Trees and Seedlings Fungi

by

Noor Susilawati bt Mohamad

Final Project Submitted in Partial Fulfillment for the Diploma in Wood Technology, Faculty Applied Science, University technology MARA

TABLE OF CONTENT

Approval Sheet	i
Dedication	ii
Acknowledgement	iii
List of Tables	iv
List of Figures	v
List of Plates	vi
Abstract	viii

~				
•	ho	ni	ter	
	II a	v		

1. INTRODUCTION		
1.1 General		1
1.2 Objectives	ż	3

2. TREES AND SEEDLINGS FUNGI

2.1 Classes of Trees and Seedlings Fungi	4
2.1.1 Ascomycetes	5
2.1.2 Basidiomycetes	9
2.1.3 Deuteromycetes	14
2.1.4 Oomycetes	15

2.2 Identification of Trees and Seedlings Fungi	17
2.3 Diseases of Trees and Seedlings caused by Fungi	19
Some major forest diseases	
Hypoxylon Canker	20
Blister Rust	25
Dutch Elm Disease	27
Root Rot	30
Jarrah Dieback	34
Seedlings Diseases	38

3. PREVENTION AND TREATMENTS

4. CONCLUSION AND RECOMMENDATION

References	47
Appendix	48
Vita	49

46

ACKNOWLEDGEMENT

I wish to thank Prof. Abdul Jalil for his precious assist in completing this project paper. I extend my thanks to my colleagues who provided critical review of the manuscript and suggestions for its improvement.

My thanks go also to my family for their understanding and encouragement through its completion. Special thanks also go to my special someone for his inspiration and support. He gives me courage in the time I needed it the most.

And lastly, to whom it may concern, thank for your cooperation. Your dedication to me is highly appreciated.

ABSTRACT

TREES AND SEEDLINGS FUNGI

By NOOR SUSILAWATI BT MOHAMAD MARCH 2004

This is a study of trees and seedlings fungi. There are four main classes of the fungi, Ascomycota, Deuteromycota, Basidiomycota and Oomycota. There are varieties of diseases cause by fungi. When a tree has a disease, there are many other factors that contribute to stress the tree, thus allowing the disease organisms to enter and spread within the tree. Some major forest diseases are Hypoxylon canker, blister rust, Dutch elm disease, root rot and jarrah dieback. Some of the seedlings diseases are damping off, Fusarium root rots, gray mold, Phytophthora root rots and Rhizina root rots. Good cultural practices and tree care is essential in keeping a strong and healthy trees.