

# **STUDY OF SOME MECHANICAL PROPERTIES OF BAMBOO LAMINAE**

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## **ABSTRACT**

Mechanical properties of bamboo laminae, prepared from bamboo slivers selected from different regions of bamboo culms of *dendrocalamus strictus* species, increases from inner to outer region for any cross section and the same is experienced from bottom to top. Mode of failure were identified at macroscopic level as suggested in ASTM standard and their mechanism were examined at microscopic level using SEM analysis of fractured surfaces under different type of tests. Mechanical properties of laminas were found good enough to increase usability of bamboo like wood.

**KEYWORDS:** Laminae; Mechanical properties; SEM.