

ABSTRAK

PENGARUH SUPLEMENTASI DAUN SIRSAK (*Annona muricata*), BAWANG PUTIH (*Allium sativum*) DAN KOMBINASINYA TERHADAP KADAR HDL, LDL, TRIGLISERIDA AYAM PETELUR

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Penelitian ini bertujuan untuk mengetahui pengaruh pemberian daun sirsak (*Annona muricata*), bawang putih (*Allium sativum*) dan kombinasinya terhadap kadar HDL, LDL, trigliserida ayam petelur. Penelitian ini dilaksanakan pada Januari 2025—Maret 2025 di Kandang Laboratorium Lapang Terpadu, Fakultas Pertanian, Universitas Lampung. Penelitian secara eksperimental menggunakan Rancangan Acak Lengkap (RAL) dengan 4 perlakuan dan 4 ulangan menggunakan 32 ekor ayam petelur. Perlakuan yang diberikan adalah P0; ransum tanpa perlakuan, P1; ransum + 6 mg/kg BB/hari *Allium sativum*, P2; ransum + 24 mg/kg BB/hari *Annona muricata*, P3; ransum + 6 mg/kg BB/hari *Allium sativum* dan 24 mg/kg BB/hari *Annona muricata*. Peubah yang diamati yaitu *High Density Lipoprotein*, *Low Density Lipoprotein* dan trigliserida. Data yang diperoleh dianalisis secara deskriptif. Hasil penelitian ini menunjukkan kadar HDL pada perlakuan P0, P1 dan P2 dalam batas normal sedangkan P3 berada di bawah normal; kadar LDL pada semua perlakuan berada pada batas normal; kadar trigliserida semua perlakuan di atas batas normal.

Kata kunci: Ayam Petelur, Bawang Putih, Daun Sirsak, Kolesterol.

ABSTRACT

THE EFFECT OF SOURSOP LEAF (*Annona muricata*), GARLIC (*Allium sativum*) AND THEIR COMBINATION SUPPLEMENTATION ON HDL, LDL, TRIGLYCERIDE IN LAYING HENS

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This study aimed to determine the effect of soursop leaf (*Annona muricata*), garlic (*Allium sativum*), and their combination supplementation on HDL, LDL, and triglyceride levels in laying hens. The research was conducted from January 2025 to March 2025 at the Integrated Field Laboratory Cage, Faculty of Agriculture, University of Lampung. This was an experimental study using a Completely Randomized Design (CRD) with four treatments and four replications, involving 32 laying hens. The treatments were as follows: P0 – basal diet without supplementation (control); P1 – basal diet + 6 mg/kg body weight/day of *Allium sativum*; P2 – basal diet + 24 mg/kg body weight/day of *Annona muricata*; P3 – basal diet + 6 mg/kg body weight/day of *Allium sativum* and 24 mg/kg body weight/day of *Annona muricata*. The observed variables included High Density Lipoprotein (HDL), Low Density Lipoprotein (LDL), and triglyceride levels. The collected data were analyzed descriptively. The results showed that HDL levels in P0, P1, and P2 were within the normal range, while HDL levels in P3 were below normal. LDL levels in all treatments were within the normal range. Triglyceride levels in all treatments were above the normal range.

Keywords: Cholesterol, Garlic, Laying Hen, Soursop Leaf.