

## INTISARI

### **GAMBARAN HEMATOLOGI KUCING TERDIAGNOSIS *FELINE PANLEUKOPENIA VIRUS* (FPV) DI KLINIK HEWAN CALICO YOGYAKARTA**

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Kucing salah satu hewan kesayangan yang banyak dipelihara. Salah satu gangguan kesehatan yang sering menyerang kucing adalah infeksi *feline panleukopenia virus* dengan mortalitas 25-90%. Penelitian ini bertujuan untuk mengetahui gambaran hematologi kucing terdiagnosis *feline panleukopenia virus* di Klinik Hewan Calico Yogyakarta. Data yang digunakan dalam penelitian ini adalah sepuluh pasien kucing terdiagnosis *feline panleukopenia virus* di Klinik Hewan Calico Yogyakarta dan melakukan pemeriksaan hematologi lengkap. Data diambil dengan metode retrospektif. Pemeriksaan hematologi meliputi kadar hemoglobin, hematokrit/*packed-cell volume* (PCV), eritrosit/sel darah merah (RBC), trombosit, *mean corpuscular volume* (MCV), *mean corpuscular hemoglobin* (MCH), *mean corpuscular hemoglobin concentration* (MCHC), leukosit/sel darah putih (WBC) dan diferensial leukosit. Data ditabulasi, dihitung kisaran nilai dan rata-rata. Analisis data dilakukan dengan uji normalitas dan uji *T-test (one-sample test)*. Hasil penelitian menunjukkan nilai hemoglobin, eritrosit dan PCV dalam kisaran normal dan tidak ada perbedaan signifikan ( $P > 0,05$ ) dibanding kucing sehat. Nilai MCV dan nilai relatif neutrofil dalam kisaran normal namun berbeda signifikan ( $P < 0,05$ ) antara sampel dengan kucing sehat. Nilai MCH, MCHC dan nilai relatif limfosit tinggi dan terdapat perbedaan yang signifikan ( $P < 0,05$ ) antara sampel dengan kucing sehat. Kadar trombosit dan leukosit rendah serta terdapat perbedaan signifikan ( $P < 0,05$ ) antara sampel dengan kucing sehat. Nilai relatif monosit rendah namun tidak ada perbedaan yang signifikan ( $P > 0,05$ ) antara sampel dengan kucing sehat. Dapat disimpulkan bahwa gambaran hematologi kucing terdiagnosis *feline panleukopenia virus* menunjukkan trombositopenia, leukopenia, neutropenia, limfopenia, dan monositopenia. Studi lanjut mengenai gambaran hematologi pada kucing terdiagnosis FPV perlu dilakukan dengan metode selain retrospektif agar variabel penelitian untuk menentukan signifikansi lebih akurat.

**Kata kunci:** kucing, *feline panleukopenia*, hematologi

## ABSTRACT

### HEMATOLOGICAL FIGURE ON CATS DIAGNOSED WITH FELINE PANLEUKOPENIA VIRUS AT CALICO ANIMAL CLINIC YOGYAKARTA

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Cat is one of popular pet animal. The commonest health problems on cat is feline panleukopenia virus infection with mortality rate 25-90%. This research was aims for studying the hematological figure on cats diagnosed of feline panleukopenia virus infection at Calico Animal Clinic Yogyakarta. Ten (10) cats patient at Calico Animal Clinic diagnosed of feline panleukopenia with complete blood examination were used in this research. Data were collected using retrospective method. The blood examination including hemoglobin level, *packed-cell volume* (PCV), red blood cell (RBC), thrombocyte, mean corpuscular volume (MCV), mean corpuscular hemoglobin (MCH), mean corpuscular hemoglobin concentration (MCHC), white blood cell (WBC) and differential leucocytes (eosinophil, basophil, neutrophil, lymphocyte and monocyte). The data was tabulated into range and average. Data analysis was performed by the normality test and the T-test (one-sample test). The results showed that hemoglobin, erythrocyte levels and PCV values were in normal range and there was no significant difference ( $P>0.05$ ) between samples and normal cats. The MCV and relative neutrophil values were in the normal range but there was a significant difference ( $P<0.05$ ) between samples and normal cats. The MCH, MCHC and relative lymphocyte values were high and there was a significant difference ( $P<0.05$ ) between samples and normal cats. Thrombocyte and leucocyte levels were low and there were significant differences ( $P<0.05$ ) between samples and normal cats. Relative monocyte values were low but there was no significant difference ( $P>0.05$ ) between samples and normal cats. It could be concluded that hematological figure on cats diagnosed of feline panleukopenia virus infection show thrombocytopenia, leucopenia, neutrophenia, lymphopenia, and monocytopenia. Further research of hematological figure on cats diagnosed of feline panleukopenia infection were needed with other methods for a better results.

**Key words:** cat, feline panleukopenia, hematology