

ABSTRAK

PENGARUH INFEKSI *FELINE PANLEUKOPENIA VIRUS* TERHADAP PROFIL KIMIA DARAH KUCING DI KLINIK HEWAN GRHA PETCARE

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Feline panleukopenia virus (FPV) merupakan virus yang dapat menyebabkan penyakit infeksi akut dengan morbiditas dan mortalitas tinggi. Gejala klinis yang timbul pada kasus FPV adalah muntah, diare, diare berdarah, dehidrasi, dan gangguan fungsi ginjal. Penelitian ini bertujuan untuk mengetahui profil *blood urea nitrogen* (BUN), kreatinin, total protein, albumin, globulin, dan fibrinogen serta melakukan analisis terhadap hasil yang diukur untuk mengetahui pola-pola spesifik yang mungkin ditemukan pada pasien kucing infeksi FPV di klinik hewan Grha Petcare. Data yang digunakan pada penelitian ini adalah data pemeriksaan kimia darah dari sebelas (11) sampel darah pasien kucing FPV di klinik hewan Grha Petcare yang telah diskriming berdasarkan diagnosis dokter melalui pemeriksaan hematologi atau rapid tes. Data yang diperoleh ditabulasi dan dihitung kisaran nilai rata-ratanya. Rerata nilai BUN, kreatinin, total protein, albumin, globulin, dan fibrinogen berturut-turut yaitu 16,455 mg / dL, 0,518 mg / dL, 7,045 g/dL, 2,745 g/dL, 4,291 g/dL, 0,027 g/dL. Analisis data dilakukan dengan uji normalitas, uji *T-test (one-sample test)*, dan uji *nonparametric* (Kolmogorov-Smirnov). Hasil analisis data pada seluruh parameter menunjukkan bahwa terdapat perbedaan yang signifikan ($p < 0,05$) dengan rerata nilai kisaran BUN, kreatinin, albumin dan fibrinogen lebih rendah. Nilai rerata total protein dan globulin masih dalam range normal. Data tersebut menunjukkan bahwa infeksi FPV berpengaruh terhadap nilai BUN, kreatinin, albumin, dan fibrinogen.

Kata kunci: kucing, *feline panleukopenia virus*, BUN, kreatinin, total protein

ABSTRACT

THE EFFECT OF FELINE PANLEUKOPENIA VIRUS INFECTION ON BLOOD CHEMICAL PROFILE OF CAT AT GRHA PETCARE ANIMAL CLINIC

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Feline panleukopenia virus (FPV) is a virus that can cause acute infectious diseases with high morbidity and mortality. Clinical symptoms that arise in cases of FPV are vomiting, diarrhea, bloody diarrhea, dehydration, and impaired kidney function. This study aims to determine the profile of BUN, creatinine, total protein, albumin, globulin, and fibrinogen as well as to analyze the measured results to determine specific patterns that may be found in cat patients with FPV infection at the Grha Petcare veterinary clinic. The data used in this study were blood chemistry examination data from eleven (11) blood samples of cat patients at the Grha Petcare veterinary clinic which had been screened based on a doctor's diagnosis through a hematologic examination or rapid test. The data obtained were tabulated and the average value range was calculated. The mean values of BUN, creatinine, total protein, albumin, globulin, and fibrinogen were 16,455 mg / dL, 0,518 mg / dL, 7,045 g/dL, 2,745 g/dL, 4,291 g/dL, 0,027 g/dL. Data analysis was performed by normality test, T-test (one-sample test), and nonparametric test (Kolmogorov-Smirnov). The results of data analysis on all parameters showed that there was a significant difference ($p < 0,05$) with a lower mean range of BUN, creatinine, albumin, and fibrinogen values. The mean value of total protein and globulin was still in the normal range. These data indicate that FPV infection affect the profile of BUN, creatinine, albumin, and fibrinogen values.

Kata kunci: cat, feline panleukopenia virus, BUN, creatinine, total protein