

**THE MECHANICAL PROPERTIES OF DIMENSION STABILITY OF
KEDONDONG KERANTAI LICHIN (*Santiria laevigata*)**

By

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ABSTRACT

This thesis was carried to determine the mechanical properties of dimension stability of kedondong kerantai lichin. The main objectives of this thesis to determine the mechanical properties of dimension stability of kedondong kerantai lichin and determine it drying defect. The initial weight, length, width and thickness and also final measurement of kedondong kerantai lichin has been taken to get the percentage of moisture loss and dimensional changes. For this study four difference temperatures (sample A is 25°C, sample B is 50°C, sample C is 75°C, sample D and sample E (control) are 105°C) with six replicates was prepared. All results of the samples showed decreasing in the final weight, length, width and thickness. The drying defects that appear in all sample of kedondong kerantai lichin are crack.