

## **Growth performance of ornamental koi carp (*Cyprinus carpio*) fed on a diet supplemented with meat meal made out of rejected chicken**

W.S. Malinda Harsha Kumara, M.S.M. Nafees\* and M. Pagthinathan

*Faculty of Agriculture, Eastern University, Sri Lanka, Vantharumoolai.*

A 42-day feeding trial was conducted to evaluate the effect of diets formulated using fish meal and chicken meat meal on the growth of ornamental koi (*Cyprinus carpio*) juveniles. Two isonitrogenous (CP 42%) experimental diets were prepared using imported fish meal (T<sub>1</sub>) and chicken meat meal (rejected chicken; T<sub>2</sub>). A commercial fish feed was used as the control (T<sub>3</sub>). Ninety of 28-days old mixed-sex koi juveniles were randomly allocated to nine glass tanks (45×30×30 cm<sup>3</sup> each) at a stocking density of 10 fish per tank. Each treatment had three replicates. The results showed that there was no differences ( $p>0.05$ ) observed in weight gain, specific growth rate, feed conversion ratio and survival of fish fed with control and experimental diets. The results indicated that meat meal prepared from rejected chicken could be utilized as a protein supplement in juvenile koi feeds to replace high cost fish meal. The current study reveals that ornamental *Cyprinus carpio* could be raised successfully on a feed prepared from chicken meat meal made out of rejected chicken for human consumption.

Keywords: chicken meat meal, *Cyprinus carpio*, koi carps, specific growth rate

---

\*Corresponding author – email : [mohamednafeez@yahoo.com](mailto:mohamednafeez@yahoo.com)