

## TABLE OF CONTENTS

APPROVAL.....	ii
DECLARATION .....	ii
IDENTITY .....	iv
SUMMARY .....	vi
ABSTRACT.....	viii
ACKNOWLEDGEMENT .....	ix
TABLE OF CONTENTS .....	xi
LIST OF TABLES .....	xiii
LIST OF FIGURES .....	xiv
LIST OF APPENDICES .....	xv
ABBREVIATION AND SYMBOLS .....	xvi
CHAPTER 1 INTRODUCTION .....	1
1.1    Background of Study.....	1
1.2    Research Problems .....	3
1.3    Objective of the Study.....	4
1.4    Significance of Study .....	4
1.5    Theoretical Base .....	4
1.6    Hypothesis .....	6
CHAPTER 2 LITERATURE REVIEW .....	7
2.1    Layer Chicken .....	7
2.1.1    Classification.....	7
2.1.2    Nutritional Needs .....	8
2.1.3    Digestive System.....	9
2.2    Probiotic .....	12
2.2.1    Lactococcus lactis .....	14
2.2.2    Lactobacillus acidophilus.....	15
2.3    Antibiotic Growth Promoter (AGP).....	16
2.3.1    Virginamycin.....	16
2.4    Egg.....	17
2.4.1    Egg Forming .....	18

2.5	Quality of Egg .....	19
2.5.1	Egg Weight.....	19
2.5.2	Haugh Unit (HU).....	21
CHAPTER 3 MATERIALS AND METHOD .....		23
3.1	Research Design .....	23
3.2	Sample and Sample Size .....	23
3.3	Variable .....	23
3.3.1	Independent Variable .....	23
3.3.2	Dependent Variable.....	23
3.3.3	Control Variable.....	24
3.4	Operational Definition Variable.....	24
3.5	Place and Time of Research .....	24
3.6	Research Equipment and Materials .....	25
3.6.1	Research Materials .....	25
3.6.2	Research Equipment.....	25
3.7	Research Procedure .....	25
3.8	Data Analysis .....	29
CHAPTER 4 RESEARCH RESULT .....		30
4.1	Egg Weight Loss .....	30
4.2	Haugh Unit .....	31
CHAPTER 5 DISCUSSION .....		33
5.1	Haugh Unit.....	33
5.2	Egg Weight Loss .....	35
CHAPTER 6 CONCLUSION AND SUGGESTION .....		38
6.1	Conclusion.....	38
6.2	Suggestion .....	38
REFERENCES.....		39
APPENDIX .....		45