

**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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**APPROVED:**

  
RODORA M. BARTOLOME

Adviser

6/19/17


Date

  
REMEDIOS B. BOLIVAR

Critic

Date

**NOTED:**

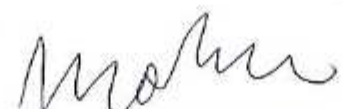
  
KARL MARX A. QUIAZON

Department Chairperson

6/21/17

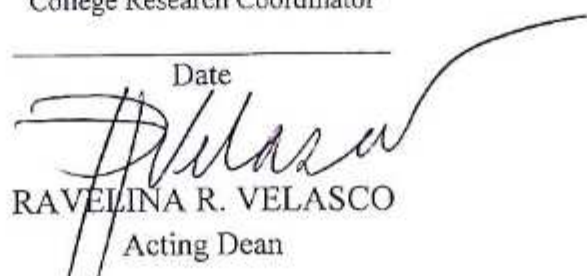
Date

**RECORDED:**

  
REMEDIOS B. BOLIVAR  
College Research Coordinator

Date

**ACCEPTED:**

  
RAVELINA R. VELASCO  
Acting Dean

Date

## BIOGRAPHICAL DATA



### Personal Data

Name	Lindsay Star A. Dacanay
Birthday	June 24, 1996
Birth Place	Manila
Address	178 Prudencio St., Sampaloc, Manila
Parents	Leonie Q. Dacanay and Sylvia A. Dacanay

### Educational Attainment

Elementary	Pio Del Pilar Elementary School Pureza Extension, Manila
Secondary	Victorino Mapa High School Mendiola, Manila
Tertiary	Central Luzon State University Science City of Muñoz, Nueva Ecija

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**LINDSAY STAR A. DACANAY**

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**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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