

Pemacuan kematangan Gonad Induk Rajungan (*Portunus pelagicus*) dengan Sumber Pakan yang Berbeda

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Abstrak

This study has been carried out at the Research Institute for Mariculture, Gondol, Bali. The purpose of this experiment is to find out the effects of various fresh feed on gonadal maturation of swimming crab broodstock (*Portunus pelagicus*) with shorter period to attain zoea stage and better quality. The experimental animals used were swimming crab broodstock obtained from Gilimanuk sea, Bali with carapace width : 12.5 - 15.0 cm. and body weight 150 - 250 grams. Three concrete tanks culture with volume : 5m³. Sand substrate thickener on tank bottom: 5-6 cm. water depth : kurang lebih 60-75 cm. Treatments of feed used are (a) shell meat, (b) prawn meat and (c) squid. Results of the experiment showed that from statistic analysis of all treatments were not significantly difference ($P > 0.05$). The time of gonadal maturation of swimming crab needed : 14-22 days.