

ABSTRAK

PENGARUH PENAMBAHAN *MILK REPLACER* DALAM RANSUM TERHADAP TOTAL PROTEIN PLASMA DAN KADAR GLUKOSA DARAH PADA ITIK PEDAGING

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Penelitian ini bertujuan untuk mengetahui pengaruh penambahan *milk replacer* dalam ransum terhadap total protein plasma dan kadar glukosa darah pada itik pedaging. Penelitian ini dilaksanakan pada Maret--April 2025 di Kandang Laboratorium Lapang Terpadu, Fakultas Pertanian, Universitas Lampung. Pemeriksaan sampel darah dilaksanakan di Laboratorium Pramitra Biolab Indonesia, Bandar Lampung. Penelitian ini menggunakan metode Rancangan Acak Lengkap (RAL) dengan 4 perlakuan dan 3 ulangan. Perlakuan yang diberikan dalam ransum dengan P0: (kontrol), P1: penambahan *milk replacer* 25 gram / kg pakan, P2: penambahan *milk replacer* 50 gram / kg pakan, dan P3: penambahan *milk replacer* 75 gram / kg pakan. Peubah yang diamati meliputi total protein plasma dan glukosa darah. Data yang diperoleh dianalisis secara deskriptif. Hasil rata-rata total protein plasma P0 : $3,50 \pm 0,17$ g/dl; P1 : $3,60 \pm 0,17$ g/dl; P2 : $3,87 \pm 0,46$ g/dl; dan P3 : $3,77 \pm 0,31$ g/dl, dan rata-rata glukosa darah P0 : $147,33 \pm 9,71$ mg/dl; P1 : $144,33 \pm 10,07$ mg/dl; P2 : $155,33 \pm 15,63$ mg/dl; dan P3 : $151,00 \pm 7,81$ mg/dl. Dapat disimpulkan bahwa penambahan *milk replacer* dalam ransum pada itik pedaging dengan dosis perlakuan berbeda dapat mempertahankan kadar total protein plasma dan kadar glukosa darah pada kisaran normal.

Kata kunci : Glukosa darah, Itik pedaging, *Milk replacer*, Total protein plasma

ABSTRACT

THE EFFECT OF ADDITION OF MILK REPLACER IN THE RATION ON TOTAL PLASMA PROTEIN AND BLOOD GLUCOSE LEVELS IN BROILER DUCK

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This study aims to determine the effect of adding milk replacer in the ration on total plasma protein and blood glucose levels in broiler ducks. This study was conducted in March--April 2025 at the Integrated Field Laboratory Cage, Faculty of Agriculture, University of Lampung. Blood sample was carried out at the Pramitra Biolab Indonesia Laboratory, Bandar Lampung. This study used a Completely Randomized Design (CRD) method with 4 treatments and 3 replications. The treatments given in the ration with P0: (control), P1: addition of milk replacer 25 grams / kg of feed, P2: addition of milk replacer 50 grams / kg of feed, and P3: addition of milk replacer 75 grams / kg of feed. The variables observed included total plasma protein and blood glucose. The data obtained were analyzed descriptively. The average results of total plasma protein P0: 3.50 ± 0.17 g/dl; P1: 3.60 ± 0.17 g/dl; P2: 3.87 ± 0.46 g/dl; and P3: 3.77 ± 0.31 g/dl, and the average blood glucose P0: 147.33 ± 9.71 mg/dl; P1: 144.33 ± 10.07 mg/dl; P2: 155.33 ± 15.63 mg/dl; and P3: 151.00 ± 7.81 mg/dl. It can be concluded that the addition of milk replacer in the ration of broiler ducks with different treatment doses can maintain total plasma protein levels and blood glucose levels in the normal range.

Keywords : Blood glucose, Broiler duck, Milk replacer, Total plasma protein