

**BENDING STRENGTH OF MERSAWA AT DIFFERENT TREE  
PORTION**

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**Final Year Project Report Submitted in  
Partial Fulfillment of the Requirement for the  
Degree of Bachelor of Science (Hons) Furniture Technology  
In the Faculty of Applied Sciences  
Universiti Teknologi MARA**

**JANUARY 2012**

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## **ABSTRACT**

### **BENDING STRENGTH OF MERSAWA AT DIFFERENT TREE PORTION**

This study is carried out to determine the bending properties of Mersawa at different portion (top, middle, and bottom) and condition (green, dry). The specimen selected is Mersawa tree from UITM forest. The age of this mersawa tree is more than 20 years old. Along with the determination of MOR, MOE, density, and moisture content at different portion and different condition. It is to prove that the different condition and moisture content will affect the properties of tree .this is important in the furniture industry. This sample is carried out following British Standard methods. This is 30cm x 2cm x 2cm follow the BS standard .this sample will test using Instron Machine .Among the result it showed bottom part is more strength than the other portion. The test result show that there is a significant non linear relationship between portion