

## ABSTRAK

### GAMBARAN SEL DARAH MERAH, HEMOGLOBIN, DAN *PACKED CELL VOLUME* AYAM ULU BETINA DENGAN PEMBERIAN JINTAN HITAM (*Nigella sativa*)

Oleh

Amaylia Fransisca

Tujuan dari penelitian ini adalah untuk mengetahui gambaran total sel darah merah, hemoglobin, dan packed cell volume ayam ULU betina dengan pemberian Jintan Hitam (*Nigella sativa*). Penelitian ini dilaksanakan pada 20 Desember 2022–18 Februari 2023 di Laboratorium Lapang Terpadu, Fakultas Pertanian, Universitas Lampung dan di Kinkou Petcare, Bandar Lampung. Penelitian ini menggunakan Rancangan Acak Lengkap (RAL) dengan 4 perlakuan dan 3 ulangan. Perlakuan yang diberikan pada penelitian ini yaitu pakan tanpa *Nigella sativa* (P0), pakan dengan 36 mg/kg BB/hari *Nigella sativa* (P1), pakan dengan 72 mg/kg BB/hari *Nigella sativa* (P2), pakan dengan 144 mg/kg BB/hari *Nigella sativa* (P3). Data dianalisis dengan analisis deskriptif. Hasil penelitian menunjukkan bahwa: kadar sel darah merah ayam ULU betina mendapatkan hasil P1 ( $2,7 \times 10^6/\mu\text{L}$ ) ; P2 ( $2,6 \times 10^6/\mu\text{L}$ ) ; P3 ( $2,6 \times 10^6/\mu\text{L}$ ) ; P0 ( $2,5 \times 10^6/\mu\text{L}$ ), nilai hemoglobin ayam ULU betina pada P0 (12,7 g/dl), berada pada kisaran normal sedangkan pada P1 (14,3 g/dl), P2 (13,8), dan P3 (13,8 g/dl) memiliki hasil diatas rata-rata dan nilai *packed cell volume* ayam ULU betina pada P0 (28,2%), P1 (31,2%), P2 (30,3%), P3 (30,3%) berada pada kisaran normal.

Kata kunci: Ayam ULU betina, sel darah merah, hemoglobin, hematokrit, *Nigella sativa*

## ABSTRACT

### **BLOOD PROFILE RED BLOOD CELL, HEMOGLOBIN, AND *PACKED CELL VOLUME* ON FEMALE ULU CHICKEN WITH A BLACK CUMIN (*Nigella sativa*)**

By

**Amaylia Fransisca**

The purpose of this study was to determine the description of total red blood cells, hemoglobin, and packed cell volume of female ULU chicken by giving black cumin (*nigella sativa*). This research was conducted from December 20, 2022 to February 18, 2023 at the Integrated Field Laboratory, Faculty of Agriculture, University of Lampung and at Kinkou Petcare, Bandar Lampung. This study used a completely randomized design (CRD) with 4 treatments and 3 replicates. The treatments given in this study were feed without *Nigella sativa* (P0), feed with 36 mg/kg BW/day *Nigella sativa* (P1), feed with 72 mg/kg BW/day *Nigella sativa* (P2), feed with 144 mg/kg BW/day *Nigella sativa* (P3). Data were analyzed by descriptive analysis. The results showed that: red blood cell levels of female ULU chickens obtained P1 results ( $2,7 \times 10^6/\mu\text{L}$ ); P2 ( $2,6 \times 10^6/\mu\text{L}$ ) ; P3 ( $2,6 \times 10^6/\mu\text{L}$ ) ; P0 ( $2,5 \times 10^6/\mu\text{L}$ ), the hemoglobin value of ULU hens at P0 (12,7 g/dl), was in the normal range while at P1 (14,3 g/dl), P2 (13,8 g/dl), and P3 (13,8 g/dl) had the results above the average and the value of the packed cell volume of female ULU chickens at P0 (28,2%), P1 (31,2%), P2 (30,3%), P3 (30,3%) were in the normal range.

**Keywords:** Female ULU chicken, red blood cells, hemoglobin, hematocrit, *Nigella sativa*.