

## ABSTRAK

### **PENGARUH PEMBERIAN EKSTRAK MENIRAN PADA AIR MINUM TERHADAP TOTAL LEUKOSIT, TOTAL ERITROSIT, KADAR HEMOGLOBIN DAN KADAR HEMATOKRIT PADA *BROILER* JANTAN**

Oleh

**Muhamad Satya Apriza**

Penelitian ini bertujuan untuk mengetahui tingkat meniran yang terbaik dan total leukosit, eritrosit, kadar hemoglobin dan kadar hematokrit. Penelitian ini dilaksanakan pada April—Mei 2019 di unit kandang Laboratorium Lapangan Terpadu Fakultas Pertanian, Universitas Lampung. Analisis darah dilaksanakan di Bioklinik Pramitra Bandar Lampung. Rancangan percobaan yang digunakan adalah Rancangan Acak Lengkap (RAL) terdiri atas empat perlakuan pemberian ekstrak meniran (*Phyllanthus niruri L.*) dalam air minum, setiap perlakuan diulang sebanyak lima kali. Perlakuan yang diberikan adalah P0: Air minum tanpa ekstrak meniran (kontrol); P1: Air minum dengan 1,5 mg/kg bb/hari ekstrak meniran; P2: Air minum dengan 3 mg/kg bb/hari ekstrak meniran; P3: Air minum dengan 4,5 mg/kg bb/hari ekstrak meniran. Data profil darah (total leukosit, total eritrosit, kadar hemoglobin dan kadar hematokrit) dari masing-masing perlakuan dan kontrol diolah dengan analisis menggunakan ANOVA dengan taraf signifikansi 5%. Pemberian ekstrak meniran tidak berpengaruh nyata terhadap total leukosit, total eritrosit, kadar hemoglobin dan kadar hematokrit *broiler* jantan. Total leukosit pada semua perlakuan menunjukkan diatas kisaran normal. Total eritrosit, kadar hemoglobin dan nilai hematokrit pada semua perlakuan berada pada kisaran normal.

Kata kunci: Ekstrak meniran, total leukosit, total eritrosit, kadar hemoglobin, kadar hematokrit, *broiler* jantan

## **ABSTRACT**

### **THE EFFECT EXTRACT MENIRAN OF DRINKING WATER TO THE TOTAL LEUKOCYTES, TOTAL ERYTHROCYTES, LEVELS OF HEMOGLOBIN AND HEMATOCRIT LEVELS OF MALE *BROILER* CHICKEN**

**By**

**Muhamad Satya Apriza**

This Research aim to determine, the best level extract meniran and total leukocytes, erythrocytes, hemoglobin levels and hematocrit levels. This research was conducted in April —May 2019 at the Chicken Coop Department of Animal Husbandry, Faculty of Agriculture, University of Lampung. Blood sample this research analyzed at Bioclinic Pramitra Bandar Lampung. This research used Completely Randomized Design (CRD) with 4 treatments and 5 replications. The treatments were P0: drink water without extract meniran (control); P1: drink water with 1,5 mg/kg bb/day extract meniran; P2: drink water with 3 mg/kg bb/day extract meniran; P3: drink water with 4,5 mg/kg bb/day extract meniran. The data of blood profile (total leukocytes, total erythrocytes, hemoglobin levels and hematocrit levels ) from each treatment and control to be processed by analysis using anova with significance level of 5 %. The result of this research extract meniran had no significant different to the total leukocytes, total erythrocytes, the hemoglobin levels and hematocrit levels of male *broiler*. Total leukocytes on each treatment higher from normal range. Total erythrocytes, hemoglobin levels and hematocrit levels on each treatment in the range of normal.

**Keywords:** Extract meniran, total leukocytes, total erythrocytes, hemoglobin, hematocrit, male *broiler* chicken