

ABSTRAK

PENGARUH SUBSTITUSI TONGKOL JAGUNG TERAMONIASI TERHADAP TOTAL PROTEIN PLASMA DAN GLUKOSA DARAH DOMBA EKOR TIPIS JANTAN

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Tujuan penelitian ini adalah untuk mengetahui total protein plasma dan glukosa darah domba Ekor Tipis jantan yang diberikan substitusi tongkol jagung teramoniasi di Kandang Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung. Rancangan percobaan yang digunakan yaitu Rancangan Acak Kelompok (RAK) dengan 3 perlakuan dan 5 ulangan yang terdiri dari pakan basal (*complete feed*) 100% (P0), pakan basal 75% + tongkol jagung teramoniasi 25% (P1), dan pakan basal 50% + tongkol jagung teramoniasi 50% (P2). Sampel pada penelitian ini terdiri dari 15 ekor domba Ekor Tipis jantan. Pemeriksaan dilakukan di Laboratorium, Klinik Pramitra Biolab Indonesia, Bandar Lampung menggunakan metode GOD-PAP dan Biuret. Data yang diperoleh dianalisis dengan analisis of varian (ANOVA). Hasil penelitian menunjukkan bahwa perlakuan P0, P1, dan P2 tidak berpengaruh nyata terhadap total protein plasma dan glukosa darah. Rata-rata total protein plasma $6,96 \pm 0,64$ g/dL (P0), $6,86 \pm 0,56$ g/dL (P1), $6,52 \pm 0,31$ g/dL (P2), dan rata-rata glukosa darah $59,80 \pm 8,41$ mg/dL (P0), $58,00 \pm 2,92$ mg/dL (P1), $51,80 \pm 3,56$ mg/dL (P2). Dari hasil penelitian dapat diambil kesimpulan bahwa total protein plasma dan glukosa darah domba Ekor Tipis jantan yang diberi substitusi tongkol jagung teramoniasi masih berada pada kisaran normal.

Kata Kunci : Domba Ekor Tipis, Tongkol Jagung, Amoniasi, Total Protein Plasma, Glukosa Darah

ABSTRACT

THE EFFECT OF AMMONIZED CONCORB AS A SUBSTITUTE ON TOTAL PLASMA PROTEIN AND BLOOD GLUCOSE LEVELS OF MALE THIN-TAILED SHEEP

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The purpose of this research is to discover the effect of ammonized corncob substitute on total plasma protein and blood glucose of male short-tailed sheep in the University of Lampung's Agriculture department's Animal Science course's livestock pen, Agriculture faculty. The experimental design used was a randomized block design (RBD) with 3 treatments and 5 replications consisting of basal feed (complete feed) 100% (P0), basal feed 75% + ammonized corncob 25% (P1), basal feed 50% + ammonized corncob 50% (P2). The samples for this study are from 15 male short-tailed sheep. The blood test was conducted in Klinik Pramitra Biolab Indonesia's Laboratory in Bandar Lampung using GOD-PAP and Biuret method. Data was then compiled and analysed using ANOVA (Analysis of Variance). The results showed that treatments P0, P1, and P2 had no significant effect on total plasma protein and blood glucose. Average plasma protein is $6,96 \pm 0,64$ g/dL (P0), $6,86 \pm 0,56$ g/dL (P1), $6,52 \pm 0,31$ g/dL (P2), and the average blood glucose level is $59,80 \pm 8,41$ mg/dL (P0), $58,00 \pm 2,92$ mg/dL (P1), $51,80 \pm 3,56$ mg/dL (P2). From the results of this study, we can conclude that the total plasma protein and blood glucose level of the male short-tailed sheep that have been given ammonized corncob substitute are still within normal parameters.

Keywords : Thin-Tailed Sheep, Corncob, Ammonized, Total Plasma Protein, Blood Glucose