



TABLE OF CONTENTS

RATIFICATION PAGE.....	II
TABLE OF CONTENTS	III
LIST OF TABLES.....	VI
LIST OF FIGURES.....	VII
STATEMENT OF ORIGINALITY	VIII
ACKNOWLEDGEMENT	IX
ABSTRACT.....	1
ABSTRAK	2
CHAPTER I INTRODUCTION	3
A. Background	3
B. Research question	5
C. Objectives.....	5
D. Purpose.....	6
a. Main purpose.....	6
b. Specific purpose	6
E. Novelty.....	6
F. Benefits	8
CHAPTER II LITERATURE REVIEW	10



A. <i>Aedes aegypti</i>	10
B. Insecticides	11
C. VGSC gene mutation	12
D. Theoretical framework	15
CHAPTER III RESEARCH METHODOLOGY	16
A. Research design	16
B. Research materials	16
C. Tools	17
D. Study variables	17
E. Operational definition	18
F. Data collection	19
a. Sample collection	19
b. Genetic analysis	20
G. Result analysis	21
H. Research ethics	22
CHAPTER IV	23
RESULTS AND DISCUSSION	23
A. Study Results	23
B. Discussion	25
CHAPTER V	30



CONCLUSION AND RECOMMENDATIONS	30
A. Conclusion	30
B. Recommendations	31
BIBLIOGRAPHY	32
APPENDIX.....	35