

ABSTRAK

GAMBARAN DARAH (SEL DARAH MERAH, HEMOGLOBIN, DAN PCV) PADA AYAM KAMPUNG JANTAN DENGAN PEMBERIAN KOMBINASI VITAMIN E, SELENIUM, DAN ZINC MELALUI AIR MINUM

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Tujuan penelitian ini untuk mengetahui gambaran darah (sel darah merah, hemoglobin, dan *picked cell volume* (PCV)) pada ayam kampung jantan dengan pemberian kombinasi vitamin E, selenium, dan *zinc*. Penelitian dilaksanakan pada Januari-Maret 2022 di unit kandang Laboratorium Lapang Terpadu, Fakultas Pertanian, Universitas Lampung. Pemeriksaan sampel darah dilakukan di Laboratorium Patologi Klinik, Fakultas Kedokteran Hewan, Universitas Gadjah Mada. Penelitian eksperimental menggunakan 4 perlakuan dan 3 ulangan. Perlakuan yang diberikan melalui air minum dengan P0; (kontrol), P1; 0,015 g/kg BB (vitamin E 0,6 IU, selenium 0,06 mg, dan *zinc* 2,4 mg), P2; 0,03 g/kg BB (vitamin E 1,2 IU, selenium 0,012 mg, dan *zinc* 4,8 mg), P3; 0,06 g/kg BB (vitamin E 2,4 IU, selenium 0,024 mg, dan *zinc* 9,6 mg). Data yang diperoleh dianalisis secara deskriptif. Hasil penelitian menunjukkan bahwa pemberian kombinasi vitamin E, selenium, dan *zinc* pada ayam kampung jantan dapat meningkatkan sel darah merah dan hemoglobin serta mempertahankan *packed cell volume* (PCV) pada kisaran normal.

Kata kunci: Sel Darah Merah, Hemoglobin, Ayam Kampung Jantan, Vitamin E, Selenium, *Zinc*

ABSTRACT

BLOOD PROFILE (RED BLOOD CELLS, HEMOGLOBIN, AND PCV) ON MALE KAMPUNG CHICKEN WITH A COMBINATION OF VITAMIN E, SELENIUM, AND ZINC IN DRINKING WATER

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The aim of this study were to determine the blood profile (red blood cell, hemoglobin, and picked cell volume (PCV)) in male kampung chickens with a combination of vitamin E, selenium, and *zinc*. The research was conducted on January-March 2022 at the cage unit of the Integrated Field Laboratory, Faculty of Agriculture, University of Lampung. The blood analysis was done at the Clinical Pathology Laboratory, Faculty of Veterinary Medicine, Gadjah Mada University. Experimental research using 4 treatments and 3 replications. Treatment given through drinking water with P0; (control), P1; 0.015 g/kg BW (vitamin E 0.6 IU, selenium 0.06 mg, and *zinc* 2.4 mg), P2; 0.03 g/kg BW (vitamin E 1.2 IU, selenium 0.012 mg, and *zinc* 4.8 mg), P3; 0.06 g/kg BW (vitamin E 2.4 IU, selenium 0.024 mg, and *zinc* 9.6 mg). The result obtained were analyzed with descriptive. The results showed that combination of vitamin E, selenium, and *zinc* in male kampung chickens could increase red blood cells and hemoglobin, while the packed cell volume (PCV) were in the normal range.

Keywords: Red Blood Cells, Hemoglobin, Male Kampung chickens, Vitamin E, Selenium, *Zinc*