

## **ABSTRAK**

### **EFEKTIVITAS PEMBERIAN JINTAN HITAM (*Nigella sativa*) TERHADAP TOTAL LEUKOSIT DAN DIFERENSIAL LEUKOSIT AYAM UNGGAS LESTARI UNGGUL (ULU) JANTAN**

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Penelitian ini bertujuan untuk mengetahui efektivitas pemberian jintan hitam (*Nigella sativa*) terhadap total leukosit dan diferensial leukosit pada ayam unggas lestari unggul (ULU) jantan. Mengetahui dosis jintan hitam (*Nigella sativa*) yang terbaik terhadap total leukosit dan diferensial leukosit pada ayam ULU jantan. Penelitian ini telah dilaksanakan pada bulan Desember 2022 sampai Februari 2023 di unit kandang Laboratorium Lapang Terpadu, Fakultas Pertanian, Universitas Lampung dan Laboratorium Patologi Klinik, Fakultas Kedokteran Hewan, Universitas Gadjah Mada, Daerah Istimewa Yogyakarta. Penelitian ini dilakukan dengan menggunakan metode eksperimental rancangan acak lengkai (RAL) dengan 4 perlakuan dengan setiap perlakuan diulang sebanyak 3 kali. P0 : pakan tanpa campuran *Nigella sativa* P1 : pakan dengan 36 mg/kg BB/hari *Nigella sativa* P2 : pakan dengan 72 mg/kg BB/hari *Nigella sativa* P3 : pakan dengan 144 mg/kg BB/ hari *Nigella sativa*. Data yang diperoleh dianalisis secara deskriptif. Hasil penelitian menunjukkan bahwa pemberian *Nigella sativa* pada ayam ULU jantan umur 56 hari memiliki nilai rata-rata leukosit dan diferensial leukosit pada kisaran normal. Berdasarkan penelitian yang telah dilakukan pemberian *Nigella sativa* pada ayam ULU jantan dianjurkan dengan dosis 72 mg/kg BB/hari.

Kata kunci : *Nigella sativa*, Ayam ULU, Leukosit, Diferensial Leukosit.

## **ABSTRACT**

### **EFFECTIVENESS OF GIVING BLACK CUMBIN (*Nigella sativa*) ON TOTAL LEUKOCYTE AND LEUKOCYTE DIFFERENTIAL SUPERIOR SUSTAINABLE POULTRY (ULU) ROOSTER**

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This study aims to determine the effectiveness of black cummin (*Nigella sativa*) administration on total leukocytes and leukocyte differential in male superior sustainable poultry (ULU) rooster. Knowing the best dose of black cummin (*Nigella sativa*) on total leukocytes and leukocyte differential in male ULU chickens. This research was carried out from December 2022 to February 2023 in the cage unit of the Integrated Field Laboratory, Faculty of Agriculture, University of Lampung and Clinical Pathology Laboratory, Faculty of Veterinary Medicine, Gadjah Mada University, Special Region of Yogyakarta. This research was conducted using the experimental method a completely randomized design with 4 treatments with each treatment being repeated 3 times. P0: feed without *Nigella sativa* mixture P1: feed with 36 mg/kg BW/day *Nigella sativa* P2: feed with 72 mg/kg BW/day *Nigella sativa* P3: feed with 144 mg/kg BW/day *Nigella sativa*. The data obtained were analyzed descriptively. The results showed that the administration of *Nigella sativa* to male ULU chickens aged 56 days had an average leukocyte and leukocyte differential value in the normal range. Based on research that has been done, giving *Nigella sativa* to male ULU chickens is recommended at a dose of 72 mg/kg BW/day.

Keywords: *Nigella sativa*, ULU chicken, leukocytes, leukocyte differentia.