

Morphological and anatomical characteristics of managed natural bamboo stands - *Gigantochloa scortechinii*

Abstract

Morphological and anatomical characteristics of 2- and 4-year-old managed natural stands of *G. scortechinii* were studied. The morphological characteristics varied depending on age and height level of the culms. The cell wall thickness of both parenchyma and fibre were greater in 4-year-old than in 2-year-old culms. The frequency of vascular bundles was greater at the bottom and top portion than in the middle portion of both the age-groups. There was no difference in vessel diameter between the 2- and 4-year-old culms at the mid part of the culm wall. The anatomical structure in bamboo had a very strong correlation with the moisture content and basic density. © KFRI 2007.