixed will be made a board called particleboard after been cured by heat and pressure. The properties of this particleboard will be determined by several types of test. The results shows that the percentages of resin used and wax are affecting the properties of the board. For the standard of evaluating this particleboard reach the value that been specified.