Rearing of Abalone (*Haliotis asinina*, Linnaeus, 1758) in Bucket Hanging in Concrete tank.

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ABSTRACT

Abalone from Prachuabkhiri Khan Coastal Fisheries Research and Development Center were nursed in 2 tons concrete tank for acclimatization in Pattani Coastal Aquaculture Station. After that they were cultured in 20 litre bucket by hanging in 8 tons concrete tank, between April 1, 2002 and April 30, 2003 for 395 days. The initial body width, initial body length and initial body weight were $1.06 \pm 0.04$ cm, $1.93 \pm 0.04$ cm and $1.78 \pm 0.04$ g, respectively. The abalone were reared in 3 different stocking densities of 150, 100 and 50 abalone / tank and fed with *Gracilaria fisheri*.

The results showed that the feed conversion ratio, survival rate, final body width, final body length and final body weight were 27.62, 17.82 and 14.14 ; 52.89 %, 60.00 % and 63.34 % ; $1.78 \pm 0.25$ cm, $1.80 \pm 0.25$ cm and $1.89 \pm 0.18$ cm ; $3.28 \pm 0.040$ cm, $3.51 \pm 0.042$ cm and $3.65 \pm 0.37$ cm ; $8.71 \pm 2.27$ g, $11.04 \pm 4.99$ g and $12.05 \pm 3.37$ g respectively. There were not significantly difference in final body width, final body weight and survival rate ($P > 0.05$). While there was significantly difference in final body length ($P < 0.05$).

**Keywords**: *Haliotis asinina*, *Gracilaria fisheri*, buckets.