

TABLE OF CONTENTS

COVER PAGE	i
ENDORSEMENT PAGE.....	iii
STATEMENT	iv
ABSTRACT	v
BIOGRAPHY	vi
PREFACE	vii
TABLE OF CONTENTS	ix
FIGURES LIST	xi
TABLE LIST	xii
APPENDICES LIST	xiii
CHAPTER I INTRODUCTION.....	1
A. Background	1
B. Problem Statement.....	4
C. Research Objective.....	4
D. Research Benefit	4
CHAPTER II LITERATURE REVIEW	5
A. Tanaman Sawi (Brassica Juncea L.)	5
B. Plutella xylostella L.....	7
C. Biopesticides.....	9
D. Solvent Types	12
E. Extract Preparation	14
F. Research Framework.....	15
G. Hypothesis.....	18
CHAPTER III RESEARCH METHODS.....	19
A. Place and Time	19

B. Tools and Materials	19
C. Research Methods	19
D. Research Implementation.....	20
E. Observation Parameters.....	23
F. Data Analysis	25
CHAPTER IV RESULTS AND DISCUSSION	26
A. Result.....	26
1. Mortality of <i>Plutella xylostella</i> L.	26
2. Percentage of Pupae and Imago Formed.....	28
3. Time Needed for 3rd Instar Larvae to Become Pupa and Imago	29
4. Mortality Rate Calculation	30
B. Discussion.....	30
CHAPTER V CONCLUSIONS AND SUGGESTIONS	35
A. Conclusions	35
B. Suggestion	35
BIBLIOGRAPHY	36
APPENDICES	41