FIGURES

Figure No.	FIGURE DESCRIPTION	Page
		No.
1	Plant carbohydrates and its components	3
2	Schematic diagram of molecular structure of wood	4
3	Terms for position of decay by fungi	9
. 4	Schematic diagram of xylan molecule	23
5	Mode of action of hemicellulases	25
6	Mode of action of xylanases	26
7	Effect of pH on xylanase activity	48
8	SDS PAGE of partially purified xylanase enzyme	53
9	Effect of substrate on xylanase enzyme	55
10	Effect of temperature on xylanase activity	58
11	Effect of pH on xylanase activity	59
12	Effect of carbon source on production of xylanase	62
. 13	SDS-PAGE of purified xylanase from C. asperatum	66
14	Effect of metal ions on xylanase activity	67
15	Structure of starch	70
16	Starch hydrolyzing enzymes	72
17	Effect of substrate concentration on amylase	86
	production	
18	Effect of carbon source on production of amylase	88
19	Effect of nitrogen sources on production of amylase	90
20	Effect of pH on amylase activity	92
21	Effect of temperature on amylase activity	92
22	SDS-PAGE and Native PAGE of purified amylase	95
23	Structure of Penicillin V, G, and Avermectin	102
24	Mode of inhibition of convectional and	104
	antimicrobial peptides	
25	Ehtylacetate fraction against <i>E. coli</i> and <i>B. subtilis</i> .	112
26	Zone of inhibition against <i>P. aeroginosa</i>	115
27	Yellow band observed after spraying with 5%	116
	sulphuric acid	
29	UV spectra of fraction eluted in ethanol	116
30	Histology figures (1-8)	138-
	·	153