

ABSTRAK

PENGARUH SUPLEMENTASI TEPUNG MAGGOT (*BLACK SOLDIER FLY*) TERHADAP PERFORMA AYAM JOPER FASE *STARTER*

Oleh

Hendrik Julian

Penelitian ini bertujuan untuk mengetahui pengaruh suplementasi tepung maggot (*Black Soldier Fly*) dan level pemberian terbaik terhadap performa ayam joper fase *starter*. Penelitian ini dilaksanakan pada Januari--Maret 2022 dan berlokasi di Jl. Padat Karya No.6, Labuhan Dalam, Kec. Tj. Senang, Kota Bandar Lampung. Rancangan percobaan yang digunakan adalah Rancangan Acak Lengkap (RAL) dengan 4 perlakuan dan 5 ulangan, sehingga berjumlah 20 unit percobaan. Perlakuan yang diberikan yaitu ransum BR-1 (P0), ransum BR-1 dengan suplementasi 5% tepung maggot (P1), ransum BR-1 dengan suplementasi 10% tepung maggot (P2), dan ransum BR-1 dengan suplementasi 15% tepung maggot (P3). Peubah yang diukur adalah konsumsi ransum, penambahan berat tubuh, konversi ransum dan *income over feed cost*. Data yang diperoleh dianalisis menggunakan *Analysis of variance* (ANOVA) dengan taraf nyata 5% dan atau 1% kemudian dilanjutkan dengan uji lanjut *Duncan*. Hasil penelitian menunjukkan bahwa suplementasi tepung maggot pada BR-1 tidak berpengaruh nyata ($P>0,05$) terhadap konsumsi ransum dan penambahan berat tubuh, tetapi berpengaruh nyata ($P<0,05$) terhadap konversi ransum dan berpengaruh sangat nyata ($P<0,01$) terhadap *income over feed cost*. konversi ransum dan *income over feed cost* terbaik terdapat pada perlakuan kontrol (P0).

Kata Kunci: Performa, Tepung maggot, dan Ayam joper.

ABSTRACT

THE EFFECTS OF MAGGOT (*BLACK SOLDIER FLY*) FLOUR SUPPLEMENTATION ON THE PERFORMANCE OF JOPER CHICKEN STARTER PHASE

By

Hendrik Julian

This research aims to determine the effect of maggot flour supplementation (Black Soldier Fly) and the best level of feeding on the performance of joper chicken in the starter phase. This research was conducted in January-March 2022 and is located on Jl. Padat Karya No.6, Labuhan Dalam, Kec. Tj. Senang, Bandar Lampung City. The experimental design used was a completely randomized design (CRD) with 4 treatments and 5 replications, totaling 20 experimental units. The treatments were BR-1 ration (P0), BR-1 ration with 5% maggot flour supplementation (P1), BR-1 ration with 10% maggot flour supplementation (P2), and BR-1 ration with 15% flour supplementation. maggot (P3). The observed variable is ration consumption, body weight gain, ration conversion and income over feed cost. The data obtained were analyzed using Analysis of Variance (ANOVA) with a significance level of 5% and or 1%, then continued with Duncan's further test. The results showed that maggot flour supplementation on BR-1 had no significant effect ($P > 0,05$) on ration consumption and body weight gain, but had a significant effect ($P < 0,05$) on ration conversion and had a very significant effect ($P < 0,01$) to income over feed cost. The best ration conversion and income over feed cost were found in the control treatment (P0).

Keywords: Performance, Maggot flour, and Joper chicken