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
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Science City of Muñoz, Nueva Ecija
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STEPHANIE ABRAJANO ESPIRITU

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EFFECT OF DIFFERENT BACKGROUND COLORS OF THE ARTIFICIAL INCUBATOR ON THE HATCHING PERFORMANCE OF THE EGGS OF NILE TILAPIA (*Oreochromis niloticus* L.) [1]

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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