

ANATOMICAL, PHYSICAL AND CHEMICAL PROPERTIES OF BATAI

( *Albizia falcataria* )

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Final Project Submitted in Partial Fulfillment for the Diploma in Wood Industries,

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November 2010

## ACKNOWLEDGMENTS

Bismillahirrahmanirrahim...!

Alhamdullilah, first and foremost, we grateful to almighty Allah, for the grace that we able to complete this thesis should about wood basic properties of Batai spp (*Albizia falcataria*).

We also want to thank to Universiti Teknologi MARA (UiTM) and all parties involved in giving opportunity to the further study and also for giving chance to optimize the facilities provide by this university. We proud to extend heartfelt gratitude to our supervisors , Prof. Dr. Suhaimi b. Muhammed also lecturer in Diploma in Wood Industry UiTM for his invaluable advice in monitoring and guiding me trough out the duration of study for completing our project module.

We would like to extend sincerest gratitude to our wood industry lecturer Dr. Wan Nazri b. Wan Abdul Rahman, Mr. Amran b. Shafie, Mdm. Junaiza bt Ahmad Zaki, Mr. Rudaini b. Mohd Nawawi and staff wood factory for their passion in sharing their knowledge's.

Finally, thank and love for our family and friends for their hope and support to complete this project. Thank you.

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## **ABSTRACT**

### **ANATOMICAL, PHYSICAL AND CHEMICAL PROPERTIES OF BATAI SPP**

***(Albizia falcataria)***

**By :**

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**OCTOBER 2010**

This project is a study of the properties of anatomical, physical and chemical properties of wood species Batai (*Albizia falcataria*). Batai tree species was taken in Merbok, Kedah who was 7 years old. This tree is mature in nature. Samples from these trees is used to study the properties of anatomical, physical and chemical properties of the height of whether the level of the base, middle, and this is also the principal part and the frequency of pore diameter, density, specific gravity and moisture content and ash. Methods used in determining the pore size and frequency of measurement and counting using a digital lens. Methods used in determining the density of the water displacement method. For specific gravity, water immersion method is the determination of ash content and the method of combustion is burned. From the results it obtained Batai sample of pore diameter is 200.681 $\mu\text{m}$ , frequency pore; 3.73 number/ $\text{mm}^2$ , density; 307.167 $\text{kg/m}^3$ , specific gravity; 0.250, moisture content; 0.781%, ash content; 0.966%. In conclusion, *Albizia falcataria* tree may be a product but the low quality products.