

4000008492

HADIAH



EFFECTS OF OVAPRIM DOSAGE TO INDUCE SPAWNING OF MARBLE

GOBY, *Oxyeleotris marmoratus*

CHAI KEIN LUNG

**THIS DISSERTATION IS SUBMITTED IN PARTIAL FULFILLMENT OF
THE REQUIREMENTS FOR THE BACHELOR OF SCIENCE WITH
HONOURS**

PERPUSTAKAAN
UNIVERSITI MALAYSIA SABAH

**AQUACULTURE PROGRAMME
SCHOOL OF SCIENCE AND TECHNOLOGY
UNIVERSITI MALAYSIA SABAH**

MARCH 2006



ABSTRACT

The experiment was conducted to improve the hormone injection technique of Marble goby, *Oxyeleotris marmoratus* by using Ovaprim. Totally six experiments were conducted by injecting different dosages of Ovaprim to 6 pairs of broodfish. The first dosages being used was injected 0.5 mlkg^{-1} of Ovaprim to both male and female broodfish by followed the recommended dosage by Syndel International Inc. Each pair of the broodfish was allowed to spawn naturally after Ovaprim injection. The body weight of females used ranged from 419.6g to 773.0g. For male broodfish, the body weight used ranged from 577.2g to 974.6g. The results suggest that the most efficient dosage of Ovaprim is injected 0.5 mlkg^{-1} for male and 1.5 mlkg^{-1} for female broodfish.

