

SUPLEMENTASI TEPUNG DAUN PEPAYA TERHADAP KUALITAS TELUR ITIK TURI

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INTISARI *)

Tujuan penelitian ini adalah untuk mengetahui pengaruh suplementasi tepung daun pepaya terhadap kualitas telur itik Turi. Penelitian ini dilaksanakan pada 29 September – 17 Desember 2018 yang dilakukan di tiga tempat yaitu kandang itik milik bapak Istaryono yang terletak di Karang Tuksono, Sentolo, Kulon Progo, DIY, Laboratorium Chem-mix Pratama, dan Laboratorium Nutrisi Program Studi Peternakan Fakultas Agroindustri Universitas Mercu Buana Yogyakarta. Penelitian ini menggunakan 60 ekor itik Turi betina berumur 7 bulan. Rancangan yang digunakan Rancangan Acak Lengkap pola searah terdiri dari 5 perlakuan dengan 3 ulangan. Perlakuan yang diberikan adalah dengan suplementasi tepung daun pepaya untuk menggantikan nasi kering pada ransum dimana T0 (tanpa tepung daun pepaya), T1 (0,5% tepung daun pepaya), T2 (1% tepung daun pepaya), T3 (1,5% tepung daun pepaya), T4 (2% tepung daun pepaya). Data dianalisis menggunakan *Analysis of Variance* (ANOVA), jika ada perbedaan nyata dilanjutkan dengan uji *Duncan's New Multiple Range Test* (DMRT). Variabel yang diamati yaitu berat telur, persentase berat putih telur, persentase berat kuning telur, persentase berat kerabang telur, intensitas warna kuning telur dan beta-karoten kuning telur. Hasil penelitian menunjukkan bahwa suplementasi tepung daun pepaya memberikan pengaruh yang berbeda nyata ($P < 0,05$) terhadap intensitas warna kuning telur dan kandungan beta-karoten kuning telur, tetapi memberikan pengaruh yang berbeda tidak nyata ($P > 0,05$) terhadap berat telur, persentase berat putih telur, persentase berat kuning telur dan persentase berat kerabang telur. Berdasarkan hasil penelitian dapat disimpulkan bahwa suplementasi tepung daun pepaya sampai taraf 1,5% dapat meningkatkan intensitas warna kuning telur, kandungan beta-karoten kuning telur dan mempertahankan kualitas telur (berat telur, persentase berat putih telur, persentase berat kuning telur dan persentase berat kerabang telur).

Kata kunci : itik Turi, daun pepaya, kualitas telur.

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SUPPLEMENTATION OF PAPAYA LEAF MEAL ON TURI DUCK EGG QUALITY

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ABSTRACT *)

The purpose of this research was to determine the influence of supplementation of papaya leaf meal on Turi duck egg quality. The research was conducted on 29 September - 17 December 2018 and has conducted in three places, namely the duck cage owned by Mr. Istaryono located in Karang Tuksono, Sentolo, Kulon Progo, DIY, Chem-mix Pratama Laboratory, and Nutrition Laboratory, Faculty Agroindustry, Animal Husbandry Study Program, University of Mercu Buana Yogyakarta. This research used 60 female 7-month-old Turi ducks. The design used in the Completely Randomized Design of one way patterns consisted of 5 treatments with 3 replications. The treatment has given by supplementing papaya leaf meal to replace the dried rice in the ration where T0 (without papaya leaf meal), T1 (0.5% papaya leaf meal), T2 (1% papaya leaf meal), T3 (1.5% papaya leaf meal), T4 (2% papaya leaf meal). The data were analyzed by using Analysis of Variance (ANOVA), if there were significant differences followed by Duncan's New Multiple Range Test (DMRT) test. The variables observed were egg weight, egg white weight percentage, egg yolk weight percentage, eggshell weight percentage, egg yolk color intensity and beta-carotene egg yolk. The results showed that the supplementation of papaya leaf meal had a significantly different effect ($P < 0.05$) on the intensity of the yolk color and the content of beta-carotene egg yolk, but gave a significantly different effect ($P > 0.05$) on egg weight, percentage of albumen weight, percentage of egg yolk weight and percentage of eggshell weight. Based on the results of the research it can be concluded that supplementation of papaya leaf meal to a level of 1,5% can increase the intensity of the color of egg yolks, the content of beta-carotene egg yolk by maintaining quality of Turi duck eggs (egg weight, percentage of egg white weight, percentage of egg yolk weight and eggshell weight percentage).

Keywords: Turi duck, papaya leaves, egg quality.

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