

ABSTRACT

*Ahmad Dimyati, 2017. **Efectiveness Of The Addition Azolla pinnata To Feed On The Growth Of Catfish.** Adviser 1, Drs. Yusuf Ibrahim, M.Pd. M.P. and Adviser 2, drh. Nia Nurdiani, M.Si.*

Local catfish is a species of native to indonesian waters but now local catfish farming is very rarely in demand by fish farmers due ti its slow growth. In the cultivation of fish things that must be considered by the farmers is ini term of feeding, feed containing nutrients that bik can meet the nutritional needs of fish in its growth. Azolla pinnata is a water nail plant that widely found in indonesia, this plant has good nutrition and can be used in animal feed. The purpose of this study was to determine whether the addition of Azolla pinnata in feed could affect the growth of catfish (Clarias batratchus. This study used a randomized block design (RAK) with groups, 4 treatments. Parameter measured in this study are the growth of fish length and weight. The treatment given in this research is: P1= Feed in the form pellets sold 100%, P2= 50% Pelet + 50% Azolla pinnata, P3= 75% Pelet + 25% Azolla pinnata, P4= 25% Pelet + Azolla pinnata 75%. Feeding in this study was conducted 3 times at 09:00 pm, at 16:00 pm, and 22:00 pm. The results of the study showed that there was an effect of feeding between P1, P2, P3, and P4 treatments on the growth of the length and absolute weight of the local catfish. The treatment of P2 is the most optimal treatment in stimulating the growth of catfish length and weight (Clarias batratchus), this is characterized by an absolute growth of 3,15 grams and absolute length of 3,17 cm at the end of the study.

Keyword, Azolla pinnata, Feed, Growth, Local Catfish.