

THE EFFECT OF PARTICLE SIZE ON PARTICLEBOARD FROM
OIL PALM FRONDS (*Elaeis guineensis*) WITH DENSITY
700kg/m³ AND 12 % RESIN CONTENT

By:

AZAZURAIKAI BINTI MOHD ZIN

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Faculty of Applied Science,

Universiti Teknologi MARA, Pahang.

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CONTENT

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ABSTRACT

Malaysia Particleboard has received response from local and overseas market. Particleboards have many uses especially for furniture. Beside that the raw materials for particleboard can be found easily and the cost manufacture are low. This study was conducted on the oil palm fronds (*Elaies guineensis*) to determine the properties and its suitability as a raw material for the manufacture particleboard. The basic properties determine was based on JIS standard and the manufacture of the particleboard were conducted following the standard laboratory procedures. The properties of oil palm particleboard refer to the contents of the parenchyma in the tree. Parenchyma give effects of the board properties and the bonding of the glue are not strong.