

TABLE OF CONTENTS

ABSTRACT	iii
ABSTRAK	iv
ACKNOWLEDGMENT	v
TABLE OF CONTENTS	vii
LIST OF FIGURES	ix
LIST OF TABLES	x
LIST OF ATTACHMENTS	xi
CHAPTER I: INTRODUCTION	1
1.1 The Background of the Study.....	1
1.2 Research Problems	3
1.3 The Objective of the Study.....	3
1.4 The Significance of the Study	3
1.4.1. Theoretical Implications	3
1.4.2. Practical Implications.....	3
1.5 Research Authenticity	3
CHAPTER II: LITERATURE REVIEW	6
2.1 Basic Theory.....	6
2.1.1 Tea Plant.....	6
2.1.2 Extraction	11
2.1.3 Serum Preparation.....	15
2.1.4 Formulation of Face Serum Wajah	18
2.2 Theoretical Framework	24
2.3 Conceptual Framework.....	24
2.4 Hypothesis	25
CHAPTER III: RESEARCH METHOD	26
3.1 Research Design	26
3.2 Research Period and Location	26

3.3	Research Variable.....	27
3.4	Variable Operational Definition.....	27
3.5	Tool and Material Research.....	28
3.6	Research Procedure.....	28
3.6.1	Preparation of Green Tea Simplisia Powder.....	28
3.6.2	Green Tea Extraction.....	28
3.6.3	Phytochemical Screening.....	29
3.6.4	Making Serum Preparations.....	31
3.6.5	Evaluation of Serum Preparation.....	31
3.7	Research Flowchart.....	34
3.8	Research Schedule.....	34
CHAPTER IV: RESULT AND DISCUSSION.....		35
4.1	Extraction and Yield of Green Tea Extract.....	35
4.2	Phytochemical Screening Results of Green Tea Extract.....	36
4.3	Making Serum Preparation.....	40
4.4	Evaluation Results of Green Tea Extract Serum Preparation.....	42
CHAPTER V: CONCLUSION AND SUGGESTIONS.....		49
4.5	Conclusion.....	49
4.6	Recommendation.....	49
REFERENCES.....		50
ATTACHMENT.....		64

LIST OF FIGURES

Figure 1. Tea Plant (<i>Camelia sinensis</i>):	7
Figure 2. Organoleptic Test.....	42
Figure 3. Homogeneity Test.....	44
Figure 4. pH Test.....	45



LIST OF TABLES

Table 1.1 Authenticity Research.....	4
Table 3.1 Serum Preparation Formula Design.....	26
Table 3.2 Variable Operational Definition.....	27
Table 3.3 Research Schedule	34
Table 4.1 Green Tea Leaf Extract Yield Value.....	36
Table 4.2 Green tea extract serum formulation.....	40
Tabel 4.3 Organoleptic Test Results	42
Table 4.4 Homogeneity Test Results	44
Table 4.5 pH Test Result.....	45
Tabel 4.6 Spreadability Test Value.....	46
Tabel 4.7 Viscosity Test Results.....	47



LIST OF ATTACHMENTS

Attachment 1. Green Tea Simplicia Certificate	64
Attachment 2. Documentation of Green Tea Leaf Extract Making	65
Attachment 3. Documentation of Phytochemical Screening of Green Tea Leaf Extract	66
Attachment 4. Formula Calculation	68
Attachment 5. Documentation of Green Tea Extract Serum Preparation	69
Attachment 6. Statistical Analysis Results of Physical Quality Test of Preparations	71

