ABSTRAK

PENGARUH SUPLEMENTASI JINTEN HITAM (*Nigella sativa L.)* TERHADAP KONSUMSI RANSUM, PERTAMBAHAN BERAT TUBUH, KONVERSI RANSUM, DAN MORTALITAS PADA AYAM KAMPUNG JANTAN

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Penelitian ini bertujuan untuk mengetahui pengaruh pemberian *Nigella sativa L.* terhadap konsumsi ransum, pertambahan berat tubuh, konversi ransum dan mortalitas pada ayam kampung jantan. Penelitian ini dilaksanakan pada Desember 2022--Februari 2023 di Laboratorium Lapang Terpadu, Fakultas Pertanian, Universitas Lampung. Penelitian ini menggunakan RAL (Rancangan Acak Lengkap) dengan empat perlakuan dan setiap perlakuan diulang tiga kali yaitu ransum tanpa *Nigella sativa L.* (P0), ransum + 36 mg/kg BB/hari *Nigella sativa L.* (P1), ransum + 72 mg/kg BB/hari *Nigella sativa L.* (P2), dan ransum + 144 mg/kg BB/hari *Nigella sativa L.* (P3). Setiap satuan percobaan terdiri dari 5 ekor ayam kampung jantan, sehingga total ayam yang digunakan yaitu 60 ekor. Peubah yang diamati yaitu konsumsi ransum, pertambahan berat tubuh, konversi ransum, dan mortalitas. Data yang diperoleh dianalisis menggunakan analisis ragam pada taraf nyata 5%. Hasil penelitian menunjukkan bahwa penambahan *Nigella sativa L.* tidak berpengaruh nyata (P>0, 05) terhadap konsumsi ransum, pertambahan berat tubuh, konversi ransum dan mortalitas pada ayam kampung jantan.

Kata kunci : konsumsi ransum, pertambahan berat tubuh, konversi ransum, mortalitas, *Nigella sativa L.*

ABSTRACT

EFFECT OF BLACK CUMIN *(Nigella sativa L.)* SUPPLEMENTATION ON CONSUMPTION OF RATION, BODY WEIGHT GAIN, CONVERSION OF RATION, AND MORTALITY ON MALE NATIVE CHICKEN

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This study aimed to determine the effect of *Nigella sativa L.* of consumption of ration, body weight gain, conversion of ration, and mortality on male native chicken. This research was conducted in December 2022--February 2023 at the Integrated Field Laboratory, Faculty of Agriculture, University of Lampung. This study used a completely randomized design (CRD) with four treatments and each treatment was repeated three times namely, ration without a mixture of *Nigella sativa L.* (P0), ration with 36 mg/kg body weight=BW/day *Nigella sativa L*. (P1), ration with 72 mg/kg BW/day *Nigella sativa L.* (P2), ration with 144 mg/kg BW/day *Nigella sativa L.*(P3). Each experimental unit consisted of 5 males native chiken, so the total chiken used were 60 males native chiken. The observed variables were consumption of ration, body weight gain, conversion of ration, and mortality. The data obtained were analyzed by using analysis of variance at a real level of 5%. The results showed that the addition of *Nigella sativa L.* had no significant effect (P>0.05) on the consumption of ration, body weight gain, conversion of ration, and mortality on male native chicken.

Keyword : Body weight gain, Consumption of ration, Conversion of ration, Mortality, *Nigella sativa L.*