

Effect of starvation period on growth performances and survival of *Cyprinus carpio* (Linnaeus, 1758)

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ABSTRACT:

Starvation is one of the problems that the fish may encounter in course of its life. This study was conducted for six weeks at two groups and three replications as follows: Group A: Starvation in six weeks and Group B: Feeding in six weeks with three times a day at 08:00, 12:00 and 16:00 h. Feeding rate was equal to 10 % of body weight for group A. The physical and chemical factors were so controlled through the experiment that the amount of dissolved oxygen was fixed up to 6 ppm, the temperature $28 \pm 2^\circ\text{C}$ and pH 7.8 to 8.1. Results showed significant effects in Specific Growth Rate (SGR), Body Weight Index (BWI %), Growth Rate (GR), Feed Conversion Ratio (FCR), Condition Factor (CF) and survival ($P < 0.05$). The results showed that there are significant differences with regard to the amount of body weight and body length of fingerlings in two groups ($P < 0.05$). Result of this study showed that increasing of starvation period decrease growth and survival in *Cyprinus carpio*.

Keywords:

Cyprinus carpio, growth performances, survival, starvation.