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

KRESTA MARIE J. PADILLA

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ACCEPTANCE SHEET

This undergraduate thesis entitled "**MORPHOGICAL 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.

RICH MILTON R. DULAY, M.Sc.
Adviser

6/7/18
Date Signed

JERWIN R. UNDAN, Ph.D.
Critic

6-7-18
Date Signed

RICH MILTON R. DULAY, M.Sc.
Department Research Coordinator

6/7/18
Date Signed

Accepted as partial fulfillment of the requirements for the degree of **BACHELOR OF SCIENCE IN BIOLOGY.**

ANGELES M. DE LEON, Ph.D.
Chair, Department of Biological Sciences

6-7-18
Date Signed

RICH MILTON R. DULAY, M.Sc.
College Research Coordinator

6/7/18
Date Signed

EVARISTO A. ABELLA, Ph.D.
Dean, College of Arts and Sciences

Date Signed

BIOGRAPHICAL SKETCH

The author's name is Kresta Marie J. Padilla and she is a 21-year-old Biology student from Brgy. Pinamalisan, Gabaldon, Nueva Ecija. She was born on August 14, 1996 in Doctors Hospital, Cabanatuan City, Nueva Ecija. She is a born again Christian. Youngest among four siblings of Mr. Adriano O. Padilla and Mrs. Juanita J. Padilla. Currently residing in Osmeña- CLSU Site, Bantug, Science City of Muñoz.

She took her primary education at Saint Stephen Academy from 2003-2004 and San Vicente Elementary School from 2004-2009 in Brgy. San Vicente, Laur Nueva Ecija. She finished her secondary education at Bongabon Essential School located at Brgy. Sinipit Bongabon, Nueva Ecija from school year 2009-2013. She obtained her tertiary education with a degree Bachelor of Science in Biology at the Department of Biological Sciences, College of Arts and Sciences, Central Luzon State University from 2013-2018 in Science City of Muñoz, Nueva Ecija.

She was a Secretary of Biology Supreme Student Council from 2016-2017 and currently a member of a student organization named Lakas Angkan Student Organization since 2015. She completed her on-the-job training at Philippine Rice Research Institute (PhilRice), Brgy. Maligaya, Science City of Muñoz, Nueva Ecija.

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ABSTRACT

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Adviser: RICH MILTON R. DULAY, M.Sc

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 aureogranulatus* (99%), *Cymatoderma elegans* (99%), *Pleurotus djamor* (98%), *Cymatoderma caperatum* (98%), *Coprinellus disseminatus* (98%), *Coprinellus xanthothrix* (98%), *Pycnoporus coccinea* (99%), *Trichaptum biforme* (95%), *Trametes hirsuta* (100%) identity, *Schyzophyllum commune* (100%), *Pycnoporus sanguineus* (100%), *Trametes elegans* (100%), *Microporus xanthopus* (98%) and *Trametes cubensis* (98%) identity.

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