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**UNIVERSITY OF THE PHILIPPINES**

**Master of Science in Biology**

**Juan D. Cruz**

*Population genetic structure of the Philippine native catfish, *Clarias macrocephalus*, and its implications for conservation and management*

Thesis Adviser:

**Jonas P. Quilang, Ph.D.**

**Institute of Biology**

**University of the Philippines Diliman**

Date of Submission

1 June 2015

Thesis Classification:

**I**

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Institute of Biology  
College of Science  
University of the Philippines  
Diliman, Quezon City

### ENDORSEMENT

This is to certify that this undergraduate thesis entitled **Population Genetic Structure of the Philippine Native Catfish, *Clarias macrocephalus*, and its Implications for Conservation and Management** prepared and submitted by Juan David Cruz in partial fulfillment of the requirements for the degree of Bachelor of Science in Biology, is hereby accepted.

JONAS P. QUILANG, Ph.D.  
Thesis Adviser

LILLIAN JENNIFER V. RODRIGUEZ, Ph.D.  
Thesis Reader

The Institute of Biology endorses acceptance of this master's thesis as partial fulfillment of the requirements for the degree of Master of Science in Biology.

IAN KENDRICH C. FONTANILLA, Ph.D.  
Director  
Institute of Biology

The master's thesis is hereby officially accepted as partial fulfillment of the requirements for the Degree of Master of Science in Biology.

GIOVANNI A. TAPANG, Ph.D.  
Dean, College of Science

POPULATION GENETIC STRUCTURE OF THE PHILIPPINE  
NATIVE CATFISH, *CLARIAS MACROCEPHALUS*, AND ITS  
IMPLICATIONS FOR CONSERVATION AND MANAGEMENT

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JUNE 2015

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