

**WITHIN TREE VARIATION OF PHYSICAL AND MECHANICAL  
PROPERTIES OF BALSA (*Ochroma pyramidale*) GROWN IN LUMAJANG,  
EAST JAVA**

**UNDERGRADUATE THESIS**



By :

**AHMAD KARSIDI**  
**09/285436/KT/06562**

**FOREST PRODUCT TECHNOLOGY DEPARTEMENT  
FORESTRY FACULTY  
UNIVERSITAS GADJAH MADA  
YOGYAKARTA  
2013**