

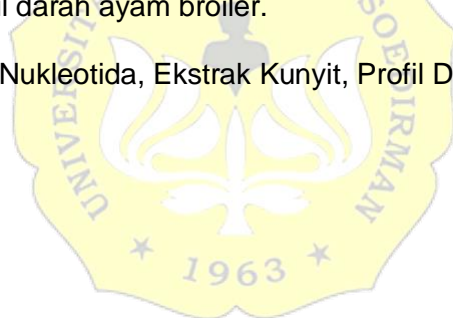
SUPLEMENTASI NUKLEOTIDA DAN EKSTRAK KUNYIT PADA PAKAN TERHADAP PROFIL DARAH DAN DAYA IMUN AYAM BROILER

ABSTRAK

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Penelitian bertujuan untuk mengkaji pengaruh suplementasi Nukleotida dan Ekstrak Kunyit pada pakan yang diberikan pada ayam broiler. Penelitian menggunakan rancangan acak lengkap (RAL). Penelitian terdiri dari 7 perlakuan yang terdiri dari P₀ (P₁ + antibiotik *Zinc Bacitracin* 0,1 gram/hari), P₁ (pakan basal), P₂ (P₁ + ekstrak kunyit 600 mg/kg pakan), P₃ (P₁ + nukleotida 250 mg/kg pakan), P₄ (P₁ + nukleotida 250 mg/kg pakan + ekstrak kunyit 600 mg/kg pakan), P₅ (P₁ + nukleotida 500 mg/kg pakan), P₆ (P₁ + nukleotida 500 mg/kg pakan + ekstrak kunyit 600 mg/kg pakan). Setiap perlakuan diulang sebanyak 4 kali, sehingga penelitian ini membutuhkan 28 unit petak kandang dan setiap petak kandang diisi ayam sebanyak 6 ekor, dengan demikian jumlah ayam yang dibutuhkan sebanyak 168 ekor. Variabel yang diukur terdiri dari profil darah (eritrosit, leukosit dan hemoglobin) serta daya imun (rasio heterofil/limfosit (h/l), titer nd, bobot bursa fabrisius dan bobot limfa). Berdasarkan hasil analisis variansi dihasilkan suplementasi nukleotida dan ekstrak kunyit berpengaruh tidak nyata ($P > 0,05$) terhadap daya imun dan profil darah ayam broiler. Suplementasi nukleotida 500 mg/kg pakan dan ekstrak kunyit 600 mg/kg pakan pada pakan ayam broiler belum mampu memperbaiki daya imun dan belum mampu meningkatkan profil darah ayam broiler.

Kata Kunci : Ayam Broiler, Nukleotida, Ekstrak Kunyit, Profil Darah, Daya Imun



SUPPLEMENTATION OF NUCLEOTIDES AND TURMERIC EXTRACT IN FEED ON BLOOD PROFILES AND IMMUNITY OF BROILER

ABSTRACT

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The aim of this study was to examine the effect of Nucleotide and Turmeric Extract supplementation on the feed given to broiler chickens. The study used a completely randomized design (CRD). The study consisted of 7 treatments consisting of P0 (P1 + antibiotic Zinc Bacitracin 0.1 gram/day), P1 (basal feed), P2 (P1 + turmeric extract 600 mg/kg feed), P3 (P1 + nucleotide 250 mg/day). kg feed), P4 (P1 + nucleotides 250 mg/kg feed + turmeric extract 600 mg/kg feed), P5 (P1 + nucleotides 500 mg/kg feed), P6 (P1 + nucleotides 500 mg/kg feed + turmeric extract 600 mg/kg feed). Each treatment was repeated 4 times, so this study required 28 units of cage plots and each cage was filled with 6 chickens, thus the number of chickens needed was 168 chickens. The variables measured consisted of blood profile (erythrocytes, leukocytes and hemoglobin) and immune capacity (heterophil/lymphocyte ratio (h/l), nd titer, bursa fabrisius weight and spleen weight). Based on the results of the analysis of variance, nucleotide supplementation and turmeric extract had no significant effect ($P>0.05$) on the immune power and blood profile of broiler chickens. Nucleotide supplementation of 500 mg/kg of feed and turmeric extract of 600 mg/kg of feed in broiler chicken feed has not been able to improve the immune system and has not been able to improve the blood profile of broiler chickens.

Keywords : Broiler, Nucleotides, Turmeric Extract, Blood Profiles, Immune Power

