

**PROPERTIES OF PARTICLEBOARD FROM SENTANG
AND KENAF CORE**

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

JULY 2013

ACKNOWLEDGEMENTS

Alhamdulillah and very grateful to ALLAH S.W.T the might for giving me the opportunity to complete and submitted my final year project entitled “Properties of Particleboard from Sentang and Kenaf Core”. I would also like to express my deepest appreciation to my advisor, Associate Prof. Dr. Wan Mohd Nazri Wan Abdul Rahman for his encouragement and guidance in designing and implementing this project until the end of my study.

Thanks also to Prof Dr. Jamaludin Bin Kassim for his help, support and guidance throughout the course of my study. Not forgetting, thanks to the all lectures, non-academic staff and my seniors for their cooperation in giving ideas and lesson to me in order to complete this project. For my entire friend and my family, thanks for giving support and help to me in order to complete this study in time.

I hope this paper will give benefit to all of wood industry especially particleboard industry in order to found new raw material in making particleboard.

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ABSTRACT

PROPERTIES OF PARTICLEBOARD FROM SENTANG AND KENAF CORE

In this study, the influences of board ratio and resin content (RC) on mechanical and physical properties of particleboard manufactured from sentang and kenaf core raw materials were determined. Sentang and kenaf core was used as alternative raw materials for particleboard manufacturing. Resin content of effect at (8,10,and 12%) and board ratio (50:50, 70:30, 100:0) were determine with in this situation . Board panels were tested for their mechanical strength including modulus of rapture (MOR), modulus of elasticity (MOE), internal bonding (IB) and physical properties thickness swelling (TS) were determined based on Malaysia (MS) standard. Mechanical and physical properties of particleboard were increased with of resin content. Strength and durability particleboard increased with sentang particle.