

Effects of age and height on selected properties of Malaysian bamboo (*Gigantochloa levis*).

ABSTRACT

Effects of age and height on the fibre morphology, density, modulus of rupture (MOR) and modulus of elasticity (MOE) of *Gigantochloa levis* (buluh beting) were studied on 2- and 4-year-old bamboo. There was no significant difference in bamboo properties in relation to age, except that the 4-year-old bamboo had thicker fibre wall. However, culm height affected fibre length and density at both ages. Fibre diameter, fibre wall thickness, MOR and MOE differed significantly with height in 2-year-old bamboo.

Keyword: Fibre morphology; Density; Modulus Of Rupture (MOR); Modulus Of Elasticity (MOE).