ABSTRAK

EFEK PEMBERIAN MINYAK ZAITUN *EXTRA VIRGIN* (*Olea europaea*) DALAM AIR MINUM TERHADAP *HIGH DENSITY LIPOPROTEIN* DAN *LOW DENSITY LIPOPROTEIN* AYAM *BROILER*

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Penelitian ini bertujuan untuk mengetahui pengaruh pemberian minyak zaitun *extra virgin* (*Olea europaea*) terhadap kadar *high density lipoprotein* (HDL) dan *low density lipoprotein* (LDL) darah ayam *broiler* jantan. Penelitian ini dilaksanakan pada April 2025 sampai Mei 2025 di Kandang Open House, Jurusan Peternakan, Fakultas Pertanian, Universitas Lampung. Analisis Sampel darah dilaksanakan di Laboratorium Pramitra Biolab Indonesia, Bandar Lampung. Penelitian ini menggunakan Analisis Deskriptif dengan 5 perlakuan dan 4 ulangan. Perlakuannya adalah P0: Air minum tanpa minyak zaitun *extra virgin* (kontrol), P1: Air minum dengan 0,15 ml minyak zaitun *extra virgin*/kg Bobot Badan/hari, P2: Air minum dengan 0,3 ml minyak zaitun *extra virgin*/kg Bobot Badan/hari, P3: Air minum dengan 0,45 ml minyak zaitun *extra virgin*/kg Bobot Badan/hari, dan P4: Air minum dengan 0,6 ml minyak zaitun *extra virgin*/kg Bobot Badan/hari. Data yang diperoleh dianalisis secara deskriptif. Hasil penelitian menunjukkan bahwa ayam *broiler* jantan yang diberikan minyak zaitun *extra virgin (Olea europaea)* dapat menaikan kadar *high density lipoprotein* (HDL) dan menurunkan kadar *low density lipoprotein* (LDL) di bawah batas normal. Disimpulkan bahwa pemberian minyak zaitun *extra virgin (Olea europaea)* mampu menaikan kadar *high density lipoprotein* (HDL) dan menurunkan kadar *low density lipoprotein* (LDL) di bawah batas normal.

Kata kunci : Ayam *Broiler*, Minyak zaitun *extra virgin, high density lipoprotein* (HDL), *low density lipoprotein* (LDL).

ABSTRACT

EFFECT OF GIVING EXTRA VIRGIN OLIVE OIL (Olea europaea) IN DRINKING WATER ON HIGH DENSITY LIPOPROTEIN AND LOW DENSITY LIPOPROTEIN OF BROILER CHICKENS

By

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This study aims to determine the effect of extra virgin olive oil (Olea europaea) on high density lipoprotein (HDL) and low density lipoprotein (LDL) levels in the blood of male broiler chickens. This study was conducted from April 2025 to May 2025 at the Open House Cage, Department of Animal Husbandry, Faculty of Agriculture, University of Lampung. Blood sample analysis was carried out at the Pramitra Biolab Indonesia Laboratory, Bandar Lampung. This study used a Descriptions Analiysis with 5 treatments and 4 replications. The treatments were P0: Drinking water without extra virgin olive oil (control), P1: Drinking water with 0.15 ml of extra virgin olive oil/kg body weight/day, P2: Drinking water with 0.3 ml of extra virgin olive oil/kg body weight/day, P3: Drinking water with 0.45 ml of extra virgin olive oil/kg body weight/day, and P4: Drinking water with 0.6 ml of extra virgin olive oil/kg body weight/day. The data obtained were analyzed descriptively. The results of the study showed that male broiler chickens given extra virgin olive oil (Olea europaea) can increase high density lipoprotein (HDL) levels and decrease low density lipoprotein (LDL) levels below normal limits. It was concluded that giving extra virgin olive oil (Olea europaea) can increase high density lipoprotein (HDL) levels and decrease low density lipoprotein (LDL) levels below normal limits.

Keywords: *Broiler* chicken, *Extra virgin* olive oil, *High density lipoprotein*, *Low density lipoprotein*.