

UNIVERSITI TEKNOLOGI MARA

**EFFECT OF PARTICLE SIZE AND RESIN ON
KELEMPAYAN PARTICLEBOARD**

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EFFECTS OF PARTICLE SIZE AND RESIN ON KELEMPAYAN PARTICLEBOARD

ABSTRACT

A research was done to study the effect of particle size and resin on kelempayan (*Neolamarckia cadamba*) particleboard. This research is done by using two types of resins, urea formaldehyde (UF) and phenol formaldehyde (PF) and different size of wood particles (0.5mm, 1.0mm, and 2.0mm). Mechanical properties (bending, IB) and physical properties were performed according to BS standard. From the study, it showed that 0.5mm of size wood particle and PF resin exhibit the highest strength of particleboard.