GROWTH PERFORMANCE OF *Macrobrachium rosenbergii* (DE MAN, 1879) FED WITH VERMIMEAL

by

LINDSAY STAR A. DACANAY

An Undergraduate Thesis presented to the faculty of the College of Fisheries
In partial fulfilment of the requirements for the degree of

BACHELOR OF SCIENCE IN FISHERIES

COLLEGE OF FISHERIES
CENTRAL LUZON STATE UNIVERSITY
Science City of Muñoz, Nueva Ecija

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LINDSAY STAR A. DACANAY

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDIX TABLES

LIST OF APPENDIX FIGURES

GROWTH PERFORMANCE OF *Macrobrachium rosenbergii* (DE MAN, 1879) FED WITH VERMIMEAL[1/]

ABSTRACT

A 42-day feeding experiment was conducted in circular tanks to evaluate the potential use of vermimeal as a protein source in practical diets for the post-larvae of *Macrobrachium rosenbergii*. The study consisted of three treatment, namely: Treatment I commercial feed (control); Treatment II-Vermimeal and Treatment III-fishmeal. All experimental diets contained approximately 31 % crude protein. Results of the study revealed that *M. rosenbergii* fed with fishmeal had significantly better growth than those fed with commercial feed and vermimeal. However, *M. rosenbergii* fed with vermimeal had significantly better growth compared to those fed with commercial. Survival rate of *M. rosenbergii* in all treatment were comparable. Results of the study suggests that vermimeal can be a potential source of protein for rearing *M. rosenbergii*.

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