

Breeding and embryonic development of *Hampala macrolepidota* (Van Hasselt and Kuhl, 1823).

Abstract

The present study investigated the breeding and embryonic development of sebarau, *Hampala macrolepidota* from fertilization until early hatched. The matured eggs and sperm were obtained by induced breeding using a commercial hormone, ovaprim. Dosages given for female and male were 0.6 and 0.3 mL ovaprim kg⁻¹ b.wt., respectively. Fertilized eggs were adhesive, spherical and sticky. Fecundity for females weighing 180-280 g ranged from 34,985-75,646 eggs/fish. Average diameter of the fertilized eggs ranged from 0.55±0.13-1.06±0.36 mm. Fertilization rates ranged from 18-28% after 24 h incubation. The observation on the embryonic development covers various stages from newly fertilized eggs, cell division, epiboly, somites until hatched.

Keyword: Breeding; Embryonic development; *Hampala macrolepidota*; Sebarau.