

A COMPARISON ON THE EFFECT OF LIGHT ON MELANOPHORE
DIFFERENTIATION ON THE LARVAL STAGE OF FROG,
IYLA SP.

by

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An Undergraduate Thesis
Presented to
the Division of Biological Sciences
College of Arts and Sciences
University of the Philippines in the Visayas
Miag-ao, Iloilo

In Partial Fulfillment
of the Requirements in Biology 200
(Undergraduate Thesis)

March 1996

ABSTRACT

Three set-ups were exposed to different experimental conditions namely: set-up A. under prolonged light; set-up B. under prolonged darkness; set-up C. under normal condition. Observation was done under the dissecting microscope from the first appearance of melanophores until the migration was stabilized. The pattern of differentiation was observed to be the same in all set-ups, only the distribution and the color intensity differed. B was the darkest and C was the lightest. It only showed that light could not alter the pattern of melanophore differentiation, only the distribution.