

## INTISARI

### **GAMBARAN ELEKTROLIT KUCING TERINFEKSI *FELINE PANLEUKOPENIA VIRUS* (FPV) PADA UNIT PELAYANAN MEDIK VETERINER DI YOGYAKARTA**

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*Feline panleukopenia virus* (FPV) adalah patogen yang sangat menular dan dapat menyebabkan infeksi akut pada kucing dengan gejala klinis demam, lemas, muntah, diare, dan dehidrasi. Penelitian ini dilakukan untuk mengetahui gambaran elektrolit kalsium, fosfor, dan elektrolit Na<sup>+</sup> dan K<sup>+</sup>, dalam membantu peneguhan diagnosis, serta pemberian terapi pada pasien kucing terdiagnosa FPV pada unit pelayanan medik veteriner di Yogyakarta.

Data yang digunakan dalam penelitian ini berupa dua puluh tiga (23) sampel darah kucing terdiagnosa FPV dan delapan belas (18) sampel darah kucing sehat, yang selanjutnya dilakukan uji *Rapid* serta pemeriksaan kimia darah. Data ditabulasi, dihitung nilai rata-rata, dan dilakukan uji normalitas (*Shapiro-Wilk*) serta uji beda parametrik *Independent-Samples T-Test*. Rerata kadar kalsium (Ca), fosfor (P), ion natrium (Na<sup>+</sup>), dan ion kalium (K<sup>+</sup>) berturut-turut adalah 9.8 mg/dL, 5.2 mg/dL, 146 mg/dL, dan 4.6 mg/dL.

Hasil analisis data pada seluruh parameter menunjukkan bahwa terdapat penurunan pada kadar kalsium, fosfor, dan ion natrium (Na<sup>+</sup>). Data tersebut menunjukkan bahwa infeksi *feline panleukopenia virus* mempengaruhi kadar kalsium, fosfor, dan ion natrium.

**Kata kunci:** *Feline panleukopenia virus*, kalsium, fosfor, ion natrium, elektrolit

## ABSTRACT

### FIGURE OF ELECTROLYTES ON CAT INFECTED WITH FELINE PANLEUKOPENIA VIRUS (FPV) AT THE VETERINARY MEDICAL SERVICES UNIT IN YOGYAKARTA

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Feline panleukopenia virus is a highly contagious pathogen that can cause acute infection in cats with clinical symptoms of fever, weakness, vomiting, diarrheal, and dehydration. This study aims to determine the profile of calcium, phosphorus,  $\text{Na}^+$ , and  $\text{K}^+$ , help confirm the diagnosis, and provide therapy to cat patients diagnosed with FPV at the veterinary medical services unit in Yogyakarta.

The data used in this study were twenty-three (23) blood samples from cats diagnosed with FPV and eighteen (18) blood samples from healthy cats. Then a rapid test and blood chemistry examination were carried out. The data were tabulated, the average value was calculated, and the normality test (Shapiro-Wilk) and the Independent-Samples T-Test were performed. The average levels of calcium (Ca), phosphorus (P), sodium ions ( $\text{Na}^+$ ), and potassium ions ( $\text{K}^+$ ) were 9.8 mg/dL, 5.2 mg/dL, 146 mg/dL, and 4.6 mg/dL.

The results of data analysis on all parameters showed that there was a decrease in the levels of calcium, phosphorus, and sodium ions ( $\text{Na}^+$ ). These data indicate that feline panleukopenia virus infection affects the levels of calcium, phosphorus, and sodium ions.

**Keywords:** Feline panleukopenia virus, calcium, phosphorus, sodium ions, electrolytes