

ABSTRACT

DIGESTIBILITY FEED OF TRASH FISH MEAL ON RED TILAPIA (*Oreochromis niloticus*)

By

SELPIANA

The most important factor in the business of cultivating tilapia is the availability of feed in sufficient quantity. Its need to find an alternative feed raw materials to reduce the operational cost. One of them is trash fish which can be used as feed raw materials. The study was conducted to determine the digestibility of trash fish meal by red tilapia. This research by using completed random design with four treatments and three replications. Treatment A (proportion trash fish meal 405 gram), B (proportion trash fish meal 450 gram), C (proportion trash fish meal 495 gram) and D (proportion trash fish meal 540 gram). The data was analyzed by Anova. Feeding twice a day with the *feeding rate* of 5% for 60 days. The results showed that treatments provide a significantly different effect. The results showed that the addition of trash fish meal can increase the digestibility of the feed. Digestibility of feed consumed part and not released into the feces. Level digestibility of feed consisting of total digestibility and protein digestibility. The highest total digestibility was reached ($70,51\% \pm 0,32$) in D treatment. Protein digestibility also increased due to the addition of trash fish meal. The highest protein digestibility was reached ($80,64\% \pm 0,17$) in D treatment with proportion trash fish meal 540 gram.

Keywords: red tilapia, protein digestibility, total digestibility, trash fish meal