

**ASH AND LIGNIN CONTENT OF
MERANTI KEPONG (*Shorea ovalis*)**

By

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**Final Project Submitted in Partial Fulfillment for the Diploma in Wood Industries
Faculty of Applied Science
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March 2002

ACKNOWLEDGEMENT

First of all, I would like to thank almighty ALLAH for His blessing leading to the success of this final project.

Heartfelt gratitude also goes to my respectful advisor Assoc. Prof. Dr. Suhaimi Muhammed for the taught and lesson, and all the kindness you've showed.

Thank you to the staff of Diploma in Wood Industries laboratory and workshop, Mr. Rudaini and Mr. Sardey for their priceless help on preparing the materials needed in this research.

To my loyal friends who was there when I'm in need,

And last but not least to my beloved family who give me the strength to keep up with the study and encourage me all along the process of succeeding this project paper.

Also to other individuals who has involved directly or indirectly with this project paper. Thank you very much.

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ABSTRACT

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MARCH 2002

The percentage of ash and lignin content in Meranti kepong (*Shorea ovalis*) was determined from wood segment near the pith and near the bark in accordance to TAPPI standard. In both cases, the segment of wood near the pith exhibited higher values for ash and lignin content when compared to those segments near the bark. Lignin content ranges from 26% to 31% and the ash content ranges from 0.13% to 0.26%. These values of high lignin and low ash content could serve as good indication for better utilization especially when machining and during chemical recovery of black liquor in the manufacture of chemical pulp. Knowledge on the ash content for example, would enable a mill to take positive measures in their effort to minimize problems related to pulping of wood containing substantial ash contents. On the other hand, wood with high lignin content would influence bleaching during pulping process.