ABSTRAK

EFEK SUPLEMENTASI EXTRAK SAMBILOTO TERHADAP TOTAL PROTEIN PLASMA DAN KADAR GULA DARAH AYAM KAMPUNG JANTAN

Oleh

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Penelitian ini bertujuan untuk mengetahui pengaruh pemberian Sambiloto (Andrographis paniculata Ness) terhadap kadar Total Protein Plasma (TPP) dan Kadar Gula Darah pada ayam kampung jantan (Gallus gallus domesticus). Penelitian ini akan dilaksanakan pada Januari -- Maret 2022 di Laboratorium Lapangan Terpadu, Fakultas Pertanian, Universitas Lampung. Analisis Total Protein Plasma dan kadar Gula Darah ayam kampung jantan dilakukan di Laboratorium Pramitra Biolab Indonesia Lampung. Rancangan percobaan yang digunakan adalah Rancangan Acak Lengkap (RAL) dengan 4 perlakuan dan 3 ulangan. Perlakuan yang diberikan yaitu air minum tanpa ekstrak sambiloto (P0), air minum dengan dosis 3 mg/kg BB/ hari ekstrak sambiloto (P1), air minum dengan dosis 6 mg/kg BB/ hari ekstrak sambiloto (P2), air minum dengan dosis 12 mg ml/kg BB/ hari ekstrak sambiloto (P3). Data yang diperoleh dianalisis secara deskriptif. Hasil penelitian menunjukan rata-rata Total Protein Plasma ayam kampung jantan yaitu P0=3,43±0,31 mg/dl, P1=3,37±0,06 mg/dl, P2=3,63±0,21 mg/dl, P3=3,47±0,21 mg/dl dan kadar Gula Darah yaitu P0=205,33±17,62 mg/dl, P1=204,67±18,48 mg/dl, P2=226,00±8,54 mg/dl, P3=234,67±28,75 mg/dl.

Kata Kunci : Ayam Kampung Jantan, Ekstrak Sambiloto, Glukosa Darah, Total Protein Plasma

ABSTRAK

THE EFFECT OF SAMBILOTO EXTRACT SUPLEMENTATION ON TOTAL PROTEIN PLASMA AND BLOOD SUGAR LEVELS OF ROOSTER CHICKEN

By

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This study aims to determine the effect of Sambiloto (Andrographis paniculata Ness) on Total Plasma Protein (TPP) and Blood Sugar Levels in male native chickens (Gallus gallus domesticus). This research will be conducted in January -- March 2022 at the Integrated Field Laboratory, Faculty of Agriculture, University of Lampung. Analysis of total plasma protein and blood sugar levels of male free-range chickens was carried out at the Pramitra Biolab Indonesia Laboratory, Lampung. The experimental design used Completely Randomized Design (RAL) was a with 4 treatments and 3 replications. The treatments were drinking water without extract of sambiloto (P0), drinking water at a dose of 3 mg/kg BW/day extract of sambiloto (P1), drinking water with a dose of 6 mg/kg BW/day. day of sambiloto extract (P2), drinking water at a dose of 12 mg ml/kg BW/day of sambiloto extract (P3). The data obtained were analyzed descriptively. The results showed that the average total plasma protein of roosters was P0=3,43±0,31 mg/dl, P1=3,37±0,06 mg/dl, P2=3,63±0,21 mg/dl.P3=3,47±0,21 mg/dl and blood sugar levels were P0=205,33±17,62 mg/dl, P1=204,67±18,48 mg/dl, P2=226,00±8,54 mg/dl, P3=234,67±28,75 mg/dl.

Keyword : Blood Glucose, Rooster Chicken, Sambiloto Extract, Total Plasma Protein