

ABSTRACT

SUBSTITUTION OF FISH MEAL WITH MAGGOT MEAL IN FEED FOR CATFISH JUVENILE (*Pangasius hypophthalmus*)

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Maggot is one of protein sources which can be replaced fish meal. Catfish *Pangasius hypophthalmus* is one type of fish which high value economic in Indonesia aquaculture. The common problems in this culture is the high price of fish meal as one of protein sources in feed. It is necessary to find others alternative high protein source in feed. The aim of this research is to study substitution of fish meal with maggot meal in different level on the growth of catfish. The research was conducted in completely randomize design with five treatments and three replications. The treatment are substitution between fish meal (FM) and maggot meal (MM) (100:0 ; 75:25 ; 50:50 ; 25:75 ; 100:0) respectively, the density juvenil one fish/liter. The result showed that the treatments were not given significantly different on absolute growth weight (AGW), daily growth rate (DGR), survival rate (SR) and feed efficient (FE) ($P>0,05$). The best treatment is 50% FM : 50% MM with AGW equal to 5,58 g, DGR equal to 0,093 g/day, SR equal to 75,56% and FE equal to 84,76%.

Key words: catfish, fish meal, maggot meal, and AGW.

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