Artificial Breeding of Canine Catfish

(*Plotosus canius* Hamilton Buchanan, 1822)

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Abstract

Artificial breeding of Canine Catfish (*Plotosus canius*) was conducted at Coastal Aquaculture Research Institute from March to May, 2006. The broodstocks were collected from Songkhla lake they were stimulated for ovulation and spermiation by injection of LHRHa and domperidone. Female was injected once with 100 μg/kg LHRHa plus 10 mg/kg domperidone and male with 10 μg/kg LHRHa plus 10 mg/kg domperidone. The spawners were stripped after 34-36 hr after hormone injection. Three females were successfully induced to spawn. Fertilization and hatching rate were 53-89% and 2-21%, respectively. The egg hatched out within 5 to 6 days after fertilization. The larvae were observed to have large yolk, yolk sac was absorbed within 14 days. The survival rates were in ranged 2-9%. The period of larvae development after fertilization was 19 days.

Key words: Canine Catfish (*Plotosus canius* Hamilton Buchanan, 1822), Breeding, Artificial breeding

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