Culture of Mud Crab (*Scylla paramamosain* Estampador, 1949)  
Broodstock from Hatchery-reared Seedstock

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**Abstract**

The 3\textsuperscript{rd} - 4\textsuperscript{th} crab instar of mud crab (*Scylla paramamosain* Estampador, 1949) were nursed in 4 net cages (4×5×1.20 m) placed in the earthen pond at density of 100 pcs/m\textsuperscript{2}. After 35 days, juveniles production had 928.75±71.27 pcs/cage (46.43±3.56 pcs/ m\textsuperscript{2}), 3.59±0.43 cm carapace width, 10.76±4.54 g body weight and survival rate of 46.42±3.56 %. The juveniles were then transferred in two earthen ponds (1,600 m\textsuperscript{2}) at stocking density of 1 pcs/m\textsuperscript{2}. After 150 days, the crab production had 876.00±66.46 pcs/rai, 9.33±1.03 cm carapace width, 182.02±75.07 g body weight, 54.74±4.15 % survival rate, 3.98±0.40 FCR and 1 : 0.89 sex ratio of male to female.

Healthy crabs were selected at ratio between male and female of 1 : 1 to be used as spawner with natural breeding technique in four earthen ponds (200 m\textsuperscript{2}). After mating males were removed from the ponds. After 60-90 days, gravid females with a survival rate of 78.00 pcs. were collected, FCR and maturity index were 3.56 and 0.85±0.07 respectively. Finally, 78 females with mature ovaries were transferred into hatchery for fattening in concrete tanks (10 m\textsuperscript{2}). Berried females were obtained in 31.65±19.96 days with 74.35 % successful rate. The average fecundity was 2.80±1.038 million eggs per crab. Zoeae was estimated at 1.32±0.46 million per crab with a hatching rate of 46.81±13.05 %. Production costs for producing from 3\textsuperscript{rd} - 4\textsuperscript{th} crab instar to 150 days and from less ovary to gravid females were 49.50 bath/ind. and 360.77 bath/ind.

**Key words**: Culture, Mud crab (*S. paramamosain* Estampador, 1949), Broodstock, Reared seedstock

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