

ABSTRAK

AKBAR SATRIA BAHARI. Penelitian berjudul “Suplementasi Tepung Biji Alpukat dalam Pakan Terhadap Konversi Pakan dan *Income Over Feed Cost* puyuh (*Cortunix cortunix japonica*)”. Penelitian bertujuan mengetahui dan mengkaji pengaruh penggunaan tepung biji alpukat dalam pakan terhadap konversi pakan puyuh dan *income over feed cost* (IOFC) puyuh. Penelitian dilaksanakan mulai 3 Januari sampai 13 Maret 2019 di Laboratorium Ilmu Nutrisi dan Makanan Ternak Fakultas Peternakan Universitas Jenderal Soedirman Purwokerto dan Ketapang Farm Desa Sokaraja Kulon, Kecamatan Sokaraja, Kabupaten Banyumas.

Materi yang digunakan adalah 100 ekor puyuh (*Cortunix cortunix japonica*) betina umur 3 - 14 minggu. Perlakuan yang diuji yaitu suplementasi tepung biji alpukat dengan taraf 0% (R₀), 3% (R₁), 6% (R₂) dan 9% (R₃) yang terdiri atas jagung 45%, dedak padi 27,5%, bungkil kedelai 15%, tepung ikan 8%, minyak kelapa sawit 1,2%, Kalsium karbonat (CaCO₃) 2,5%, Premix 0,2%, lisin 0,2%, dan Metionin 0,4%. Metode penelitian yang digunakan eksperimen, dengan rancangan acak lengkap (RAL) dengan 4 perlakuan dan 5 ulangan. Setiap ulangan terdiri atas 5 ekor puyuh. Data yang diperoleh dianalisis menggunakan analisis variansi (ANOVA).

Hasil analisis variansi memperlihatkan bahwa perlakuan berpengaruh tidak nyata ($P > 0,05$) terhadap konversi pakan dan IOFC. Nilai rata - rata konversi pakan pada perlakuan R₀, R₁, R₂, dan R₃ secara berurutan yaitu $3,39 \pm 0,29$; $3,44 \pm 0,17$; $3,33 \pm 0,58$; dan $3,58 \pm 0,50$. Hasil perhitungan IOFC yaitu R₀ Rp $2.016,90 \pm 760,73/g$; R₁ Rp $1.699,65 \pm 379,78/g$; R₂ $1.999,17 \pm 1.156,64/g$ dan R₃ Rp $1.318,26 \pm 698,91/g$. Kesimpulan penelitian ini adalah suplementasi tepung biji alpukat dalam pakan belum mampu menurunkan konversi pakan dan meningkatkan nilai *income over feed cost* puyuh.

Kata kunci : Puyuh, Tepung biji alpukat, Konversi pakan, dan *Income over feed cost*.

ABSTRACT

AKBAR SATRIA BAHARI. The research was entitled “Supplementation of Avocado Seed Meal in Feed on Feed Conversion Ratio and Income Over Feed Cost Quail (*Coturnix coturnix japonica*)”. This research was aims to identify and review the effect of avocado seed meal in Feed on Feed Conversion Ratio and Income Over Feed Cost (IOFC) Quail. This research was conducted in 8 February – 9 April 2019 at Laboratory of Nutrition and Feed Animal Science Animal Science Faculty Jenderal Soedirman University and Ketapang Farm, Sokaraja Kulon Village, Sokaraja sub - district, Banyumas District.

The material used are quail were 100 individuals female quail around 3 - 14 weeks old. The treatment were supplementation of avocado seed meal with level of 0% (R₀), 3% (R₁), 6% (R₂) and 9% (R₃) in feed consisted of corn 45%, rice bran 27,5%, soybean meal 15%, fish meal 8%, palm oil 1,2%, calsiium carbonat (CaCO₃) 2,5%, premix 0,2%, lysin 0,2%, dan Methionin 0,4%. The method wich used experimental, with the design used was Completely Randomized Design with 4 treatments and 5 replications in which each replication consisted of 5 quail. Data were analyzed using analysis of variance (ANOVA) if there is a differences then further tested using ortogonal polynomial method.

Analysis of variance results showed that the treatment has'n significant effect ($P > 0,05$) on feed conversion ratio and IOFC. Average value feed conversion ratio in treatments R₀, R₁, R₂, and R₃ in a sequence were, $3,39 \pm 0,29$; $3,44 \pm 0,17$; $3,33 \pm 0,58$; and $3,58 \pm 0,50$. While the result of IOFC were R₀ Rp $2.016,90 \pm 760,73/g$; R₁ Rp $1.699,65 \pm 379,78/g$; R₂ $1.999,17 \pm 1.156,64/g$ and R₃ Rp $1.318,26 \pm 698,91/g$. The conclusion of this research is supplementation of avocado seed meal in feed can't decrease effect on feed conversion ratio and increase IOFC quail

Keywords : Quail, avocado seed meal, feed covertion ratio, and Income over feed cost.