

MORPHOLOGICAL CHARACTERISTICS OF YEMANE
(*GMELINA ARBOREA*)

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ABSTRACT

The studies of morphological characteristic to the *Gmelina arborea* are based on the TAPPI standard. The objectives of this study are to find the different characteristic of fiber at the part of tree from bark and pith and for the different height. Bottom to top is decrease in fiber length are 1.12mm and 1.05mm, for cell wall thickness also decreased from bottom to top are 7.88um and 5.51um and while for runkle ratio is decrease from bottom to top are 1.06um and 0.68um. So, from the research fiber morphology using *Gmelina arborea* its fiber characteristic can be identified. From the result of the study we will know whether this species can produce a good paper or not and estimate the strength properties of paper.