FOREST PLANTATION DEVELOPMENT IN MALAYSIA AND THE POTENTIAL OF RUBBERWOOD AS AN IMPORTANT SOURCE OF TIMBER IN THE FUTURE

BY:

MOHAMAD SAHADI BIN MOHAMAD

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

APRIL 2005

ACKNOWLEDGEMENT

First of all, I would like to thank to the almighty Allah S.W.T for his blessing and favor in guiding me towards the completion of this final project entitle "Forest Plantation Development In Malaysia And The Potential Of Rubberwood As An Important Sources Of timber In The future".

And the special thanks to my respectful advisor, Mr Ahmad Fauzi Bin Lokman, who was so generous in lend me a help and show me the correct way of performing my task.Special thanks to him for the assistance,patient and kindness during the project. Thank you also to all my members because of their help to finish my project paper.

Lastly, I also want to extend my appreciation to those who are involved either directly or indirectly in completing this project. I believe, without their helps, I would not be able to complete this final project.

TABLE OF CONTENT

APPROVAL SHEET	i
ACKNOWLEDGEMENT	ii
LIST OF TABLE	iv
ABSTRACT	v
ABSTRAK	vi

CHAPTER

INTRODUTION I

	1.1 Development of Forest Plantation	1
	1.2 What is Rubberwood?	3
п	2.1 Forest Development	5
	2.1.1 Government Initiatives	9
	2.1.2 Development of Rubberwood	
	Forest	10
	2.1.3 Rubberwood and Oil Palm Plantation	11
	2.1.4 Principle of Forest Plantation	12
	2.2 The Emergence of Rubberwood	16
	2.3 Issues of Supply Utilization and Price	19
	2.4 Plantation of New Rubber Clone for Timber and Latex	20
	2.5 Availability and Production	22
	2.6 The Industry	29
	2.7 The Productivity and Volume Estimates	29

CONCLUSION	31

REFERENCE	32
VITA	35

LIST OF TABLE	PAGES
1. Export of Malaysian Rubber Furniture	17
 Export of Malaysian Rubberwood Sawn Timber and Rubberwood Product 1993-1999 	18
3. Area Replanted with Rubber Trees in Malaysia	23
4. Export of Rubberwood from Peninsular Malaysia (in Ringgit Malaysia)	26

ABSTRACT

FOREST PLANTATION DEVELOPMENT IN MALAYSIA AND THE POTENTIAL OF RUBBER WOOD AS AN IMPORTANT SOURCE OF TIMBER IN THE FUTURE

By

MOHAMAD SAHADI BIN MOHAMAD

APRIL 2005

Forest plantation development is a relatively new sector in Malaysia. Although trial planting of various indigenous and exotic species has been carried out since the early 1900's, commercial forest plantation only started in the 1950's with the planting of teak in Kedah. Through the 1960's and 1970's, several attempts were made to establish commercial forest plantation mainly by the Forestry Departments in Peninsular Malaysia and by government corporations in Sabah. The Federal government has provided several incentives in the form of tax relief to encourage investment in this sector. Some state governments, on the other hand, also allocated land for forest plantation purposes. In the 1980's, the rapid development of the timber-based industry also saw the discovery of rubber wood as an important source for furniture manufacturing as the result of rubber wood availability from large replanting programme. The rubber wood industry has now matured into billion ringgit foreign exchange earner. However, the long term supply of rubber wood is now in question as a large percentage of the old rubber areas have been converted to other more profitable crops such as oil palm. In view of the increasing importance of rubber wood industry, steps have been taken to find new rubber clones which can produce high latex yield as well as high wood volume at the shorter rotation. Through the early selection and trial planting, several clones from RRIM 900 series and the newly launched RRIM 2000 series have been identified for future replanting programme. The planting of these latex-timber clones provides intermediated income from tapping while ensuring higher timber volume at shorter rotation to 20 years.