STRENGTH PROPERTIES OF THE OSB MIX FROM ACACIA 70% AND SESENDOK 30% WITH 500KG/M³ AND RESIN CONTENT 5%

MARIAM BINTI SAFFII

DIPLOMA IN WOOD INDUSTRY
UNIVERSITI TEKNOLOGI MARA

2005

ACKNOWLEDGEMENT

First at all, I want to thank to take this opportunity to express my special thanks to ALLAH S.W.T for his blessing and give me strength andidea to complete this final year project entitle' Strength Properties Of The OSB Mix From Acacia 70% And Sesendok 30% With 500kg/m³ And Resin Content 5%'.

Thanks for useful comments:

En Wan Mohd Nazri bin Wan Abdul Rahman and En. Fauzi

For technical services:

The library of Al- Bukhari (UiTM Pahang)

TABLE OF CONTENTS

Abstract of final project presented to the Universiti Teknologi MARA fuffillment of the requirement for the Diploma in Wood Industry

STRENGTH PROPERTIES OF THE OSB MIX FROM ACACIA 70% AND SESENDOK 30% WITH 500KG/M³ AND RESIN CONTENT 5%

BY

MARIAM BINTI SAFFII

MARCH 2005

Adviser: En.Wan Nazri Wan Abdul Rahman

Faculty: Applied Sciense

Wood base panel has been used in North America since 1985 and has proven themselves in virtually millions of boats, both large and small. The product has since expanded into applications such as bus floors, manure spreaders and permanent wood foundations.In this study, the density 500kg/m^3 with the resin content 5% with the mixing Acacia 70% and Sesenduk 30% make the board not strong and strength. The properties of board will be determined with the several types of test. Density with the 500kg/m^3 with the resin content 5% not suitable for the making OSB because base the result show of MOR and Internal Bonding where below the standard the OSB not strong and strength. But from the result Thickness Swelling show passed the standard because reduce water absorb in the sample.