

**MORPHOLOGICAL CHARACTERIZATION AND MOLECULAR PROFILING  
OF WILD MACROFUNGI IN MT. SAWI, BARANGAY MALINAO,  
GABALDON NUEVA ECIJA PHILIPPINES**

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An Undergraduate Thesis Submitted to the Faculty of the Department of Biological  
Sciences, College of Arts and Sciences, Central Luzon State University,  
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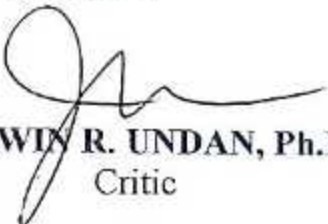
## ACCEPTANCE SHEET

This undergraduate thesis entitled "MORPHOLOGICAL CHARACTERIZATION AND MOLECULAR PROFILING OF WILD MACROFFUNGI IN MT. SAWI, BARANGAY MALINAO, GABALDON NUEVA ECIJA" prepared and submitted by **KRESTA MARIE J. PADILLA**, in partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN BIOLOGY**, is hereby accepted.

  
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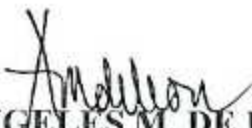
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## ABSTRACT

**PADILLA, KRESTA MARIE J.**, Department of Biological Sciences, College of Arts and Sciences, Central Luzon State University, Science City of Munoz, Nueva Ecija, Philippines, **JUNE 2018, MORPHOLOGICAL CHARACTERIZATION AND MOLECULAR PROFILING OF WILD MACROFUNGI IN MT. SAWI, BARANGAY MALINAO, GABALDON NUEVA ECIJA PHILIPPINES**

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Philippines is one of the mega biodiverse countries in the world that harbor different species of flora and fauna. Most of the species are still in the wilderness which are being threatened by climate change, injudicious collection by the local people and change of habitat. Therefore, this study was conducted to document the diversity of macrofungi found in Mt. Sawi Barangay Malinao, Gabaldon, Nueva Ecija in order to provide additional molecular information for more sustained research efforts for wild macrofungi.

There were nineteen (19) collected macrofungi found in the area and fourteen (14) of them were molecularly identified. The identified mushrooms belong to six (6) families, eight (8) genera and fourteen (14) species. The different mushrooms that were molecularly identified include *Coprinellus aureoannulatus* (99%), *Cymatoderma elegans* (99%), *Pleurotus djamor* (98%), *Cymatoderma caperatum* (98%), *Coprinellus disseminatus* (98%), *Coprinellus xanthothrix* (98%), *Pycnoporus coccinea* (99%), *Trichaptum bifforme* (95%), *Trametes hirsuta* (100%) identity, *Schizophyllum commune* (100%), *Pycnoporus sanguineus* (100%), *Trametes elegans* (100%), *Microporus xanthopus* (98%) and *Trametes cubensis* (98%) identity.

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