ABSTRAK

PENGARUH PEMBERIAN EKSTRAK MIMBA (*Azadiractha indica A. juss*) DALAM AIR MINUM TERHADAP GAMBARAN TOTAL SEL DARAH MERAH, HEMOGLOBIN, DAN *PACKED CELL VOLUME* PADA AYAM KAMPUNG JANTAN

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Penelitian ini bertujuan untuk mengetahui gambaran darah (sel darah merah, hemoglobin dan *packed cell volume*) pada ayam kampung jantan dengan pemberian ekstrak daun mimba melalui air minum. Penelitian ini dilaksanakan pada November 2025 sampai Desember 2025 di Kandang Laboratorium Lapang Terpadu, Fakultas Pertanian, Universitas Lampung. Analisis Sampel darah dilaksanakan di Laboratorium Diagnostik Veteriner, Jl. Griya Taman Asri, Sleman, D I Yogyakarta. Penelitian ini menggunakan 5 perlakuan dan 3 ulangan. Perlakuannya adalah P0: Air minum tanpa ekstrak mimba; P1: 2,5 mg ekstrak mimba /kg Berat Badan (BB)/hari; P2: 5 mg ekstrak mimba /kg berat badan (BB)/hari; P3: 10 mg ekstrak mimba /kg berat badan (BB)/hari; P4: 20 mg ekstrak mimba /kg berat badan (BB)/hari. Data yang diperoleh dianalisis secara deskriptif. Hasil penelitian menunjukkan bahwa nilai rata-rata kadar sel darah merah ayam kampung jantan yang diberi ekstrak mimba berkisar antara 2,36--3,68 $10^6/\mu L$, nilai rata-rata hemoglobin ayam kampung jantan yang diberi ekstrak mimba berkisar antara 8,47--9,27 g/dL, dan nilai rata rata *packed cell volume* yang diberi ekstrak mimba berkisar antara 24,83--28 %. Kesimpulannya bahwa pemberian ekstrak daun mimba dapat mempertahankan nilai eritrosit, hemoglobin, dan PCV ayam kampung jantan dalam kisaran normal.

Kata kunci : Ayam kampung jantan, ekstrak mimba, hemoglobin, *pcked cell volume,* sel darah merah..

ABSTRACT

THE EFFECT OF NEEM EXTRACT (*Azadirachta indica* A. Juss) ADMINISTERED THROUGH DRINKING WATER ON TOTAL RED BLOOD CELL COUNT, HEMOGLOBIN, AND *PACKED CELL VOLUME* IN MALE NATIVE CHICKENS

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This study aims to determine the blood profile (red blood cells, hemoglobin and packed cell volume) in male native chickens by administering neem leaf extract through drinking water.. The study was conducted from November 2025 to December 2025 at the Integrated Field Laboratory Cage, Faculty of Agriculture, University of Lampung, while blood sample analysis was carried out at the Veterinary Diagnostic Laboratory, Griya Taman Asri Street, Sleman, Special Region of Yogyakarta. This research employed an experimental design with five treatments and three replications, consisting of P0: drinking water without neem extract; P1: 2.5 mg neem extract/kg body weight (BW)/day; P2: 5 mg neem extract/kg body weight (BW)/day; P3: 10 mg neem extract/kg body weight (BW)/day; and P4: 20 mg neem extract/kg body weight (BW)/day. The data obtained were analysed descriptively. The results showed that the average red blood cell values of male native chickens given neem extract ranged from 2.36 to 3.68 10^6/µL, the average haemoglobin levels ranged from 8.47 to 9.27 g/dL, and the average *packed cell volume* values ranged from 24.83 to 28%. In conclusion, the administration of neem leaf extract was able to maintain erythrocyte, haemoglobin, and PCV values of male native chickens within the normal range.

Keywords : Male native chicken, neem extract, red blood cells, haemoglobin, p*acked cell volume*.