

**THERMAL CONDUCTIVITY OF RICE HUSK CEMENT  
BONDED PARTICLEBOARD (CBP)**

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**JANUARY 2014**

## ACKNOWLEDGEMENTS

I take this opportunity to express my profound gratitude and deep regards to my supervisor, Mr. Nazree Bin Ahmad @ Muhamad for his exemplary guidance, monitoring and constant encouragement throughout the course of my final year project, “Thermal Conductivity of Rice Husk Cement Bonded Particleboard (CBP)”. The help and guidance given by him time to time shall carry me a long way in the journey of life on which I am about to embark.

I also take this opportunity to express a deep sense of gratitude to my co-supervisor, Dr. Shaikh Abdul Karim Yamani Bin Zakaria, for his cordial support, valuable information and guidance, which helped me in completing this task.

I am obliged to Siti Nasuha Binti Rafien and Muhammad Azizul Bin Radhi, for the valuable information provided by them in their respective fields. I am very grateful for their cooperation during the period of my final year project.

Lastly, I would like to take this opportunity to express my special thanks to ALLAH S.W.T for His blessing and strength, my beloved parents and friend for their support. May ALLAH repay all their kindness that helped me in every way to ensure this final year project success.

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## ABSTRACT

### **THERMAL CONDUCTIVITY OF RICE HUSK CEMENT BONDED PARTICLEBOARD (CBP)**

The thermal conductivity of rice husk (Rh) cement bonded particleboard (CBP) was ascertained. The variable that affects the thermal conductivity of CBP was various ratios of Rh and cement. Five series of CBP with different ratio of cement and Rh which were 1:2.0, 1:2.25, 1:2.5, 1:2.75, and 1:3.0 were manufactured under laboratory conditions. These CBP with Rh was tested using KD-2 Pro Thermal Properties Analyzer. From this study, it shows that the thermal conductivity of CBP with Rh is continually decreasing as the ratio of the cement and Rh is increase.