

**EFFECT OF DIFFERENT BACKGROUND COLORS OF THE ARTIFICIAL
INCUBATOR ON THE HATCHING PERFORMANCE OF THE
EGGS OF NILE TILAPIA (*Oreochromis niloticus* L.)**

by

STEPHANIE A. ESPIRITU

An undergraduate thesis submitted 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 Aquatic Resources, Ecology and Management
COLLEGE OF FISHERIES
Central Luzon State University
Science City of Muñoz, Nueva Ecija
Philippines

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CENTRAL LUZON STATE UNIVERSITY
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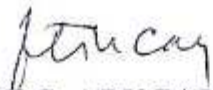
By

STEPHANIE ABRAJANO ESPIRITU

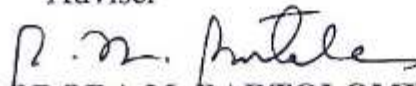
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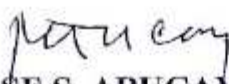

JOSE S. ABUCAY
Adviser

01 - 24 - 19
Date


RODORA M. BARTOLOME
Critic

01 - 24 - 19
Date

NOTED:


JOSE S. ABUCAY
Department Chairperson

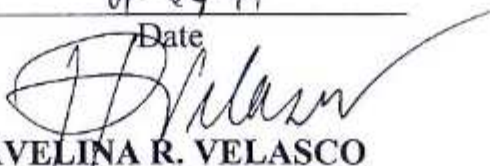
01 - 24 - 19
Date

RECORDED:


LORENZ J. FAJARDO
College Research Coordinator

01 - 24 - 19
Date

ACCEPTED:


RAVELINA R. VELASCO
Dean

01 - 24 - 19
Date

BIOGRAPHICAL DATA



Personal Data

Name	Stephanie Abrajano Espiritu
Birthday	December 26, 1995
Birth Place	Muñoz, Nueva Ecija
Address	Purok Centro, Barangay Bical, Science City of Muñoz, Nueva Ecija
Parents	Mr. Orlan P. Espiritu Mrs. Loreta A. Espiritu

Educational Attainment

Elementary	Muñoz North Central School Science City of Muñoz, Nueva Ecija
Secondary	Muñoz National High School Science City of Muñoz, Nueva Ecija
Tertiary	Central Luzon State University Science City of Muñoz, Nueva Ecija

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ABSTRACT

The study evaluated the effect of different background colors of artificial incubator on the hatching rate of Nile tilapia eggs. The study had five treatments with three replicates namely: Treatment I – Transparent (Control), Treatment II – Blue, Treatment III – Green, Treatment IV – Black, Treatment V – Red. Average weight and survival of fry were likewise determined after a week of stocking in hapa.

The results of the study showed that Nile tilapia (*Oreochromis niloticus*) eggs in Treatment IV had the highest hatching rate during artificial incubation while Treatment III and Treatment V had the highest survival rate and average weight of fry, respectively, in hapa after one week. However, analysis of variance revealed that hatching rate, average weight and survival of fry were comparable.

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