ABSTRAK

TOTAL PROTEIN PLASMA DAN NILAI GLUKOSA DARAH KAMBING SABURAI YANG TERINFESTASI JENIS CACING SALURAN PENCERNAAN DAN *EIMERIA SP.* DI KECAMATAN GISTING KABUPATEN TANGGAMUS

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Penelitian ini bertujuan untuk mengetahui total protein plasma dan nilai glukosa darah pada kambing Saburai yang terinfestasi jenis cacing saluran pencernaan dan *Eimeria sp*. di Kecamatan Gisting Kabupaten Tanggamus. Penelitian ini dilaksanakan pada Maret--Mei 2022. Pemeriksaan total protein plasma dan glukosa darah dilaksanakan di Balai Veteriner Provinsi Lampung. Penelitian ini terdiri dari 3 perlakuan dan 4 ulangan. Perlakuan terdiri dari kambing Saburai yang terinfestasi *Eimeria sp*. (P1), kambing Saburai terinfestasi *Haemonchus sp.* dan *Eimeria sp*. (P2), dan kambing Saburai terinfestasi *Haemonchus sp., Mecis sp.* dan *Eimeria sp.* (P3). Data yang diperoleh dianalisis secara deskriptif. Hasil penelitian menunjukkan nilai glukosa dan protein plasma darah masih dalam kisaran normal, dengan total protein plasma berturut-turut 7,68±0,10 g/dL (P1), 7,75±0,17 g/dL (P2), dan 7,73±0,10 g/dL (P3), dan glukosa yaitu 35,75±36,25 g/dL (P1), 58,25±28,67 g/dL (P2), dan 39,50±33,21 g/dL (P3). Jenis cacing saluran pencernaan dan *Eimeria sp.* pada kambing Saburai pada penelitian masih ringan sehingga tidak berpengaruh terhadap total protein plasma dan kadar glukosa pada kambing Saburai.

Kata Kunci: Infestasi, cacing saluran pencernaan, kambing Saburai, protein plasma, dan glukosa darah.

ABSTRACT

TOTAL PROTEIN PLASMA AND BLOOD GLUCOSE VALUE OF SABURAI GOATS INFESTED TYPES OF DIGESTIVE TRACT WORMS AND *EIMERIA SP*. IN GISTING DISTRICT TANGGAMUS REGENCY

By

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This study aims to determine the total plasma protein and blood glucose values in Saburai goats infested with digestive tract types and *Eimeria sp*. in Gisting District, Tanggamus Regency. This research was conducted in March--May 2022. Examination of total plasma protein and blood glucose was carried out at the Veterinary Center of Lampung Province. This study consisted of 3 treatments and 4 replications. The treatments were Saburai goats which were infested by *Eimeria sp*. (P1), Saburai goats which were infested by *Haemonchus sp.* and *Eimeria sp.* (P2), Saburai goats were infested by *Haemonchus sp*., *Mecis sp.* and *Eimeria sp.* (P3). The data obtained were analyzed descriptively. The results showed that the blood glucose and protein plasma values from the study were still within the normal range, with a total plasma protein of 7,68±0,10 g/dL (P1), 7,75±0,17 g/dL (P2) respectively, and 7,73±0,10 g/dL(P3), and glucose, namely 35,75±36,25 g/dL (P1), 58,25±28,67 g/dL (P2), and 39,50±33,21 g/dL (P3). The types of intestinal worms and *Eimeria sp.* in Saburai goats in this study were still mild, so they did not affect total plasma protein and glucose levels in Saburai goats.

Keywords: Infestation, digestive tract worms, Saburai goat, plasma protein, and blood glucose.