

ABSTRAK

Pengaruh Pemberian Ekstrak Sambiloto (*Andrographis Paniculata*) Terhadap HDL (*High Density Lipoprotein*) dan LDL (*Low Density Lipoprotein*) Pada Ayam Kampung Jantan (*Gallus gallus domesticus*)

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Penelitian ini bertujuan untuk mengetahui pengaruh pemberian Sambiloto (*Andrographis paniculata* Ness) terhadap HDL (*High Density Lipoprotein*) dan LDL (*Low Density Lipoprotein*) pada ayam kampung jantan (*Gallus gallus domesticus*). Penelitian ini dilaksanakan pada Januari sampai Maret 2022 di Kandang Laboratorium Lapangan Terpadu Fakultas Pertanian, Universitas Lampung dan Laboratorium Pramitra Biolab Indonesia. Penelitian ini menggunakan 4 perlakuan dan 3 ulangan. Setiap ulangan terdiri dari 5 ekor ayam dengan dosis perlakuan yaitu control (P0), 3 mg/kg BB (P1), 6 mg/kg BB (P2), 12 mg/kg BB (P3). Peubah yang diamati meliputi HDL (*high density lipoprotein*) dan LDL (*low density lipoprotein*). Hasil penelitian yang dianalisis secara deskriptif menunjukkan perlakuan pemberian ekstrak sambiloto berpengaruh terhadap HDL dan LDL ayam kampung jantan. Rataan HDL dan LDL perlakuan penelitian ini berturut turut ($61,33 \pm 5,03$; $61,66 \pm 5,50$; $56,33 \pm 11,6$; $65,33 \pm 8,96$ mg/ dl) dan ($28,66 \pm 4,16$; $27,66 \pm 5,50$; $26,66 \pm 8,08$; $27,66 \pm 6,02$ mg/dl). Disimpulkan bahwa pemberian ekstrak sambiloto samapi dengan dosis 12 mg/ kg BB berpengaruh terhadap HDL dan LDL ayam kampung jantan

Kata kunci: Ekstrak sambiloto, *High density lipoprotein*, *Low density lipoprotein*, ayam kampung jantan

ABSTRACT

The Effect of Treatment of Sambiloto Extract (*Andrographis Paniculata*) to HDL (*High Density Lipoprotein*) and LDL (*Low Density Lipoprotein*) on Rooster (*Gallus gallus domesticus*)

By

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This study aims to determine the effect of Sambiloto (*Andrographis paniculata* Ness) to HDL (*High Density Lipoprotein*) and LDL (*Low Density Lipoprotein*) on rooster (*Gallus gallus domesticus*). This research was conducted in January - March 2022 at the Integrated Field Laboratory of the Faculty of Agriculture, University of Lampung and the Indonesian Biolab Pramitra Laboratory. This study used 4 treatments and 3 replications. Each replicate consisted of 5 rooster with treatment doses namely control (P0), 3 mg/kg BB (P1), 6 mg/kg BB (P2), 12 mg/kg BB (P3). The observed variables included HDL (*high density lipoprotein*) and LDL (*Low Density Lipoprotein*). The results of the research which were analyzed descriptively showed that the sambiloto extract affect HDL and LDL rooster. The mean HDL and LDL in this study were (61.33 ± 5.03; 61.66 ± 5.50; 56.33 ± 11.6; 65.33 ± 8.96 mg/dl) and (28.66 ± 4.16; 27.66 ± 5.50; 26.66 ± 8.08; 27.66 ± 6.02 mg/dl). It was concluded that the administration of sambiloto extract up to a dose of 12 mg/kg BB had an effect on the HDL and LDL on rooster.

Keywords : Sambiloto extract, *High density lipoprotein*, *Low density lipoprotein*, Rooster