

**COMPARISON OF GROWTH AND SURVIVAL OF NILE TILAPIA  
(*Oreochromis niloticus* L.) FRY USING DIRECT AND INDIRECT  
STOCKING IN PONDS**

by

**JEMIMAH ANN T. TORRADO**

An undergraduate Thesis presented to the faculty of the College of Fisheries in partial  
fulfilment of the requirements for the degree of

**BACHELOR OF SCIENCE IN FISHERIES**

**COLLEGE OF FISHERIES  
CENTRAL LUZON STATE UNIVERSITY  
Science City of Munoz, Nueva Ecija  
Philippines**

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*“Commit to the LORD whatever you do, and He will establish your plans”*

*Proverbs 16:3*

**JEMIMAH ANN T. TORRADO**

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**ABSTRACT**

The objective of the study was to compare the growth and survival of tilapia (*Oreochromis niloticus*) fry using direct and indirect stocking in ponds. The study had two treatments which were replicated three times. The treatments were as follows: I-Direct Stocking and II-Indirect Stocking.

The result of the study revealed that the tilapia fry stocked directly on the pond had the highest growth compared to the tilapia fry stocked indirectly on the hapa. Highest percentage survival of the study was observed in Treatment II, however, analysis of variance of the two treatments did not show significant differences.

Based on growth and survival of tilapia fry, it is concluded that either direct or indirect stocking strategies is good and effective. However, if direct stocking is used, it will have higher growth but lower survival and if indirect stocking will be used, it will have lower growth but higher survival.

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