ABSTRAK

GAMBARAN TOTAL LEUKOSIT DAN DIFERENSIAL LEUKOSIT PADA AYAM KAMPUNG DENGAN PEMBERIAN EKSTRAK DAUN BINAHONG DALAM AIR MINUM

Oleh

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Penelitian ini bertujuan untuk mengetahui pemberian ekstrak daun binahong (*Anredera cordifolia (Ten.) Steenis*) terhadap jumlah sel leukosit dan diferensial leukosit pada ayam KUB. Penelitian ini dilaksanakan pada September 2024 – November 2024 di kandang ayam Laboratorium Lapang Terpadu, Fakultas Pertanian, Univeritas Lampung. Penelitian ini menggunakan metode Rancangan Acak Lengkap (RAL) dengan 5 perlakuan dan 3 ulangan. Perlakuan yang diberikan pada penelitian ini yaitu P0: Air minum tanpa ekstrak daun binahong; P1: Air minum dengan 150 mg ekstrak daun binahong/kg BB/hari; P2: Air minum dengan 200 mg ekstrak daun binahong/kg BB/hari; P3: Air minum dengan 250 mg ekstrak daun binahong/kg BB/hari; dan P4: Air minum dengan 300 mg ekstrak daun binahong/kg BB/hari. Analisis total leukosit dan diferensial leukosit dilaksanakan di Rumah Sakit Hewan Prof. Soeparwi, Fakultas Kedokteran Hewan, Universitas Gadjah Mada. Data yang diperoleh dianalisis menggunakan analisis deskriptif. Hasil penelitian menunjukkan bahwa pemberian ekstrak daun binahong pada ayam jantan KUB memiliki nilai rata-rata total leukosit, eosinofil, basofil, dan monosit berada pada kisaran normal, total neutrofil berada di atas kisaran normal, dan total limfosit berada di bawah kisaran normal. Berdasarkan hasil penelitian dapat disimpulkan bahwa pemberian ekstrak daun binahong dengan dosis sebesar 200 mg/kg BB/hari dalam air minum memberikan hasil yang normal pada jumlah leukosit dan diferensialnya dalam mempertahankan kesehatan ayam KUB.

Kata kunci: Ayam Kampung, Total Leukosit, Diferensial Leukosit, Ekstrak Daun Binahong.

ABSTRACT

TOTAL OF LEUKOCYTES AND LEUKOCYTE DIFFERENTIALS IN NATIVE CHICKENS WITH ADDING BINAHONG LEAF EXTRACT IN DRINKING WATER

By

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This study aim to determined the adding of binahong leaf extract (*Anredera cordifolia (Ten.) Steenis*) on the total of leukocyte cells and leukocyte differentials in KUB chickens. This research was carried out in September 2024 – November 2024 in the chicken coop of the Integrated Field Laboratory, Faculty of Agriculture, University of Lampung. This study used the Complete Random Design (CRD) method with 5 treatments and 3 replicates. The treatment given in this study was P0: Drinking water without binahong leaf extract; P1: Drinking water with 150 mg of binahong leaf extract/kg BW/day; P2: Drinking water with 200 mg of binahong leaf extract/kg BW/day; P3: Drinking water with 250 mg of binahong leaf extract/kg BW/day; and P4: Drinking water with 300 mg of binahong leaf extract/kg BW/day. Total analysis of leukocytes and leukocyte differentials was carried out at the Prof. Soeparwi Veterinary Hospital, Faculty of Veterinary Medicine, Gadjah Mada University. The data obtained were analyzed using descriptive analysis. The results showed that the using of binahong leaf extract to KUB roosters had an average value of total leukocytes, eosinophils, basophils, and monocytes in the normal range, total neutrophils above the normal range, and total lymphocytes below the normal range. Based on the results of the study, it can be concluded that the adding of binahong leaf extract at a dose of 200 mg/kg BW/day in drinking water gives normal results in the number of leukocytes and their differentials in maintaining the health of KUB chickens.

Keywords: Native Chicken, Total Leukocytes, Leukocyte Differential, Leaf Extract Binahong.