

# **EFFECT OF STOCKING DENSITY AT REARING BREED STAGE CLOWN KNIFE FISH (*Chilata ornata*) IN THE NORTH VIET NAM**

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## **Summary**

The effect of stocking density at rearing breed stage Clown knife fish was carried out with 2 experiments. Experiment 1, rearing from juvenile to fry were tested with 3 densities of 20, 30 and 40 individuals/ liter for 30 days. Experiment 2, nursing from fry to fingerlings were tested with 3 densities of 40, 60, 80 individuals/m<sup>2</sup> for 30 days. For experiment 1, the growth and the survival rate is highest at density of 20-30 individuals/ liter. After 30 days, fish length reaches 3.42 - 3.45 cm/individual; survival rate reaches 84-86%. For experiment 2, growth and survival rates were highest at a density of 40 individuals/m<sup>2</sup>, FCR is also the lowest at the this density. On the other hand, at a density of 40 individuals/m<sup>2</sup>, feed efficiency and profit per unit area were higher. After 30 days, fish length reaches 6.39 cm per individual; average weigh reaches 3.1 g per individual, survival rate reaches 96.25%, FCR is 0.67 and productivity reaches 119.35 g/m<sup>2</sup>.

**Keywords:** *Clown life fish, Chilata ornata, stocking density, variation coefficient.*