

ABSTRAK

STUDI KADAR GLUKOSA DARAH PADA ITIK MAGELANG

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Penelitian ini bertujuan untuk mengetahui gambaran kadar glukosa darah pada itik Magelang. Penelitian ini dilaksanakan di Laboratorium Ilmu Penyakit Dalam Fakultas Kedokteran Hewan Universitas Gadjah Mada pada bulan Agustus 2020 menggunakan 3 ekor itik Magelang. Pada setiap hewan dilakukan pengambilan sampel darah setiap 4 jam dimulai dari jam 06.00 WIB dan berakhir pada jam 02.00 WIB. Hasil pemeriksaan glukosa dianalisis menggunakan *one way ANOVA* untuk mengetahui pengaruh waktu terhadap kadar glukosa darah. Bilamana diketahui adanya pengaruh waktu yang signifikan terhadap kadar glukosa darah maka dilanjutkan uji perbedaan rerata dengan menggunakan metode DMRT. $P < 0,05$ ditetapkan sebagai kriteria signifikansi. Rata-rata kadar glukosa darah itik berkisar 172,33-197,33 mg/dL. Hasil analisis statistik menunjukkan tidak adanya pengaruh waktu terhadap kadar glukosa darah ($P > 0,05$). Dapat disimpulkan bahwa kadar glukosa tidak mengalami perubahan yang terkait perubahan siang dan malam.

Kata kunci : Itik Magelang, Irama sirkadian, Glukosa

ABSTRACT

STUDY OF BLOOD GLUCOSE LEVELS IN MAGELANG DUCKS

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This study was aimed to investigate the daily profile of blood glucose concentration in Magelang ducks. This research was conducted using 3 male Magelang ducks in Laboratory of Internal Medicine, Faculty of Veterinary Medicine, Gadjah Mada University. Blood samples were taken every 4 hours starting at 06:00 A.M. and ending at 02:00 A.M. on the following day. Data were analyzed using one-way ANOVA to determine the effect of time on blood glucose levels. If it is known that there is a significant effect of time on blood glucose, the mean difference tests were performed using the DMRT method. $P < 0.05$ was defined as a significance criterion. The blood glucose concentrations of the animals were at the level of 172,33-197,33 mg/dL. There was no significant influence of time on blood glucose concentration in Magelang ducks ($P > 0.05$). It can be concluded that there is no day night changing in blood glucose levels in Magelang ducks.

Key words : Magelang Ducks, Circadian Rhythm, Glucose