

ABSTRAK

PENGARUH IMBANGAN PAKAN HIJAUAN (DAUN SINGKONG) DAN PAKAN KONSENTRAT TERHADAP KADAR GLUKOSA DARAH DAN TOTAL PROTEIN PLASMA KAMBING PERANAKAN ETAWA (PE)

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Tujuan penelitian ini untuk mengetahui pengaruh perbandingan imbalanced pakan hijauan (daun singkong) dan konsentrat serta yang terbaik pada ransum terhadap kadar glukosa darah dan total protein plasma Kambing PE. Penelitian ini dilaksanakan pada November--Desember 2023 di Peternakan Morgan *Farm*, Kecamatan Gedong Tataan, Kabupaten Pesawaran. Rancangan percobaan yang digunakan adalah Rancangan Acak Kelompok (RAK) dengan 3 perlakuan dan 3 ulangan menggunakan 9 ekor kambing PE yang dikelompokkan berdasarkan produksi susu harian. Perlakuan yang digunakan yaitu P1: Hijauan 25% + Konsentrat 75%, P2: Hijauan 50% + Konsentrat 50%, P3: Hijauan 75% + Konsentrat 25%. Data yang diperoleh dianalisis menggunakan *Analysis of Variance* (ANOVA) pada taraf nyata 5%. Peubah yang diamati yaitu kadar glukosa dalam darah dan total protein plasma Kambing PE. Imbalanced pakan hijauan (daun singkong) dan konsentrat menunjukkan hasil tidak berpengaruh nyata ($P>0,05$) terhadap kadar glukosa darah dan total protein plasma Kambing PE. Berdasarkan penelitian yang dilakukan dapat disimpulkan bahwa imbalanced pakan hijauan (daun singkong) dan konsentrat yang diberikan sebagai ransum tidak berpengaruh pada kadar glukosa darah dan total protein plasma pada Kambing PE.

Kata kunci: Hijauan, Kadar Glukosa, Kambing PE, Konsentrat, Total Protein Plasma

ABSTRACT

BALANCE OF FORAGE FEED (CASSAVA LEAVES) AND CONCENTRATE FEED ON BLOOD GLUCOSE LEVELS AND TOTAL PLASMA PROTEIN OF ETAWA CROSSBREED GOATS

By

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The aim of this research was to determine the effect of the ratio of the balance of forage feed (cassava leaves) and concentrate feed as well as the best balance in the diet on blood glucose levels and total plasma protein in PE goats. The research was carried out in November--December 2023 at Morgan Farm, Gedong Tataan sub-district, Pesawaran district. The experimental design used was a randomized block design (RAK) with 3 treatments and 3 replications using 9 PE goats grouped based on daily milk production. The treatment used is P1: forage 25% + concentrate 75%, P2: forage 50% + concentrate 50%, P3: forage 75% + concentrate 25%. The data obtained were analyzed using analysis of variance (ANOVA) at a significance level of 5%. The variables observed were blood glucose levels and total plasma protein in PE goats. The balance of forage (cassava leaves) and concentrate showed that the result had no significant effect on blood glucose levels and total plasma protein in PE goats. Based on the research conducted, it can be concluded that the balance of forage (cassava leaves) and concentrate given as a ration has no effect on blood glucose levels and total plasma protein in PE goats.

Keywords: Forage, Blood glucose levels, Etawa crossbreed goats, Total plasma protein, Concentrate