### THE SAWMILL PRACTICES IN MALAYSIA

# By SYAIFUL HANIF BIN MOHD SAHMAN MUHAMMAD SYAZWAN BIN ROSLI

Final Project Paper Submitted in Fulfillment for the Diploma in Wood Industry,

Faculty of Applied Science, Universiti Teknologi MARA

**MARCH 2012** 

# **Table of Content**

	Page
APPROVAL SHEET	i
DEDICATE	ii 
ACKNOWLEDGEMENT	iii
TABLE OF CONTENT	iv
LIST OF TABLE	v
LIST OF FIGURE	vi
ABSTRACT	vii
ABSTRAK	viii
Chapter 1 : Introduction of Sawmill	
1.1 Introduction	1
1.2 Objective	4
Chapter 2 : Sawmill Operations	
2.1 Operational of Sawmill	5
2.2 Breakdown and Resaw Unit 2.3 Automated Timber Complex	7
2.5 Flatoniaea Timoor Complex	
Chapter 3 : Sawmill Recovery	
3.1 The Volume Recovery and The Value Recovery	10
3.2 Types of Cutting Method	11
Chapter 4 : Drying of Timber	
4.1 Wood Drying	14 16
4.2 Types of Wood Drying 4.3 Kiln Drying Schedule	20
4.4 Drying Defect	21
Chapter 5 : Maintenance Work in Sawmill	
5.1 Saw Doctoring	22
5.2 Types of Tooth Saw	26
5.3 Tooth Spacing 5.4 Anatomy of A Saw Blade	27 28
5.5 Types of Blade Saw	29

Chapter 6: Marketing of Sawn Timber	
6.1 Marketing of Saw Timber	30
6.2 Dimension of Sawn Timber	34
6.3 Price of Sawn Timber	36
Chapter 7: Conclusion and Recommendations	
7.1 Conclusion	37
7.2 Recommendations	38
References	39
**************************************	42
Vita	42

## LIST OF TABLE

Table		Page
1	Number of sawmilling in Malaysia	6
2	Malaysia export sawn timber	31
3	Dimension of softwood lumber	34
4	Dimension of hardwood lumber	35
5	Domestic price of sawn timber	36

#### **ABSTRACT**

#### THE SAWMILL PRACTICES IN MALAYSIA

By

# SYAIFUL HANIF BIN MOHD SAHMAN MUHAMMAD SYAZWAN BIN ROSLI MARCH 2012

Sawmill industry in Malaysia for now, if we are looking such as operation, production, marketing and problem in sawmill can be solved successfully. Among the possible technique is the use of Sawmill Information System (SIS) which can change the old process involved and many more process which depend on the SIS make it easy and more efficient.