

ABSTRACT

Khotimah, Siti. 2014. The Effect Of a Combination Of Shrimp Waste Flour And Kayambang Flour (*Salvinia molesta*) Fermented On The Productivity Of Laying Ducks Mojosari. Thesis Department of Biology, Faculty of Science and Technology, State Islamic University (UIN) Maulana Malik Ibrahim Malang. Supervisor: Dr. Retno Susilowati, M.Si and Mujahideen Ahmad, M.Sc

Keyword : Laying Ducks, Waste Shrimp, kayambang, ration consumption, Egg Productivity, Egg Weight, Feed Conversion.

The feed requirements is one of the success factors of raising laying ducks, if the composition of the ration quality it will produce a quality egg productivity as well. Ducks feed costs are 60-70% of the production cost, thus the need for alternative feed manufacturing to reduce costs without reducing feed quality and quantity of duck eggs, one way to overcome this problem is to use the shrimp waste and kayambang combination as feed. Both of these materials have a number of abundant and have essential amino acids are sufficient to fulfill the egg production. The purpose of this research was to determine the effect of a combination of shrimp waste flour (TLU) and kayambang flour (TK) on feed consumption, egg productivity, egg weight, and conversion rations.

This research uses an experimental study with a completely randomized design (CRD) using 20 ducks productive period consisting of 5 treatments and 4 replications. The treatment such as P0 (Control), P1 (TK TLU 5%+ 20%), P2 (TLU 10% + 15% TK), P3 (TLU 15% + 10% TK), and P4 (TLU 20% + TK 5%). The research was conducted for 28 days. The results were analyzed by ANOVA single. if the results were significantly different then followed by a further test of BNT 0,01

The results of this research showed the average feed consumption of 17920 grams. The average of the highest productivity duck eggs P2 (45.59%) and lowest in P1 (29.46%). The average egg weight was highest P2 (66 grams) and the lowest at P0 (62 grams). The average of the best feed conversion P2 (4.5%) and the lowest P1 (8.9%). The results showed that giving a combination of shrimp waste flour and kayambang flour fermented very significant effect on the productivity of eggs and feed conversion, but does not have a significant effect on consumption and egg weight. The best combination of feed contained in P2.