

## Comparisons Growth Indices of *Huso huso* Prebroodstock Rearing Environments (Pond and Concrete Tank) for Production of Meat

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**Abstract :** The efficiency of two rearing environments in culture and effect on growth performance of beluga (*Huso huso*) were investigated. In accordance two group of three years *Huso huso* (Average weight of  $9.93 \pm 0.305$  and  $10 \pm 0.5$  Kg) density (0.5 and 25 kg/m<sup>2</sup>) with 3 replicate were stocked in two culture environment and reared with formulated diet including protein 43% and energy 22 MJ/ kg for 12 month from 2014.6.19 to 2015.9.10 A.D. In the end of rearing period, indices of Final weight, final biomass, daily growth and body percent weight fish reared in cement tank ( $20.1 \pm 0.6$ ,  $2016.66 \pm 5.77$ ,  $0.112 \pm 0.00239$  and  $102.35 \pm 1.1$  kg) were significantly higher than fish reared in pond ( $17.4 \pm 0.4$ ,  $1746.66 \pm 7.2$ ,  $0.082 \pm 0.118$  and  $74.15 \pm 4.71$  kg), respectively  $P < 0.05$ ). Food efficiency ratio between two group was not significantly different ( $P > 0.05$ ). The result of this study indicated that except of primary cost of building concrete tank, *Huso huso* prebroodstocking in cement tank is better than pond for result of increasing growth rate in culture rearing and more effective management.

**Keywords :** cement tank, earthen pond, *Huso huso*, prebroodstocking

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