

TABLE OF CONTENTS

VALIDITY SHEET	ii
ACKNOWLEDGEMENT	iii
ABSTRACT.....	v
ABSTRAK.....	vi
AUTHENTICITY STATEMENT.....	vii
TABLE OF CONTENTS.....	viii
LIST OF TABLE	x
LIST OF FIGURE.....	xi
CHAPTER I INTRODUCTION.....	1
1.1 Research Background	1
1.2 Research Problems.....	3
1.3 Research Objectives.....	4
1.4 Research Benefits.....	4
1. Theoretical Benefits	4
2. Practical Benefits	4
1.5 Authenticity of Research.....	4
CHAPTER 2 LITERATURE REVIEW	7
2.1 Theoretical Basis.....	7
2.1.1 Citronella Plant	7
2.1.2 Dysmenorrhea	9
2.1.3 Aromatherapy Liniment Preparations.....	15
2.2 Halal Product Analysis.....	18
2.3 Theoretical Framework.....	21
2.4 Conceptual Framework.....	21
2.1 Hypothesis.....	21
CHAPTER 3 RESEARCH METHOD	23
3.1 Research Design.....	23
3.2 Research Period and Location.....	23

3.3	Population and Sample.....	24
3.4	Research Variables.....	25
3.5	Variable Operational Definition.....	25
3.6	Research Materials.....	26
3.7	<i>Ethical Clearance</i>	27
3.8	Eksperimental Procedure	27
3.9	Data Analysis.....	31
3.10	Halal Product Analysis.....	31
3.11	Research Flowchart.....	31
3.12	Research Schedule	32
CHAPTER 4 RESULT AND DISCUSSION		33
4.1	Formulation of Citronella Essential Oil Aromatherapy Liniment Preparations	33
4.2	Quality Evaluation of Citronella Essential Oil Aromatherapy <i>Liniment</i> Preparations.....	35
4.3	Effect of Citronella Essential Oil Aromatherapy Liniment Therapy on Dysmenorrhea Decrease	44
4.4	Halal Analysis of Citronella Essential Oil Aromatherapy Liniment Products..	52
CHAPTER 5 CONCLUSIONS AND SUGGESTION.....		56
5.1	Conclusions.....	56
5.2	Suggestion.....	56
REFERENCES		57

LIST OF TABLE

Table 1 Authenticity of Research.....	4
Table 2 Formulation of Aromatherapy Liniment Aromatherapy Lemongrass Essential Oil (Cymbopogon nardus) in 50 ml	23
Table 3 Variable Operational Definition	25
Table 4 Research Schedule	32
Table 5 Data on Visual Test Results and Stability Test.....	35
Table 6 Homogeneity Test Results of Liniment Preparations and Stability Test Data.....	39
Table 7 Irritation Test Result Data.....	41
Table 8 Data on pH Stability Test Results of Liniment Preparations and their Stability Tests	43
Table 9 Data on the Average Duration of Healing (days) of Dysmenorrhea in Respondents	45
Table 10 Halal Analysis Results of Citronella Essential Oil Aromatherapy Liniment Products	53



LIST OF FIGURE

Figure 1 Citronella plant (<i>Cymbopogon nardus</i>)	8
Figure 2 Menthol structure.....	17
Figure 3 Champor structure	18
Figure 4 Numeric Rating Scale.....	30

