

THE TEST EFFECT OF ENZYME ADDITION TO THE
COMMERCIAL FEED FISH ON NILE TILAPIA'S
(*Oreochromis niloticus*) GROWTH PERFORMANCE

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Abstract

Tilapia (*Oreochromis niloticus*) has a very high protein content. Artificial fish feed or pellets is a mixture of several organic materials that are not easily absorbed by the tilapia because it does not have the stomach. Therefore, in this study added EZplus in fish feed, an enzyme complex containing protease, lipase, amylase, pepsin, trypsin, and kemotripsin, the fish feed to maximize the digestive process.

Tilapia measuring 3 cm to 4 cm is maintained in an aquarium with a density of 150 fish/m³. The treatment combines two types of feed with different protein content (26% and 32% protein) with the addition of enzymes in feed at a dose of 0 g /kg, 0.25 g/kg and 0.5 g/kg.

The result, based on analysis of variance (ANOVA) on the level of 95% and LSD (least significant difference) 5% of the value of $p < 0,05$, which means the enzyme does not affect the growth of tilapia because there is a slowdown in the growth of tilapia were significant at the feeding treatment containing 32% protein plus enzyme at a dose of 0.5 g/kg

Keywords: Growth, Nile tilapia, Proteins, Enzymes.