

**ASCARIDOID NEMATODES IDENTIFICATION INFECTING CARNIVOROUS  
MARINE FISHES MARKETED IN MARIVELES, BATAAN, PHILIPPINES**

by

**YNNA CZHELEECKA SANTIAGO FRANE**

An Undergraduate Thesis Proposal presented to the faculty of 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 Munoz, Nueva Ecija  
Philippines

**2017**



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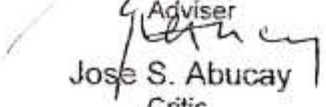
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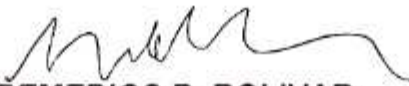
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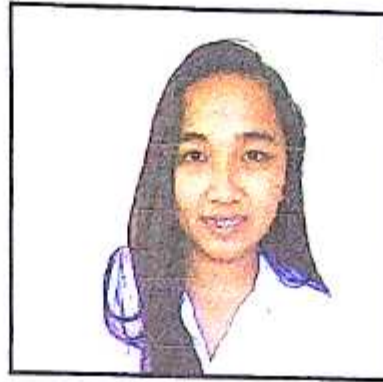
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## ACKNOWLEDGEMENTS

First and foremost, the author wants to thank our Lord God Almighty for giving her every single thing she needed all through the process.

The author would also like to express sincere gratitude to her adviser, Dr. Karl Marx A. Quiazon for his continuous support, patience, motivation, enthusiasm and immense knowledge. Her guidance was indeed a big factor in completing this manuscript.

To her critic, Dr. Jose S. Abucay and to the College Research Coordinator, Dr. Remedios B. Bolivar, for their comments and suggestions for the improvement of this paper.

To all her roommates: Ella, Jenna, Andrea and Girlie who motivates and pushes her everyday to write.

To her bestfriends: Melissa, Armina, Meryl, Richmae, Rommel, Judith and Diosa for their support, to her weekend buddies: Jonah, Lalaine, April, Carlo, Gelo, Rhence, Juju and Angelo, to her classmates, to her AC family, to her dormmates, to her older sisters by heart: Ate Jem, Ate Joan and Ate Jane, to her Dorm 4 (Darlene, Raizza, Joy Camille, Juday, Maiza, Ate rona and Ate Ara) and roommates in Dorm 7 (Dyan, Heide, Shasha, Jade and Aulens). to Ruth, to Bill, to those names are not written but not forgotten and to him, thank you for all the help it is greatly appreciated.

To her younger sister Keihla, her brothers Paolo and Ken, her cousins Maizza, Ayesha, Fiel, Zaipher, Isiah, Fernanda, Jepoy, Jason, Cathy and Ella, to her Aunt Edith

and Uncles and Grandfather Juanito thank you for the love and for their confidence in her.

Lastly, to her mother Victoria, for all the support, for her understanding and encouragement, for standing by her side when no one was and for giving her strength to reach for the stars and chase her dreams.

**YNNA CZHELEECKA S. FRANE**

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# ASCARIDOID NEMATODES IDENTIFICATION INFECTING SELECTED MARINE FISHES MARKETED IN MARIVELES, BATAAN, PHILIPPINES<sup>17</sup>

## ABSTRACT

The study was conducted in Mariveles, Bataan. The study aimed to identify and to determine the prevalence, intensity and abundance of ascaridoid nematodes infecting marine fishes marketed in Mariveles, Bataan. Sampling was done in the month of April 2017.

A total of 183 out of 909 nematodes were morphologically identified. The infection of nematodes regardless of genus showed that the Japanese scad, mackerel scad and hairtail had the highest prevalence followed by obtuse barracuda, short mackerel, bullet tuna, strongspine silver-biddy, Striped ponyfish, Karut croaker, Silver sillago, Yellowback seabream, Jarbua terapon and Japanese threadfin bream. For the intensity, Japanese scad was the highest followed by the mackerel scad, hairtail, short mackerel, bullet tuna, strongspine silver-biddy, striped ponyfish, karut croaker, silver sillago, yellowback seabream, Jarbua terapon and Japanese threadfin bream. Regarding the abundance, Japanese scad was the highest followed by mackerel scad, hairtail, short mackerel, Jarbua terapon, Bullet tuna, Yellowback seabream, Strongspine silver-biddy, striped ponyfish, karut croaker, Japanese threadfin bream, silver sillago and the lowest was obtained in obtuse barracuda.

Infection of nematodes with regards of the genus *Anisakis*, *Hysterothylacium*, *Terranova* and *Raphidascaris* was recorded to have the highest prevalence, intensity and abundance in Japanese scad but differ in *Anisakis* as shown by hairtail, in *Rhapidascaris* as shown by yellowback seabream, in *Hysterothylacium* as shown by mackerel scad and in *Terranova* as shown by striped ponyfish.

The result of this study could be helpful to future ecological studies such as stock assessment and biological tagging. This may also be a guide in the proper handling and processing of the fish species included in this study.

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<sup>17</sup>Undergraduate thesis presented to the faculty of College of Fisheries, Central Luzon State University in partial fulfillment of requirements for the degree of Bachelor of Science in Fisheries. Prepared under Department of Aquaculture, College of Fisheries under the supervision of Dr. Karl Marx A. Quiazon.

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