

PENGARUH PENAMBAHAN NANOKAPSUL JUS KUNYIT DALAM
RANSUM TERHADAP KINERJA PADA ITIK LOKAL JANTAN

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INTISARI*

Penelitian ini bertujuan untuk mengetahui pengaruh penambahan nanokapsul jus kunyit dalam ransum terhadap kinerja itik lokal jantan meliputi konsumsi pakan, pertambahan bobot badan dan konversi pakan. Penelitian ini dilaksanakan selama empat minggu mulai dari 15 April -29 Mei 2019. Empat puluh ekor itik jantan umur 6-7 minggu dibagi secara acak kedalam dua perlakuan. Setiap perlakuan diulang sebanyak lima kali dan setiap ulangan menggunakan empat ekor itik lokal jantan. Dua perlakuan tersebut yaitu: P1 (tanpa penambah nanokapsul jus kunyit/kontrol), P2 (penambahan nanokapsul jus kunyit 4%). Variabel yang diamati meliputi konsumsi pakan, pertambahan bobot badan dan konversi pakan. Penelitian ini dilakukan dengan eksperimen di lapangan dan hasil penelitian dianalisis dengan independent samples test (Uji-T). Dari hasil penelitian didapatkan konsumsi pakan rata-rata dari setiap perlakuan P1 177,64; P2 170,91 gram/ekor/minggu. Pertambahan bobot badan rata-rata dari setiap perlakuan adalah P1 111,80; P2 93,80 gram/ekor/minggu. Konversi pakan rata-rata dari setiap perlakuan adalah P1 1,64; P2 1,83. Dari hasil penelitian dapat disimpulkan bahwa penambahan nanokapsul jus kunyit 4% dalam ransum tidak mempengaruhi kinerja itik lokal jantan.

Kata kunci: Itik lokal jantan, nanokapsul jus kunyit, ransum basal, kinerja

*Intisari Skripsi Sarjana Peternakan, Fakultas Agroindustri, Universitas Mercu Buana Yogyakarta, 2019.

THE EFFECT OF TURMERIC JUICE NANOCAPSULE IN RATION ON MALE LOCAL DUCK PERFORMANCE

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ABSTRACT*

This study aimed to determine the effect of turmeric juice nanocapsules in ration on the performance of male local duck including feed consumption, body weight gain and feed conversion. This research was conducted from April 15 to 29 May 2019. Forty male ducks aged 6-7 weeks were randomly divided into two treatments. Each treatment was repeated five times and each replication used four male local ducks. The two treatments were: P1 (0%), P2 (4%). The variables observed included feed consumption, body weight gain and feed conversion. This research was conducted with experiments in the field and the result of the study were analyzed by independent samples test (T-Test). From the result of the study it was found that the average feed consumption of each treatment P1 177.64; P2 170.91 gram / head / week. The average body weight gain of each treatment was P1 111.80; P2 93.80 gram / head / week. The average feed conversion from each treatment is P1 1.64; P2 1.83. From the result of the study it could be concluded that the addition of 4% turmeric juice nanocapsule did not effect on the performance of male local duck.

Keyword: male local duck, turmeric juice nanocapsule, basal ration, performance

* Thesis Abstract Bachelor of Animal Husbandry, Faculty of Agroindustry, University of Mercu Buana Yogyakarta, Yogyakarta, 2019.