

**REPRODUCTIVE ASPECTS AND TOLERANCE TO TEMPERATURE AND SALINITY OF
EGG OF PHARAOH CUTTLEFISH *Sepia pharaonis* Ehrenberg, 1831 FROM
VIETNAM WATERS**

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ABSTRACT: This paper reports sex ratio, gonad development, and fecundity of the pharaoh cuttlefish (*Sepia pharaonis* Ehrenberg, 1831) field collected specimens and tolerance of live eggs obtained from broodstock to temperature and salinity in tank conditions. The cuttlefish specimens collected from Vietnam waters showed an average ratio of male: female of 1:1.07. When reaching a mantle length of 81–90 mm, the cuttlefish became sexually mature. The fecundity was 52–1938 eggs depending on female cuttlefish size. The newly laid eggs from broodstock had an average size of 40 mm and weight of 1.8 g. After 14–20 days, the eggs hatched. The hatchlings had no metamorphosis, lived on the yolk for 3–5 days and then began feeding on provided foods. The embryo normally developed at temperature of 26–28°C and salinity of 30–35‰, but with a hatching rate of lower than 50%.

Keywords: pharaoh cuttlefish, *Sepia pharaonis*, reproductive aspects, egg, tolerance, temperature, salinity, Vietnam
