

RINGKASAN

FAJAR MAHADHIKA: Penelitian ini mengambil judul “Suplementasi Tepung Biji Alpukat Dalam Pakan Terhadap Nilai Indeks Telur Dan Massa Telur Puyuh (*Coturnix coturnix japonica*). Tujuan penelitian adalah mengkaji taraf terbaik dari suplementasi tepung biji alpukat pada pakan terhadap nilai indeks telur dan massa telur puyuh. Materi penelitian yang digunakan yaitu puyuh berumur 4-14 minggu sebanyak 100 ekor. Bahan pakan yang digunakan adalah tepung biji alpukat, jagung, dedak padi, tepung ikan, bungkil kedelai, minyak kelapa sawit, topmix, garam, *lysin*, *methioin*. Penelitian dilakukan secara eksperimen menggunakan Rancangan Acak Lengkap dengan 4 perlakuan 5 ulangan sehingga terdapat 20 unit percobaan. Setiap unit percobaan terdiri dari 5 ekor puyuh. Perlakuan yang dilakukan yaitu R₀ : Pakan basal tanpa suplementasi tepung biji alpukat 0%; R₁ : Pakan basal + suplementasi tepung biji alpukat 3%; R₂: Pakan basai + suplementasi tepung biji alpukat 6%; R₃ : Pakan basal + sulementasi tepung biji alpuakat 9%. Data hasil penelitian dianalisis dengan analisis variansi. Rataan nilai indeks telur yang dihasilkan yaitu R₀ : 79,11%; R₁ : 79,20%; R₂: 78,87%; R₃: 78,15%. Rataan nilai massa telur yaitu R₀: 3,66 (g/ekor/hari); R₁: 3,31 (g/ekor/hari) ; R₂: 3,96 (g/ekor/hari); R₃: 3,34 (g/ekor/hari). Hasilnya suplementasi tepung biji alpukat pada pakan berpengaruh tidak nyata ($P>0,05$) terhadap nilai indeks telur dan nilai massa telur puyuh. Kesimpulan yang didapat adalah suplementasi tepung biji alpukat sampai level 9% belum mampu meningkatkan nilai indeks telur dan massa telur puyuh.

Kata kunci: Puyuh, tepung biji alpukat, indeks telur, massa telur.

SUMMARY

FAJAR MAHANDHIKA : This research title is "Supplementation of Avocado Seed Flour in Feeds Against the Index of Eggs and Masses of Quail Eggs (*Coturnix coturnix japonica*). The aim of the study was to assess the best level and interaction of supplementation of avocado seed flour in feed on the value of the egg index and mass of quail eggs. The research material used was quail aged 4-14 weeks as many as 100 birds. The feed ingredients used are avocado seed flour, corn, rice bran, fish meal, soybean meal, palm oil, topmix, salt, lysine, methioine. The study was conducted experimen method using a completely randomized design with 4 treatments 5 replications so that there were 20 experimental units. Each experimental unit consists of 5 quails. The treatments were R₀: Basal feed without supplementation of 0% avocado seed flour; R₁: Basal feed + supplementation of avocado seed flour 3%; R₂: Basal feed + 6% avocado seed flour supplementation; R₃: Basal feed + sulementation of 9% avocado seed flour. Data from the research results were analyzed by analysis of variance. The average egg index value produced was R₀: 79.11%; R₁: 79.20%; R₂: 78.87%; R₃: 78.15%. The average value of egg mass was R₀: 3.66 (g / head / day); R₁: 3.31 (g / head / day); R₂: 3.96 (g / head / day); R₃: 3.34 (g / head / day).. The result of supplementation of avocado seed flour on feed has no significant effect ($P > 0.05$) on the value of the egg index and the mass value of quail eggs. The conclusion obtained was that supplementation of avocado seed flour to a level of 9% had not been able to increase the egg index value and mass of quail eggs.

Keywords: Quail, avocado seed flour, egg index, egg mass.

