

THE EFFECT OF USING SNAIL MEAT (*Achatina fulica*) AS A SUBSTITUTE FOR FISH MEAL ON THE GROWTH OF AFRICAN CATFISH SEEDS (*Clarias gariepinus*).

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ABSTRACT

*This study aims to influence the use of snail meat flour on the growth of African catfish seeds (*Clarias gariepinus*). In addition this study also aims to examine the success rate of using snail meat flour (*Achatina fulica*) in ramsum African catfish seed feed as a substitute for fish meal. This study used a completely randomized design (CRD) with 4 treatments and 3 replications, namely P0 = 0%, P1 = 10%, P2 = 25% and P3 = 40%. The parameters observed in this study are specific growth rate (SGR), feed conversion ratio (FCR), survival rate (SR) and water quality as support. The results showed that the use of snail meat flour formulated in artificial feed had no effect on the specific growth rate of African catfish seeds with a value of P0 = 0.027% / day, P1 = 0.26% / day, P2 = 0.26% / day, P3 = 0.27% / day and does not have a significant effect on water quality and does not significantly affect the feed conversion ratio, namely P0 = 1.72, P1 = 1.66, P2 = 1.62 and P3 = 1.58. But when viewed from the value of feed conversion ratio, the use of snail meat flour in artificial feed rations of African catfish seeds is worthy of being used as an alternative feed ingredient to replace fish meal. This can be seen in figure graph 4.1, namely the higher the use of fish meal in artificial feed rations, the lower the value of feed conversion. In addition, the success rate of using snail flour in artificial feed ramsum can be seen from the survival rate of African catfish seeds during the maintenance period. The higher the level of fish meal use, the higher the survival rate of fish, which is in the range of 66.67-73.33%. Whereas the mortality rate of fish with a range of 26.67-33-33% means that the use of snail flour can be used as an alternative ingredient in the infusion of artificial feed formulations of African catfish seeds to replace fish meal.*

Keywords : *Snail meat flour, African catfish, Specific growth rate (SGR), Feed conversion ratio (SGR), Survival rate (SR) and Water quality (Support).*