

## **ABSTRACT**

### **The Effect of Water Exchange Percentage of *Flow Through* System on *Clownfish (Amphiprion ocellaris)* Juvenile Growth**

**By**

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*Clownfish (Amphiprion ocellaris)* is one of the best of ornamental fish commodity. The biggest constrain in the hatchery of clownfish is the limitation of the juvenile and limited growth which caused by the environmental changes. Water substitution was considered as one of the resolution to solve this problem complete randomized design (CRD) was used in the research with 4 treatment, in the treatment A (500%), treatment B (750%), treatment C (1000%), treatment D (1250%) and 3 replication for each. The research was performed for 50 day the fishes were maintained in the 40x40x40 Cm<sup>3</sup> fish tanks. The growth rate was significantly influenced by the percentage of water exchange (Duncan) however survival rate was not significantly influenced.

**Keywords** : substitutions water system, *clownfish (Amphiprion ocellaris)*, growth, and SR.