POTTENTIAL HERBAL PLANTS SPECIES

NUR ATIQAH BINTI MOHAMAD GHANI

DIPLOMA IN WOOD INDUSTRY UNIVERSITI TEKNOLOGI MARA

MAY 2009

ACKNOWLEDGEMENT

In the name of ALLAH, the most beneficent and merciful, I would like to grate Him upon His willing for me to complete this project paper. Without His graces, I would never been here to finish this task.

Then, I would like to thank a million to my beloved lecturer and advisor, Prof.Madya Abdul Jalil b. Ahmad for his willingness to conduct me in this field. Thank you for your deeds and only Lord can repay it.

The unforgotten, the pillars of my strength; my mum, dad, brothers and sisters. I love thee much. Then, for giving me supports and courage, for helping me much, I just can say thank you for all my friends.

Lastly, for the apple of my eyes who always give me support and strength, thank you a million.

Really I am appreciating thine kindness. May ALLAH bless thine all the ways.

Yours truly,

Setter.

(Nur Atiqah Bt. Mohamad Ghani)

ABSTRACT

POTENTIAL HERBAL PLANT SPECIES

NUR ATIQAH BT. MOHAMAD GHANI

MAY 2009

Since the ancient ages, human used variety of plants species as the source for medications. The Malay society were also not excluded, there are so many floras around us which are potentially used as the remedy by the traditional medical applier. Our country is enriched by biodiversity from species and gen. But when we mention about herbs, people will think about *Tongkat Ali, Kacip Fatimah*, and *Reflessia*. It has been approximately 15,000 species of floras in Malaysia and 8,500 from them are available in peninsular Malaysia. From the quotient, there are about 2,000 species have the therapeutics characteristics and can be used in traditional medication.

In the ancient, foods and remedies were linked and there were so many kinds of plants eaten to make sure their health. For examples, the Ancient Egyptian slaves were given foods that contain garlic to prevent fever. In Britain, herbs were used ages ago and almost every palace was filled by herbals gardens.

TABLE OF CONTENTS

APPROVAL SHEET	I
DEDICATION	II
ACKNOWLEDGEMENT	
LIST OF PLATES	VII
ABSTRACT	VIII
ABSTRAK	IX

CHAPTER 1

1.0 Introduction to herbs	1
1.1 Uses	1
1.2 Culinary herbs	1
1.3 Medical herbs	2
1.4 Religious herbs	3
1.5 Botanical herbs	3
1.6 Objectives	4

CHAPTER 2

2.0 How to prepare herbal remedy	5
2.0. 1Tincture	5
2.0.1 Extract	6
2.0.2 Cataplasm	7

CHAPTER 3

3.0 Active agents in herbs	8
3.0.1 Alkaloid	8

3.0.2 Antioxidant	8
3.0.3 Flavonoid	9
3.0.4 Glycosides	
3.0.5 Mucilage	
3.0.6 Oil	
3.0.7 Organic acids	
3.0.8 Resin	11
3.0.9 Saponin	12
3.0.10 Steroids	12
3.0.11 Tannin	12

CHAPTER 4

4.0 Herbal trees and their functions	15
4.0.1 Angsana	15
4.0.2 Bintangor laut	16
4.0.3 Dukung anak	17
4.0.4 Gaharu	18
4.0.5 Hempedu bumi	19
4.0.6 Kacip Fatimah	20
4.0.7 Kembang semangkuk	21
4.0.8 Mas cotek	22
4.0.9 Medang teja	23
4.0.10 Mengkudu	24
4.0.11 Pakma	25
4.0.12 Paku gajah	26
4.0.13 Pulai	27
4.0.14 Serai kayu	28