NURSING OF AFRICAN CATFISH (*Clarias gariepinus*) FRY FED WITH COMBINATIONS OF COMMERCIAL DIET SNAIL MEAL AND FISH OFFAL

by

JOEL H. DE GUZMAN

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 UNIVERSITY
Science City of Muñoz, Nueva Ecija

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JOEL H. DE GUZMAN

TABLE OF CONTENTS

LISTS OF TABLES

LIST OF FIGURES

LIST OF APPENDIX TABLE

LIST OF APPENDIX FIGURES

NURSING OF AFRICAN CATFISH (*Clarias gariepinus*) FRY FED WITH COMBINATIONS OF COMMERCIAL DIET SNAIL MEAL AND FISH OFFAL

ABSTRACT

The study was conducted to compare the performance of African catfish (*Clarias gariepinus*) fed with combinations of golden apple snail and fish offal meal. The treatments evaluated were: T1- African catfish fry fed with 80% fish meal + 20% cornstarch; T2- African catfish fry fed with 60% fishmeal + 20% snail meal+ 20% cornstarch; T3- African catfish fry fed with 60% fishmeal + 20% offal meal+ 20% cornstarch; T4- African catfish fry fed with 40% fish snail meal + 40% snail meal + 20 % cornstarch. Cornstarch served as the binder of the feed. Each treatment was replicated thrice.

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

Results showed that the fry in T3 had the best performance in term of final length, final weight, absolute and specific growth rates. For the survival rate the T2 had the best performance.

Statistical analysis revealed that the African catfish fry in T3 had significantly higher total length, final weight, absolute growth rate, and specific growth rate than the fry fed in T1, T2 and T4.

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