

ABSTRACT

THE INFLUENCE OF THE SUBSTITUTION OF FISH MEAL WITH MEAT AND BONE MEAL ON GROWTH OF CRAYFISH (*Cherax quadricarinatus*)

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Crayfish (*Cherax quadricarinatus*) is exotic fish that has high economic value and has been cultured since 1970s in Indonesia. Crayfish cultured rely on artificial diets that formulated by fish meal (FM). It is necessary to find a local raw materials such as meat and bone meal (MBM) that able to give similiar benefit like fish meal. This study aims to examine the effect of the inclusion of meat and bone meal to growth and feed efficiency of crayfish. The study used Completely Randomized design with 5 treatments 100% FM ; 75% FM + 25% MBM; 50% FM + 50% MBM; 25% FM + 75% MBM and 100% MBM. The data was analyzed with ANOVA and continued with the LSD test. The results showed that the balance proportion of fish meal and meat and bone meal enhances growth and feed efficiency of crayfish. Meat and bone meal able to use as alternative formulated diets as good as fish meal in feed formulation.

Keywords: crayfish , fish meal, mbm , growth, feed efficiency