

**EFFECT OF DIETARY REPLACEMENT
OF FISHMEAL BY MEAT MEAL MADE
ON THE GROWTH PERFORMANCE OF
COMMON CARP**



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ABSTRACT

A 42 days feeding trials was conducted to evaluate the effect of diets formulate using fish meal and chicken meat meal on the growth of common carp (*Cyprinus carpio*) juveniles. Two experimental diets were prepared using chicken meat meal, (T₁) and T₁ prepared from rejected chicken and fishmeal. Only fish meal was used to prepared T₀ Chicken meat (rejected chicken from slaughter house) was collected from "smart farm" meat processing unit, Nawamedagama and meat meal was prepared. The meat meal contained 70% protein, 19% lipid, 1% ash on dry weight basis. There different diets (T₀ fish meal, T₁ fish meal and meat meal, T₂ meat meal and fish meal) were used to feed the fish as treatments. The experiment was done at the laboratory of the department of Bio system technology, Faculty of Technology, Eastern University, Sri Lanka and New city medical lab at Dehiattakandiya. Twenty four fry *Cyprinus carpio* was stoked in 12 glass tanks. Each experimental was replicated three times. The experimental was conducted under Completely Randomize Disign (CRD). Water quality parameters were within the acceptable range during the experimental period. The best growth was obtained on the diets with fishmeal and meat meal T₁. The T₁ recorded the highest final body weight (3.34±0.39g) and the least (2.74±0.52g). There was no differences in weight gain (WG) standard length, Length gain with control and experimental diets.

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