

Survey of Aquatic Bugs Found in Mt. Palay-Palay / Mataas Na Gulod

National Park, Ternate Cavite

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ABSTRACT

NAME OF INSTITUTION : De La Salle University – Dasmariñas

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TITLE: Survey of Aquatic Bugs Found in Mt. Palay-Palay / Mataas na Gulod
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OBJECTIVES OF THE STUDY:

A. GENERAL: This study was designed to determine the different aquatic bugs that are found in Palicpican River of Mt. Palay-Palay / Mataas na Gulod National Park Ternate, Cavite.

B. SPECIFIC: The study aimed to answer the following questions:

1. What are the different aquatic bugs found in Mt. Palay-Palay / Mataas na Gulod National Park Ternate, Cavite?
2. What are the most abundant aquatic bugs found in Mt. Palay-Palay / Mataas na Gulod National Park Ternate, Cavite?

SCOPE AND COVERAGE: The coverage of the study focused on the survey of aquatic bugs found in Mt. Palay-Palay / Mataas na Gulod National Park Ternate, Cavite.

METHODOLOGY:

Research Design: This study was a survey of aquatic bugs found in Mt. Palay-Palay / Mataas na Gulod, with their respective distribution, classification, identification and habitat.

Research Setting: Mt. Palay-Palay / Mataas na Gulod is approximately within the geographic coordinates of 14°12' to 14°17' north latitude and 120°38' to 120°42' east longitude.

The slope of the area is characterized as rolling to moderately slope and in some portion, steep to generally steep. The elevation ranges from 20 to 648 m above sea level. It is drained by tributaries at Palicpican River, Cayapas, Cacabay, Mamba, and Pinagsanhan Rivers.

Research Procedure: Aquatic nets were used in collecting aquatic bugs. After the collection, the aquatic bugs were killed by dropping them directly into 70 to 80% ethyl alcohol where they could be stored indefinitely. A preservation was done by mounting them on insect pins. The aquatic bugs were classified according to their taxonomic accounts.

MAJOR FINDINGS: Based on the survey conducted, there were 7 species of aquatic bugs collected in Palicpican River in Mt. Palay-Palay / Mataas na Gulod Ternate, Cavite. The species collected were identified as *Limnometra* species, *Metrocoris luzonicus*, Polhemus, *Tenagogonus* species, *Rhagovelia* species, *Cercotmetus brevipes*, Montandon, *Enithares* species and *Hydrometra* species.

CONCLUSION: From the foregoing results, conclusion can be drawn that the family Gerridae had the highest number of species representative, while the least number of species representative is family Hydrometridae.

RECOMMENDATIONS: The following are suggested to further study of aquatic bugs in Mt. Palay-Palay / Mataas na Gulod National Park:

1. A monthly collection of aquatic bugs should be done in a span of one year, in order to determine the pattern of abundance and distribution of different species of aquatic bugs.
2. The researchers recommend to have a further study of aquatic bugs in the other rivers of the study area.

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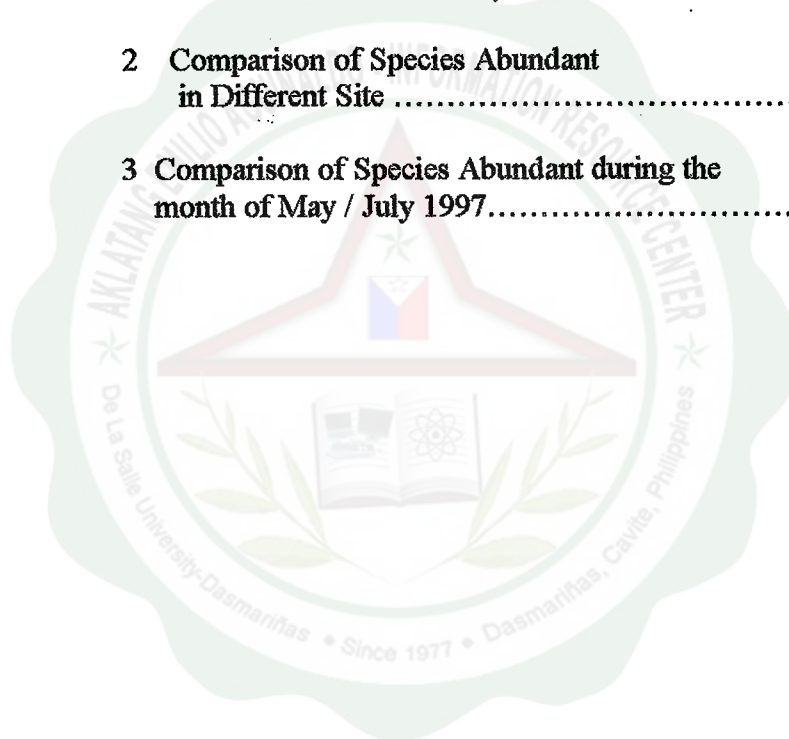
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