

**PROPERTIES OF THREE-LAYER PARTICLEBOARD FROM
RUBBERWOOD AND *Leucaena leucocephala***

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ABSTRACT

PROPERTIES OF THREE-LAYER PARTICLEBOARD FROM RUBBERWOOD AND *LEUCAENA LEUCOCEPHALA*

In this study, *leucaena leucocephala* and rubberwood particles were used. Urea formaldehyde (UF) resin was used as a binder. The three-layer particleboard respectively with 8, 10 and 12% resin contents and particleboard ratio between the species is 50L: 50R/W. Particle size of 1.0mm for core and 0.5mm for surface and back are use. The modulus of elasticity (MOE), modulus of rapture (MOR), internal bond (IB), screw withdrawal (SW) and thickness swelling (TS) of particleboards were determined according to British Standards Institution (BS EN Standard). All result had achieved a standard except thickness swelling.