

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

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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.