

TABLE OF CONTENTS

VALIDITY SHEET	ii
ABSTRAK	iii
ABSTRACT	iv
TABLE OF CONTENTS	3
CHAPTER I INTRODUCTION	5
1.4 Research Benefits	8
1.4.1 Theoretical Benefits	8
1.5 Research Authenticity	8
CHAPTER II OVERVIEW	12
2.1 Theoretical Foundation	12
2.1.1 Peach Fruit (<i>Prunus persica</i> (L.))	12
2.1.2 Serum	13
2.1.3 Free Radicals and Antioxidant	15
2.1.4 Skin	18
2.1.5 Antioxidant Activity Testing with DPPH Method	19
2.2 Halal Product Analysis	21
2.3 Theoretical Framework	23
2.4 Conceptual Framework	24
2.5 Hypotesis	25
CHAPTER III RESEARCH METHOD	26
3.1 Types and Design of Research	26
3.2 Time and Place of Research	26
3.3 Variable Research	27
3.4 Definition of Operational Variable	27
3.5 Research Tools and Materials	28
3.6 Research Procedure	28
3.6.1 Simplicity dan Determination	28
3.6.2 Preparation of Peach Extract	29
3.6.3 Identification of Flavonoid Compounds	29
3.6.4 Facial Serum Production	29

3.6.5	Evaluation of The Physical Properties of Facial Serum Preparations	30
3.6.6	Antioxidant Testing of Face Serum Using Peach Fruit Extract with the DPPH Method	31
3.7	Data Analysis.....	32
3.8	Halal Product Analysis.....	32
3.9	Research Flowchart.....	33
3.10	Research Schedule	33
CHAPTER IV RESULT AND DISCUSSION		34
4.1	Determination	34
4.2	Peach Fruit Extraction Result.....	34
4.3	Phytochemical Screening Results (<i>Flavonoid</i>).....	35
4.4	Result of the Formulation of Peach Fruit Extract Face Serum	36
4.5	Result of Physical Quality Evaluation	37
4.5.1	Result Homogeneity Test.....	37
4.5.2	Result Stability Test	38
4.5.3	Result pH Test	40
4.5.4	Result Viscosity Test	42
4.5.5	Results of Spreadability Test.....	43
4.6	Result of antioxidant Activity Analysis, % Inhibition, and IC50 of the Serum Formulation	44
4.7	Data Analysis	46
4.8	Halal Analysis	51
CHAPTER V CLOSING		52
5.1	Conclusion.....	52
5.2	Recommendations	52