

**FIELD PRACTICE REPORT ON THE GUT CONTENT ANALYSIS OF THE
SEA URCHIN (*Tripneustes gratilla*) IN THE INVERTEBRATES
LABORATORY OF THE UNIVERSITY OF THE
PHILIPPINES – MARINE SCIENCE
INSTITUTE, DILIMAN,
QUEZON CITY**

By

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**Department of Aquatic Resources Ecology and Management
COLLEGE OF FISHERIES
CENTRAL LUZON STATE UNIVERSITY
Science City of Muñoz, Nueva Ecija
Philippines**

2018

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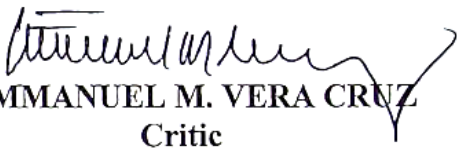
**Undergraduate Field Practice Report presented to the faculty
of College of Fisheries, Central Luzon State University
in partial fulfillment of the requirements for the degree**

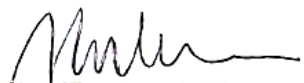
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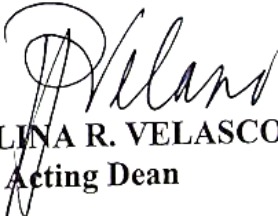

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2018

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EXECUTIVE SUMMARY

The main activity of the author in the field practice was about the analysis of the gut contents of the sea urchin (*Tripneustes gratilla*) at the University of the Philippines-Marine Science Institute (UP – MSI) in Quezon City and Bolinao Marine Laboratory (BML) at Pangasinan which lasted for 6 weeks on June 15, 2016 to July 27, 2016.

The UP – MSI was directed by Dr. Fernando Siringan, while the laboratory was headed by Dr. Antonette J. Meñez. The author was supervised by Ms. Helen Grace P. Bangi, a PhD student at UP – MSI under Dr. Meñez.

For the focus of the field practice, the author had the gut separated from the contents, blot-dried the gut, weighed and recorded the weight of the guts. The gut contents which are soaked in formalin were placed in small petri plates with grids and were carefully examined under a dissecting microscope. Each of the contents were identified, counted with the use of tally counter and laptop and were recorded in the record book. The author also had other activities undertaken, namely; evaluation of somatic growth of *T. gratilla*, the culture of *Chaetoceros calcitrans*, and the induced spawning of *T. gratilla*.

The strengths and weaknesses of were observed by the author throughout the duration of the field practice.

^{1/}Undergraduate Field Practice Report presented in the partial fulfilment of the requirements for graduation with the degree of Bachelor of Science in Fisheries. Prepared at the Department of Aquaculture, College of Fisheries, Central Luzon State University under the supervision of Dr. Remedios B. Bolivar.

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