

ABSTRAK

PENGARUH SUPLEMENTASI TEMU IRENG (*Curcuma aeruginosa*) DALAM KONSENTRAT TERHADAP TOTAL LEUKOSIT DAN DEFERENSIAL LEUKOSIT PADA DARAH KAMBING JAWARANDU

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Penelitian ini bertujuan untuk mengetahui pengaruh suplementasi temu ireng (*Curcuma aeruginosa*) dan untuk mengetahui level terbaik suplementasi temu ireng (*Curcuma aeruginosa*) pada konsentrat terhadap total leukosit dan diferensial leukosit pada darah kambing Jawarandu. Penelitian ini dilakukan pada Maret–Mei 2024 yang berlokasi di peternakan kambing Desa Adi Jaya, Kecamatan Terbangi Besar, Kabupaten Lampung Tengah. Pemeriksaan total leukosit, dan diferensial leukosit yang dilaksanakan di Rumah Sakit Hewan Prof. Soeparwi, Fakultas Kedokteran Hewan, Universitas Gadjah Mada, Yogyakarta. Penelitian ini menggunakan Rancangan Acak Kelompok (RAK) dengan 4 perlakuan dan 3 kali pengulangan sehingga terdapat 12 unit percobaan. Perlakuan yang diberikan yaitu P0: Konsentrat; P1: Konsentrat + 750 mg/hari/ekor Temu ireng (*Curcuma aeruginosa*); P2: Konsentrat + 1.500 mg/hari/ekor Temu ireng (*Curcuma aeruginosa*); P3: Konsentrat + 2.250 mg /hari/ekor Temu ireng (*Curcuma aeruginosa*). Hasil penelitian diperoleh bahwa penambahan tepung temu ireng dalam konsentrat pada kambing Jawarandu memiliki nilai rata-rata jumlah neutrofil, basofil, eosinofil dan limfosit dalam kisaran normal, sedangkan rata-rata total leukosit dan monosit diatas kisaran normal;

Kata kunci: deferensial leukosit, kambing Jawarandu, temu ireng, total leukosit.

ABSTRACT

THE EFFECT OF SUPPLEMENTATION OF TEMU IRENG (*Curcuma aeruginosa*) IN CONCENTRATE ON TOTAL LEUKOCYTES AND LEUKOCYTES DIFFERENTIAL IN THE BLOOD OF JAVARANDU GOATS

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This study aims to determine the effect of black turmeric (*Curcuma aeruginosa*) supplementation and to determine the best level of black turmeric (*Curcuma aeruginosa*) supplementation in concentrate on total leukocytes and differential leukocytes in the blood of Randurandu goats. This study was conducted in March-May 2024 located in the Adi Jaya Village goat farm, Terbangi Besar District, Central Lampung Regency. Examination of total leukocytes and differential leukocytes was carried out at the Prof. Soeparwi Animal Hospital, Faculty of Veterinary Medicine, Gadjah Mada University, Yogyakarta. This study used a Randomized Block Design (RAK) with 4 treatments and 3 repetitions so that there were 12 experimental units. The treatments given were P0: Concentrate; P1: Concentrate + 750 mg / day / head Black turmeric (*Curcuma aeruginosa*); P2: Concentrate + 1.500 mg/day/head Black turmeric (*Curcuma aeruginosa*); P3: Concentrate + 2.250 mg/day/head Black turmeric (*Curcuma aeruginosa*). The results of the study showed that the addition of black turmeric flour in concentrate in Jawarandu goats had an average value of the number of neutrophils, basophils, eosinophils and lymphocytes within the normal range, while the average total leukocytes and monocytes were above the normal range

Keywords: leukocyte differentials, Jawarandu goats, black ginger, total leukocytes.