

PENGARUH LEVEL NANOKAPSUL FILTRAT KUNYIT DALAM RANSUM TERHADAP KINERJA ITIK LOKAL JANTAN

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INTISARI^{*)}

Penelitian ini bertujuan untuk mengetahui pengaruh level nanokapsul filtrat kunyit dalam ransum terhadap kinerja itik lokal jantan meliputi konsumsi pakan, penambahan bobot badan dan konversi pakan. Penelitian ini dilaksanakan selama empat minggu mulai dari 15 Mei-12 Juni 2018. Enam puluh tiga ekor itik jantan umur 65 hari dibagi secara acak kedalam tujuh perlakuan. Setiap perlakuan diulang sebanyak tiga kali dan setiap ulangan menggunakan tiga ekor itik lokal jantan. Tujuh perlakuan tersebut dibedakan berdasarkan pemberian level nanokapsul filtrat kunyitnya yaitu: P1 (0%), P2 (1%), P3 (2%), P4 (3%), P5 (4%), P6 (5%) dan P7 (6%). Variabel yang diamati meliputi konsumsi pakan, penambahan bobot badan dan konversi pakan. Rancangan percobaan menggunakan Rancangan Acak Lengkap pola searah. Data yang diperoleh dianalisis dengan analisis variansi, jika terjadi perbedaan yang nyata diantara perlakuan dilanjutkan uji Duncan's New Multiple Range Test (DMRT). Dari hasil penelitian didapatkan konsumsi pakan rata-rata dari setiap perlakuan P1 138,37; P2 149,16; P3 148,76; P4 142, 89; P5 138,66; P6 143,24; P7 160,17 g/ekor/hari. Pertambahan bobot badan rata-rata dari setiap perlakuan adalah P1 106,33; P2 141,33; P3 118,33; P4 114,33; P5 114,33; P6 127, 76; P7 118,76 g/ekor/hari. Konversi pakan rata-rata dari setiap perlakuan adalah P1 1,32; P2 1,06; P3 1,27; P4 1,26; P5 1,22; P6 1,13; P7 1,35. Dari hasil penelitian dapat disimpulkan bahwa penambahan nanokapsul filtrat kunyit level 0-6% dalam ransum tidak mempengaruhi kinerja itik lokal jantan.

Kata kunci: Itik lokal jantan, nanokapsul filtrat kunyit, konsumsi pakan, penambahan bobot badan, konversi pakan.

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THE INFLUENCE OF TURMERIC FILTRATE NANOCAPSULE LEVEL IN RATION ON MALE LOCAL DUCK PERFORMANCE

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ABSTRACT^{*)}

This study aimed to find out the effect of turmeric filtrate nanocapsule level in ration on male local duck performance including feed consumption, body weight gain, and feed conversion. This research was conducted for four weeks starting from 15 May to 12 June 2018. Sixty three male ducks aged 65 days were randomly divided into seven treatments. Each treatment was repeated three times and each replication used three male local ducks. The seven treatments were distinguished based on the addition of turmeric filtrate nanocapsule level, namely: P1 (0%), P2 (1%), P3 (2%), P4 (3%), P5 (4%), P6 (5%) and P7 (6%). Variable observed included feed consumption, body weight gain and feed conversion. The experimental design used a Completely Randomized Design one way pattern. The data obtained were analyzed by analysis of variance, if there were significant difference between treatments then continued by Duncan's New Multiple Range Test (DMRT). From the results of the study it was found that the average feed consumption of each treatment P1 138.37; P2 149.16; P3 148.76; P4 142, 89; P5 138.66; P6 143,24; P7 160.17 grams / head / day. The average body weight gain of each treatment was P1 106.33; P2 141,33; P3 118.33; P4 114.33; P5 114.33; P6 127, 76; P7 118.76 grams / head / day. The average feed conversion from each treatment is P1 1.32; P2 1.06; P3 1.27; P4 1.26; P5 1.22; P6 1,13; P7 1.35. From the results of the study it can be concluded that the addition of 0-6% turmeric filtrate nanocasule in the ration did not affect the performance of male local duck.

Keywords: male local duck, turmeric filtrate nanocapsules, feed consumption, body weight gain, feed conversion.

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