

ABSTRAK

GAMBARAN TOTAL LEUKOSIT DAN DIFERENSIAL LEUKOSIT AYAM KAMPUNG (*Gallus gallus domesticus*) DENGAN PEMBERIAN EKSTRAK SAMBILOTO (*Andrographis paniculata*)

Oleh

Dimas Aji Fakhruddin

Penelitian ini bertujuan untuk mengetahui total leukosit dan diferensial leukosit ayam kampung (*Gallus gallus domesticus*) dengan pemberian ekstrak sambiloto (*Andrographis paniculata*). Penelitian ini 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 ini menggunakan 4 perlakuan dan 3 ulangan. Perlakuan P0 tanpa pemberian ekstrak sambiloto (*Andrographis paniculata*); P1 dosis 3 mg/kg BB/hari; P2 dosis 6 mg/kg BB/hari; P3 dosis 12 mg/kg BB/hari. Data yang diperoleh dianalisis secara deskriptif. Hasil penelitian menunjukkan bahwa pemberian ekstrak sambiloto (*Andrographis paniculata*) pada ayam kampung jantan umur 54 hari memiliki nilai rata-rata total leukosit, basofil, dan monosit berada di atas kisaran normal, dan total neutrofil, eosinofil, dan limfosit berada pada kisaran normal.

Kata Kunci: *Andrographis paniculata*, Ayam Kampung, Diferensial Leukosit, Leukosit.

ABSTRACT

DESCRIPTION OF LEUCOCYTE TOTALS AND DIFFERENTIAL LEUCOCYTE ROSTER (*Gallus gallus domesticus*) WITH GIVING SAMBILOTO EXTRACT (*Andrographis paniculata*)

By

Dimas Aji Fakhruddin

This research intended to determine the level leucocyte totals and differential leucocyte roster (*Gallus gallus domesticus*) with giving sambiloto extract (*Andrographis paniculata*). This research was conducted in January--March 2022 at Integrated Field Laboratory, Agriculture Faculty, Lampung University. The blood analysis was done in Clinical Pathology Laboratory, Veterinary Medicine Faculty, Gadjah Mada University. This research used with 4 treatments and 3 replications. The treatments is used P0 without sambiloto extract (*Andrographis paniculata*); P1 with addition of 3 mg/kg BB/day; P2 with addition of 6 mg/kg BB/day; and P3 with addition of 12 mg/kg BB/day. The result obtained were analyzed with descriptive. The results showed that sambiloto extract (*Andrographis paniculata*) the 54 days old roster has an average value of totals leucocyte, basophils, and monocytes above the normal range, and the totals neutrophils, eosinophils, and lymphocytes were in the normal range.

Keywords: Andrographis paniculata, Roster, Differential Leucocyte, Leucocyte.