

ABSTRACT

Kinanti Intan Pratiwi. 2016. **The influence of increasing concentration of taro leaves flour in African catfish's feed on its weight.** Pembimbing 1 Drs Ahmad Mulyadi, M.Pd., dan pembimbing 2 Cita Tresnawati M.Pd.

This research deals with the influence increasing concentration of taro leaves flour in the diet on weight of African catfish (*Clarias gariepinus*) which was implemented in August 2016 at Citarum St., West Adiarsa Krajan, Karawang. This study is aimed to determine the weight gain by adding taro leaves flour to the African catfish on their feed. The Catfish used is African catfish with size of 7 cm and a weight of 8 grams / fish. The African fish came from the catfish farm at Bojong, Karawang. African catfish rearing pond is a pond made of bamboo with a size of 30x30x30 centi meters and each pond is filled with 5 fish of African catfish with \pm 10 L of well water. The treatment given is by adding taro leaves flour in the feed with some different numbers, those are 70% pellets : 30% taro leaf flour, 60% pellets : 40% taro leaf flour, 50% pellets : 50% taro leaf flour, 40% pellets : 60% taro leaf flour, 30% pellets: 70% taro leaves flour, and added a control treatment that is only pellets without flour mixed with taro leaves. This study used a completely randomized design (CRD) with 6 treatments and each treatment was repeated four replications. Data were analyzed by using T test, then treated with different test average using the program statistical and product service solutions (SPSS) 22.0 for windows. Finally, the result in treatment D which is given 40% pellets : 60% taro leaf flour has significant coefficient where <0.05 . It means that the treatment can be concluded to have the effect of adding taro leaf flour for weight and body length of African catfish before and after being treated by adding taro leaf flour in African catfish's feed.

Keyword : Taro leaf meal in fedd, gaining weight.