



**EFFECT OF PAPAYA (*Carica papaya*) AND AMPALAYA
(*Momordica charantia* LEAF ETHANOLIC EXTRACT
ON THE OVICIDAL ACTIVITY OF *Ascaris suum***

A Special Problem Presented to

Biological Sciences Department

College of Science

De La Salle University - Dasmariñas

Dasmariñas, Cavite

In Partial Fulfilment of the Requirements

For the Degree of Bachelor of Science in Medical Biology

CAMILLE MARIE C. FACTUAR

ELENIE CLARISSE R. IGNACIO

April 10, 2012



ABSTRACT

The Pork Producers Federation of the Philippines, Inc. conducted a hog analysis that showed high rate of diseases on their swine production is one of the major identified constraints on the industry. It was seen that Ascariasis and its effect on the quality and safety of meat intake of the consumers is included in this predicament. Many plants have been used in the treatment of the said disease throughout the world. In this study the effect of papaya (*Carica papaya*) and ampalaya (*Momordica charantia*) leaf extracts were tested using the egg hatch assay method. The effectiveness of these plant extracts were measured depending on their inhibitory effect on the ovicidal activity of *A. suum* ova. The hatched and unatched eggs of *A. suum* were monitored; and based on the results of the experimentation. The leaf extract of *C. papaya* showed no significant difference on the effect of positive control used, Mebendazole. While ampalaya showed little or no inhibition on the ovicidal activity of *A. suum* ova.



TABLE OF CONTENTS

Title Page	01
Acknowledgments	02
Table of Contents	05
CHAPTER 1 INTRODUCTION	
1.1 Background of the Study	07
1.2 Conceptual (<i>or Theoretical</i>) Framework	09
1.3 Statement of the Problem	09
1.4 Scope and Limitations	10
1.5 Significance of the Study	11
1.6 Definition of Terms	12
CHAPTER 2 LITERATURE REVIEW	
2.1 Conceptual Literature	13
2.2 Related Studies	19
CHAPTER 3 METHODOLOGY	
3.1 Research Design	22
3.2 Research Setting	22
3.3 Research Procedure	23
3.4 Data Gathering and Statistical Analysis	24



CHAPTER 4 RESULTS AND DISCUSSION

4.1 Results 25

4.2 Discussion 26

CHAPTER 5 CONCLUSION AND RECOMMENDATIONS

5.1 Conclusion 31

5.2 Recommendation 31

Cited References 32

Appendices

A. Raw Data and Statistics 35

B. Standard Procedure 38

C. Photo documentation 41

D. Curriculum Vitae 47

aspire