

TABLE OF CONTENTS

APPROVAL SHEET	iii
DECLARATION OF AUTHENTICITY.....	iv
SHEET OF DEDICATION.....	v
ACKNOWLEDGEMENTS	vi
PREFACE	viii
TABLE OF CONTENTS.....	ix
LIST OF TABLES	xi
LIST OF FIGURES	xii
ABSTRACT.....	xiii
ABSTRAK.....	xiv
CHAPTER I	1
1.1 Background	1
1.2 Objectives	4
1.3 Advantages of The Study	4
1.4 Scope and Limitation Study	4
CHAPTER II.....	6
2.1 Literature Review	6
2.1.1 The fungus combs	6
2.1.2 Fungus strain and its occurrence of mycotoxin in food	11
2.1.3 Effectivity of Nystatin against <i>A. flavus</i>	16
2.1.4 Treatments against <i>A. flavus</i> and aflatoxin contamination	17
2.1.5 The Kirby-Bauer Disk Diffusion Method.....	20
2.1.6 Microbroth Dilution Method.....	22
2.2 Hypothesis	22
CHAPTER III	23
3.1 Materials and Tools	23
3.1.1 Sample.....	23
3.1.2 Microorganism	24
3.1.3 Media.....	24
3.2 Methods	26

3.2.1	Antifungal susceptibility test of fungus comb extracts	26
3.2.2	Determination of minimum inhibitory concentration (MIC)	27
3.2.3	Determination of minimum fungicidal concentration (MFC).....	28
CHAPTER IV		30
4.1	Identification of Antifungal Activity of Fungus Comb Extracts.....	30
4.2	Determination of MIC and MFC Value	34
CHAPTER V.....		40
5.1	Conclusion.....	40
5.2	Future Study	40
REFERENCES.....		42
APPENDIX		52
1.	Results documentation of susceptibility test.....	52
2.	Results documentation of MIC determination	53
3.	Results documentation of MFC determination	53