RINGKASAN

AS'AD KHOIRUL ANAM. Penelitian berjudul Pengaruh Penambahan Tepung Daun Sukun (*Artocarpus altilis)* terhadap Produksi Telur dan Ketebalan Kerabang Telur Puyuh Jepang *(Coturnix-coturnix japonica).* Penelitian dilaksanakan mulai tanggal 14 Juni 2016 sampai dengan 22 Agustus 2016 dengan lama preliminari 7 hari. Penelitian ini dilaksanakan di kandang yang beralamat di Ketapang Indah Blok C4 No 25 A Sokaraja Kulon, Kecamatan Sokaraja, Kabupaten Banyumas, Provinsi Jawa Tengah dan Laboratorium Produksi Ternak Unggas Fakultas Peternakan Universitas Jenderal Soedirman Purwokerto. Tujuan penelitian ini adalah (1) Mengetahui pengaruh penambahan tepung daun sukun (*Artocarpus altilitis*) terhadap produksi dan ketebalan kerabang telur puyuh, (2) Menentukan level penambahan tepung daun sukun (*Artocarpus altilitis*) yang terbaik terhadap produksi telur dan ketebalan kerabang telur puyuh. Materi yang digunakan dalam penelitian ini adalah burung puyuh betina umur 2 minggu yang berjumlah 100 ekor. Metode penelitian adalah experimen menggunakan Rancangan Acak Lengkap (RAL). Perlakuan yang diteliti adalah level penambahan tepung daun sukun dalam pakan puyuh yang terdiri atas 4 level: S_0 (pakan basal tanpa penambahan tepung daun sukun), S_1 (pakan basal + 0,5 % tepung daun sukun), S_2 (pakan basal + 1 % tepung daun sukun), S_3 (pakan basal + 1,5 % tepung daun sukun) dan setiap perlakuan dilakukan pengulangan sebanyak 5 kali. Variabel yang diamati adalah produksi dan ketebalan kerabang telur, kemudian data dianalisis menggunakan Analisis Variansi. Hasil penelitian menunjukkan bahwa penambahan tepung daun sukun *(Artocarpus altilis)* dalam pakan puyuh berpengaruh tidak nyata ($P>0,05$) terhadap produksi telur, tetapi berpengaruh nyata ($P<0,05$) terhadap ketebalan kerabang telur puyuh Jepang *(Coturnix-coturnix japonica).* Kesimpulan penambahan tepung daun sukun hingga level 1,5% belum mampu meningkatkan produksi telur, tetapi ketebalan kerabang telur meningkat pada level penambahan tepung daun sukun sebesar 0,5% dan 1%.

Kata kunci : Puyuh, tepung daun sukun, produksi, ketebalan kerabang

SUMMARY

AS'AD KHOIRUL ANAM. The research entitled Effect of Adding Wheat of Breadfruit Leaves (*Artocarpus altilis*) on Eggs Production and The Thickness of Japanese quail egg shell (*Coturnix-coturnix japonica*). The research was conducted from June 14th, 2016 to August 22th, 2016 with 7 days preliminary. This research was conducted in a cage in Ketapang Indah Block C4 No 25 A Sokaraja Kulon, Sokaraja subdistrict, Banyumas regency, Central Java Province and Poultry Production Laboratory of the Animal Science Faculty, Jenderal Soedirman University. The purpose of this research is (1) to determine the effect of adding wheat of breadfruit leaves (*Artocarpus altilitis*) on production and quail egg shell thickness, (2) to determine the level of the best addition of wheat of breadfruit leaves (*Artocarpus altilitis*) on eggs production and quail egg shell thickness. The material used in this research were 100 individuals of two-week female quails. The research method used was experimental using Completely Randomized Design (CRD). The treatment studied was the level of addition of breadfruit leaves in quail meal which consists of four levels: S_0 (basal feed without the addition of wheat of breadfruit leaves), S_1 (basal feed + 0.5% wheat of breadfruit leaves), S_2 (basal feed + 1% wheat of breadfruit leaves), S_3 (basal feed + 1.5% wheat of breadfruit leaves) and each treatment was repeated 5 times repetition. The variables measured were the production and egg shell thickness, and then the data were analyzed using Analysis of Variance. The results showed that the effect of the addition of wheat of breadfruit leaves (*Artocarpus altilis*) in quail ration is not significant ($P > 0.05$) on egg production, but it is significant ($P < 0.05$) on thickness of Japanese quail egg shell (*Coturnix-coturnix japonica*). The conclusion of the addition of wheat of breadfruit leaves up to the level of 1.5% is not able to increase the production of eggs, but the thickness of the quail egg shell is increase up to the level of 0.5% and 1% of breadfruit leaves wheat.

Keywords: Quail, wheat of breadfruit leaves, production, egg shell thickness