NURSING PERFORMANCE OF CATFISH FRY (*Clarias gariepinus*) FED WITH ARTIFICIAL DIET ENHANCED WITH COMMERCIAL PROBIOTICS

By

VICENTE JUMAQUIO SALAMAT

An Undergraduate Thesis presented to the faculty of the College of Fisheries in partial fulfillment of the requirements for the degree of

BACHELOR OF SCIENCE IN FISHERIES

Department of Aquaculture
COLLEGE OF FISHERIES
CENTRAL LUZON STATE UNIVERSITIES
Science City of Munoz, Nueva Ecija, Philippines

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VICENTE J. SALAMAT

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDIX TABLES

LIST OF APPENDIX FIGURES

NURSING PERFORMANCE OF CATFISH FRY (*Clarias gariepinus*) FED WITH ARTIFICIAL DIET ENHANCED WITH COMMERCIAL PROBIOTICS[1/]

ABSTRACT

This study was conducted to compare the performance of African catfish fry (*Clarias gariepinus*) fed with tilapia viscera enhanced with probiotics from yakult and yogurt. The treatments used were: T1-African catfish fry fed with fry booster; T2- African catfish fry fed with tilapia viscera +20% of cornstarch; T3- African catfish fry fed with tilapia viscera with 10% yakult and T4- African catfish fry fed with tilapia viscera with 10% Yogurt.

Twelve circular concrete tanks (1m in diameter and 18 cm in height) were used in the study. Each tank was stocked with 100 pieces, ten day old African catfish fry acquired from Phil-Fishgen, Freshwater Aquaculture Center (FAC). The experiment was carried out for the duration of 21 days.

Statistical analysis revealed that catfish fry in T2, T3, and T4 had significantly higher total length, final weight, absolute growth rate and specific growth rate than T1. However, survival rate of catfish fry in all treatments were comparable.

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