

TABLE OF CONTENTS

ABSTRAK	i
ABSTRACT	ii
VALIDITY SHEET	iii
AUTHENTICITY STATEMENT.....	iv
TABLE OF CONTENTS	vii
TABLE LIST.....	x
FIGURE LIST.....	xi
CHAPTER I INTRODUCTION	1
1.1 Background	1
1.2 Problem Formulation.....	3
1.3 Research Objectives	3
1.4 Research Benefits	3
1.5 Originality of Research.....	4
CHAPTER II LITERATURE REVIEW	6
2.1 Theoretical Foundations	6
1. Red Vine.....	6
2. Extraction	7
3. Rambutan Honey	8
4. Lip Balm.....	10
5. Material Monograph.....	11
2.2 Product Halal Analysis	14
2.3 Theoretical Framework	17
2.4 Conceptual Framework	18

2.5 Hypothesis.....	18
CHAPTER III RESEARCH METHODS	20
3.1 Types and Design of Research	20
3.2 Time and Place of Research	20
3.3 Research Variables	20
3.4 Variable Operational Definition	21
3.5 Research Tools and Materials.....	22
3.6 Research Procedures.....	23
1. Making Red Grape Leaf Simplicia and Plant Determination	23
2. Making Grape Leaf Extract	23
3. Phytochemical Screening Test.....	23
4. Making Lip Balm Preparation Grape Leaf Combination Rambutan Honey	24
5. Physical Quality Test of Lip Balm Preparation Grape Leaf Extract	24
3.7 Data Analysis	26
3.8 Halal Product Analysis.....	26
3.9 Research Flow Diagram	27
3.10 Research Schedule.....	28
CHAPTER IV RESULTS AND DISCUSSION.....	29
4.1 Red Grape Leaf Extract Yield Results.....	29
4.2 Phytochemical Screening	30
4.3 Results of Physical Evaluation of Lip Balm Preparations	33
1. Organoleptic Test	35
2. Homogeneity Test	38

3.	pH Test.....	40
4.	Spread Power Test.....	42
5.	Adhesion Test.....	44
4.4	Halal Analysis of Lip Balm Products Combination of Red Grape Leaf Extract and Rambutan Honey	47
CHAPTER V.....		53
CONCLUSIONS AND SUGGESTIONS.....		53
5.1	Conclusion.....	53
5.2	Suggestion	53
BIBLIOGRAPHY		54
ATTACHMENT		61
Appendix 1 Determination of Red Grape Leaf Plants		61
Appendix 2 Rambutan Honey Analysis Certificate		63
Appendix 3 Formulation Calculation		65
Appendix 4 Calculation of Spread Power.....		67
Appendix 6 Results of Statistical Analysis		68
Appendix 7 Activity Documentation.....		76

TABLE LIST

Table 1 Originality of the Research.....	4
Table 2 Lipbalm Formula.....	20
Table 3 Operational Variable Definition	21
Table 4 Research Schedule	28
Table 5 Phytochemical Screening Results.....	30
Table 6 Organoleptic Test Results Data Before and After Stability	35
Table 7 Results of Homogeneity Test Before and After Stability	38
Table 8 pH Result Data Before and After Stability	40
Table 9 Data on Distributed Power Before and After Stability	42
Table 10 Adhesion Results Data Before and After Stability	45
Table 11 Halal Product Analysis.....	48



FIGURE LIST

Figure 1. Vines.....	7
Figure 2. Rambutan Honey	9
Figure 3. Chemical Structure of Butyl Hydroxytoluene	11
Figure 4. Chemical Structure of Sodium Benzoate.....	12
Figure 5. Chemical Structure of Propylene Glycol.....	13
Figure 6 Chemical Structure of Aquadest.....	14
Figure 7 Theoretical Framework.....	17
Figure 8 Conceptual Framework.....	18
Figure 9 Research Flow Diagram	27
Figure 10 Phenolic and FeCl ₃ reactions	32
Figure 11 Reaction of flavonoids with Mg and HCl metals	33
Figure 12 Aromatic benzene	37

