

**PENGARUH PENAMBAHAN REMPAH ( KAYU MANIS DAN  
KUNYIT ) DAN L- CARNITINE TERHADAP KINERJA  
ITIK LOKAL JANTAN**

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**INTISARI<sup>1)</sup>**

Penelitian ini bertujuan untuk mengetahui penambahan rempah dan *L-Carnitine* terbaik untuk meningkatkan kinerja itik lokal jantan. Penelitian ini dilakukan di Kandang percobaan (*teaching farm*) Universitas Mercu Buana Yogyakarta yang berlokasi di Dusun Kaliurang, Desa Argomulyo, Kecamatan Sedayu, Kabupaten Bantul dan laboratorium nutrisi ternak, Fakultas Agroindustri Universitas Mercu Buana Yogyakarta dari tanggal 25 Mei sampai 17 Juli 2017. Kajian ini dirancang menggunakan rancangan acak lengkap (RAL) pola searah yang terdiri dari 4 perlakuan dengan 3 ulangan. Perlakuan yang dimaksud terdiri dari P1 (0%); P2 (0,5%); P3 (1%); P4 (1,5%). Parameter yang diamati meliputi konsumsi pakan, pertumbuhan bobot badan (PBB), konversi pakan, *Income Feed and Duck Cost* (IOFDC) yang seluruhnya dianalisis dengan uji sidik ragam dilanjutkan dengan uji Duncan. Berdasarkan penelitian didapatkan rerata konsumsi pakan (P1: 717,56; P2: 718,41; P3: 728,06; P4: 689,90) dalam gram/ekor/minggu, pertumbuhan bobot badan (P1: 213,15; P2: 206,78; P3: 214,55; P4: 215,78) dalam gram/ekor/minggu, konversi pakan (P1: 3,48; P2: 3,95; P3: 3,75; P4: 3,47), *Income Over Feed and Duck Cost* (P1: Rp. 3221,44; P2: Rp. 3048,20; P3: Rp. 4524,54; P4: Rp. 2088,95). Hasil analisis uji sidik ragam konsumsi pakan, pertumbuhan bobot badan, IOFDC menunjukkan pengaruh nyata, sedangkan untuk konversi pakan tidak berpengaruh nyata. Dari hasil penelitian disimpulkan bahwa suplementasi rempah dan *L-Carnitine* mempengaruhi kinerja itik lokal jantan meliputi konsumsi pakan, pertumbuhan bobot badan, IOFDC .

Kata kunci : Kinerja itik lokal jantan, Penambahan rempah, L-Carnitine.

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<sup>1)</sup> Intisari Skripsi Sarjana Peternakan, Program Studi Peternakan, Fakultas Agroindustri, Universitas Mercu Buana Yogyakarta, 2018.

# **THE EFFECT OF HERBS (CINNAMON AND TURMERIC) AND L-CARNITINE ON THE PERFORMANCES OF MALE LOCAL DUCK**

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## **ABSTRACT<sup>1)</sup>**

The aim of the research was to determine the effect of the performances of male local duck supplemented with herbs and L-Carnitine. The experiment itself was conducted in teaching farm of Mercu Buana University of Yogyakarta located in Kaliurang, Argomulyo, Sedayu, Bantul regency throughout 25<sup>th</sup> May to 17<sup>th</sup> 2017. The study was arranged in a single factor completely-randomized design with four treatment levels and three replications. The applications were P1 (0% herbs and L-Carnitine supplementation); P2 (0,5%); P3 (1%); P4 (1,5%). The observed parameters were feed consumption (FC), body weight increase (BWI), feed conversion ratio (FCR), *Income Feed and Duck Cost* (IOFDC) which then statistically analyzed using ANOVA folowed by Duncan's Multiple Range Test. Based on the study, it could stated that the average of feed consumptions are P1: 717,56; P2: 718,41; P3: 728,06; P4: 689,90 gr/duck/week, body weight increase are P1: 213,15; P2: 206.78; P3:214,55; P4: 215,78 gr/duck/week, FCR are P1: 3,48; P2: 3,95; P3: 3,75; P4: 3,47), Income Over Feed and Duck Cost P1: Rp. 3221,44; P2: Rp. 3048,20; P3: Rp. 4524,54; P4: Rp. 2088,95. According to the analysis, the FC, IOFDC and BWI of the treated ducks are significantly different. In contrast with those parameters, the FCR among all ducks show non-significant result. Therefore, it could be concluded that the supplementation of herbs and L-carnitine does affect the performances of male local duck in its BWI, FC and IOFDC.

Keywords: Local male duck productivity, Spices supplementation, L-Carnitine

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