

**PAPER PROPERTIES FROM PETAI BELALANG (*leucaena leucocephala*)
USING SODA PULPING WITH ADDING OLD CORRUGATED CONTAINER
(OCC)**

By

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**Final Project Paper Submitted in Fulfillment for the Diploma in Wood Industry
Faculty of Applied Science, Universiti Teknologi MARA**

APRIL 2006

ACKNOWLEDGEMENT

First at all us very thankfully to Allah SWT the al-mighty in the world, cause we have given a chance and guidance to do and complete this project in the given time.

Special thank also to Mrs. Junaiza and their husband too, because of they kindly heart giving us an advice and encouragement, we have finish our project earlier and easier than from that we think before.

We also very appreciated to all Woodtech staff specially to Mr. Sardey, pok, shahril and the others we not include their names here for their support, co operation and also their stupid joke sometimes in providing us the material and technical assistance during the pulping process till the testing end...

Besides that, a real thank you for our self Fared and chembo who involved hardly to done and finished this projects properly, get many experience including happy and sad during this project.

Last but not least, to everybody who was involved indirectly in our thesis, especially our roommate, chip and falah, also all of the Woodtech organization in completion of our final project, we thanks again.

Thanks for everything!

BELIA BENCI DADAH!

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ABSTRACT

PAPER PROPERTIES FROM PETAI BELALANG USING SODA PULPING WITH ADDITION OLD CORRUGATED CONTAINER (OCC)

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MAY 2005

Soda pulping is one of chemical pulping and basically OCC is made from kraft pulping. In this study, we determine paper properties from Petai Belalang with addition OCC. The purpose of this study is to determine suitability of using Petai Belalang as raw material. While OCC is mixed with virgin pulp soda pulping from Petai Belalang. The cooking is done by using M.K digester at temperature 170°C for 3 and half hour. The paper testing is followed by TAPPI standard to determine mechanical properties of paper. We separate paper by beating revolution. There 4 beating revolution, 0,5000,10000 and 15000. As a result, we get that graph paper properties is increasing and decreasing as increasing of beating revolution. These shows that paper is reach optimum point. When OCC is mix with virgin pulp from Petai Belalang is suitable to make box as corrugated medium in packaging industry.