

TABLE OF CONTENTS

	Page
APPROVAL SHEET.....	ii
ABSTRAK.....	iii
AUTHENTICITY STATEMENT.....	iv
PREFACE.....	v
TABLE OF CONTENTS	ii
LIST OF FIGURES	ix
LIST OF TABLES	x
CHAPTER I	1
INTRODUCTION.....	1
1.1 Background.....	1
1.2 Problem Formulation.....	3
1.3 Research Objective	3
1.4 Research Benefit.....	3
1. Theoretical Benefit.....	3
2. Practical Benefit	3
1.5 Originality of Research.....	3
CHAPTER II.....	6
LITERATURE REVIEW	6
2.1 Theoretical Framework.....	6
1. Mango Plant.....	6
2. Yogurt	7
3. Body Cream Formulation	8
4. Antioxidant	9
5. Material Monograph	10
6. Spectrophotometry UV-VIS	14
2.2 Halal Product Analysis	15
2.3 Theoretical Framework.....	17

2.4 Conceptual Framework.....	17
2.5 Hypothesis.....	18
CHAPTER III	19
RESEARCH METHODE	19
3.1 Type and Reaserch Design.....	19
3.2 Time and Research Place	20
3.3 Research Variables.....	20
3.4 Operational Definition of Variables.....	20
3.5 Research Tools and Materials	22
3.6 Research Procedure.....	22
1. Preparation of Simplisia and Determination of Mango Leaves	22
2. Preparation of Mango Leaf Extract	22
3. Phytochemical Screening	23
4. Body cream Formulation.....	23
5. Evaluation of Body Cream.....	24
Antioxidant Activity Test Using The DPPH Methode	25
3.7 Research Flowchart.....	27
3.8 Data Analysis.....	28
3.9 Halal Product Analysis	28
3.10Research Schedule	29
CHAPTER IV.....	30
RESULT AND DISCUSSION	30
4.1 Plant Determination	30
4.2 Preparation of Mango Leaves Extract (<i>Mangifera indica L. var. arum manis</i>).....	30
4.3 Phytochemical Screening.....	32
4.4 Preparation of Body Cream of Arum Manis Mango leaf extract (<i>Mangifera Indica L. var. arum manis</i>) and yogurt.....	37
4.5 Physical Quality Test of Preparations.....	38
4.6 Antioxidant test.....	47
4.7 Halal Analysis.....	50

CHAPTER V	54
CONCLUSION	54
5.1 Conclusion	54
5.2 Recommendation	54



LIST OF FIGURES

	Page
Figure 1. Mango Plant (<i>Mangifera indica</i> L)	7
Figure 2. Stearic Acid Structure	11
Figure 3. Tween 80 Structure	11
Figure 4. Cetyl alcohol Structure	12
Figure 5. Sodium Benzoat Structure	13
Figure 6. Trietanolamin or TEA.....	13
Figure 7. Glycerin Structure.....	14
Figure 8. Schematic Diagram of Spectrophotometry.....	15
Figure 9. Phenol reaction	33
Figure 10. Flavonoid With Mg reaction.....	34
Figure 11. Flavonol, Mg and HCl reaction	35
Figure 12. Tannin reaction with Mg.....	36

LIST OF TABLES

	Page
Table 1. Originality of Research	4
Table 2. Body cream Formulation.....	19
Table 3. Operational Definition of Variables	20
Table 4. Research Schedule.....	29
Table 5. Extract Yield.....	31
Table 6. Phytochemical screening.....	32
Table 7. Hasil Uji Organoleptik	38
Table 8. pH test result.....	40
Table 9. Homogeneity test result	41
Table 10. Viskosity test result	43
Table 11. Adhesion test result	45
Table 12. Spreadability test result	46
Table 13. Antioxidant test result	48
Table 14. Critical Point of Halal Ingredients.....	51