

ABSTRAK

PENGARUH SUBSTITUSI TEPUNG DAUN KELOR (*Moringa Oleifera*) PADA RANSUM TERHADAP TOTAL LEUKOSIT DAN DIFERENSIAL LEUKOSIT KAMBING PERANAKAN BOER

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Penelitian ini bertujuan untuk mengetahui pengaruh pemberian tepung daun kelor terhadap total leukosit dan diferensial leukosit darah kambing peranakan Boer. Penelitian ini dilaksanakan pada Desember 2023 sampai Januari 2024 di Peternakan Perkasa, Desa Simpang Agung, Kecamatan Seputih Agung, Lampung Tengah, Lampung. Pemeriksaan total leukosit, dan diferensial leukosit dilakukan di Laboratorium Patologi, Balai Veteriner Lampung. Rancangan percobaan menggunakan Rancangan Acak Kelompok (RAK) dengan 3 perlakuan 5 ulangan menggunakan 15 ekor kambing peranakan Boer yang dikelompokkan berdasarkan bobot badan. Perlakuan yang diberikan yaitu ransum ransum basal (P0), ransum basal +5% tepung daun kelor (P1), ransum basal + 10% tepung daun kelor (P2). Data yang diperoleh disusun dalam bentuk tabulasi dan histogram untuk dianalisis secara deskriptif. Hasil penelitian ini rata-rata total leukosit berkisar $17,73\text{--}17,84 \times 10^3/\mu\text{L}$. rata-rata neutrofil berkisar 39,4--59%, rata-rata eosinofil berkisar 0--2,6%, rata-rata basofil berkisar 0,6--2,6%, rata-rata limfosit berkisar 4,4--21,8%, rata-rata monosit berkisar 21--49,8%. Kesimpulan dari penelitian ini yaitu substitusi tepung daun kelor tidak memberikan pengaruh terhadap total leukosit dan diferensial leukosit kambing peranakan Boer.

Kata kunci: Kambing Peranakan Boer, Darah, Tepung Daun Kelor, Total Leukosit dan Diferensial Leukosit.

ABSTRACT

EFFECT OF MORINGA LEAF FLOUR SUBSTITUTION (*Moringa Oleifera*) IN RATIO ON TOTAL LEUKOCYTES AND DIFFERENTIAL LEUKOCYTES IN BOER BREED GOATS

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This study aims to determine the effect of giving Moringa leaf flour on the total leukocytes and blood leukocyte differential of Boer cross-breed goats. This research was carried out from December 2023 to January 2024 at Perkasa Farms, Simpang Agung Village, Seputih Agung District, Central Lampung, Lampung. Examination of total leukocytes and differential leukocytes was carried out at the Pathology Laboratory, Lampung Veterinary Center. The experimental design used a Randomized Block Design (RAK) with 3 treatments and 5 replications using 15 Boer cross-breed goats grouped based on body weight. The treatments given were basal diet (P0), basal diet + 5% Moringa leaf flour (P1), basal diet + 10% Moringa leaf flour (P2). The data obtained was arranged in tabulation and histogram form for descriptive analysis. The results of this study mean total leukocytes ranged from 17.73--17.84 x10⁶/ μL. the average neutrophil ranges from 39.4--59%, the average eosinophil ranges from 0--2.6%, the average basophil ranges from 0.6--2.6%, the average lymphocyte ranges from 4.4- -21.8%, average monocytes range from 21-49.8%. The conclusion of this research is that the substitution of Moringa leaf flour has no effect on the total leukocytes and leukocyte differential of Boer cross-breed goats.

Keywords: Boer cross-breed goats, blood, Moringa leaf flour, total leukocytes and differential leukocytes.