

ABSTRAK

PENGARUH PEMBERIAN TAPAK LIMAN (*Elephantopus scaber L.*) DALAM AIR MINUM TERHADAP TOTAL ERITROSIT, HEMOGLOBIN, DAN HEMATOKRIT BROILER

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Penelitian ini bertujuan untuk mengetahui pengaruh dan pemberian dosis terbaik tapak liman (*Elephantopus scaber L.*) terhadap profil darah merah (total eritrosit, hemoglobin, dan hematokrit) broiler. Penelitian ini dilaksanakan pada Februari—Maret 2022 di kandang ayam, Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung dan Laboratorium Fakultas Kedokteran Hewan, Universitas Gadjah Mada, Yogyakarta. Penelitian menggunakan metode Rancangan Acak Lengkap (RAL) dengan 4 perlakuan 3 ulangan. Perlakuan yang diberi melalui air minum dengan dosis kontrol (P0), 120 mg/kg BB/hari (P1), 240 mg/kg BB/hari (P2), 480 mg/kg BB/hari (P3). Peubah yang diamati yaitu total eritrosit, kadar hemoglobin dan nilai hematokrit broiler. Data yang diperoleh dianalisis sidik ragam dengan taraf 5%. Hasil penelitian menunjukkan pemberian tapak liman (*Elephantopus scaber L.*) dalam air minum tidak memberikan pengaruh nyata ($P>0,05$) terhadap total eritrosit, hemoglobin, dan hematokrit broiler. Disimpulkan bahwa ekstrak tapak liman dapat diberikan ke dalam air minum broiler sampai dengan dosis 480 mg/kg BB/hari.

Kata kunci: *Broiler*, Eritrosit, Hematokrit, Hemoglobin, Tapak liman.

ABSTRACT

THE EFFECT OF TAPAK LIMAN (*Elephantopus scaber L.*) IN DRINKING WATER ON TOTAL ERYTHROCYTES, HEMOGLOBIN, AND HEMATOCRIT BROILERS

By

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This study aims to determine the effect and the best dose of Tapak Liman (*Elephantopus scaber L.*) on the red blood profile (total erythrocytes, hemoglobins, and hematocrits) of broilers. This research was conducted in February-March 2022 in a chicken coop, Department of Animal Husbandry, Faculty of Agriculture, University of Lampung and Laboratory of the Faculty of Veterinary Medicine, Gadjah Mada University, Yogyakarta. The study used a completely randomized design (CRD) method with 4 treatments and 3 replications. The treatment was given through drinking water with a control dose (P0), 120 mg/kg BW/day (P1), 240 mg/kg BW/day (P2), 480 mg/kg BW/day (P3). The observed variables were total erythrocytes, hemoglobin levels and broiler hematocrit values. The results were analyzed for variance at a level of 5%. The results showed that the administration of tread liman (*Elephantopus scaber L.*) in drinking water did not have a significant effect ($P>0.05$) on total erythrocytes, hemoglobin, and broiler hematocrit. It was concluded that the tapak liman extract could be added to broiler drinking water up to a dose of 480 mg/kg BW/day.

keywords: *Broilers, Erythrocytes, Hematocrits, Hemoglobins, Tapak liman.*