

INTISARI

GAMBARAN TOTAL ERITROSIT, KADAR HEMOGLOBIN, NILAI HEMATOKRIT, DAN INDEKS ERITROSIT PADA KUCING TERDIAGNOSIS *FELINE PANLEUKOPENIA* (FPL) DI KLINIK HEWAN GRHA PETCARE YOGYAKARTA

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Kucing bukan hanya sekedar hewan kesayangan, tetapi kini kucing telah menjadi hewan peliharaan dan bagian dari keluarga bagi pemiliknya. Salah satu gangguan kesehatan yang sering menyerang kucing adalah infeksi *feline panleukopenia virus* (FPL) dengan mortalitas 25-90%. Penelitian ini bertujuan untuk mengetahui gambaran hematologi khususnya total eritrosit, hemoglobin, nilai hematokrit, dan indeks eritrosit dalam penentuan jenis anemia, memperkuat diagnosis, prognosis, serta pemberian terapi pada pasien kucing penderita *Feline panleukopenia* di Klinik Hewan Grha Petcare Yogyakarta. Data yang digunakan dalam penelitian ini yaitu 35 kucing yang terdiagnosis FPL dan dilakukan pemeriksaan hematologi lengkap meliputi total eritrosit, kadar hemoglobin, nilai hematokrit/*packed-cell volume* (PCV), *mean corpuscular volume* (MCV), *mean corpuscular hemoglobin* (MCH), dan *mean corpuscular hemoglobin concentration* (MCHC). Data ditabulasi, dihitung kisaran nilai dan rata-rata, serta dibuat diagram. Data kemudian dianalisis dengan metode deskriptif. Hasil penelitian menunjukkan sebagian besar kucing yang terdiagnosis FPL di Klinik Hewan Grha Petcare Yogyakarta berumur ≤ 6 bulan dan hasil hematologi menunjukkan sebanyak 14,3% mengalami anemia, 17,1% mengalami polisitemia relatif, dan sebanyak 68,6% tidak anemia/normal. Studi lebih lanjut pada kucing terdiagnosis FPL perlu dilakukan pemeriksaan apus *bone marrow* untuk melihat ada tidaknya respon regenerasi dan gangguan pada *bone marrow* akibat FPL.

Kata kunci: *Feline panleukopenia*, anemia, total eritrosit, kadar hemoglobin

ABSTRACT

FIGURE OF TOTAL ERITROCYTE, HEMOGLOBIN LEVELS, HEMATOCRIT, ERYTHROCYTE INDEX VALUES ON CATS DIAGNOSED WITH *FELINE PANLEUKOPENIA* (FPL) IN GRHA PETCARE ANIMAL CLINIC YOGYAKARTA

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Cats have become pets and part of the family for their owners. The commonest health problems on cat is feline panleukopenia virus infection with mortality rate 25-90%. This study aimed to determine the hematological figure especially the number of erythrocytes, hemoglobin, hematocrit value, and erythrocyte index in determining the type of anemia in cat with FPL at Grha Petcare Animal Clinic Yogyakarta. Thirty five (35) cats diagnosed with FPL at Grha Petcare Animal Clinic with complete blood examination including total erythrocytes, hemoglobin levels, hematocrite value/packed-cell volume (PCV), mean corpuscular volume (MCV), mean corpuscular hemoglobin (MCH), and mean corpuscular hemoglobin concentration (MCHC) were used in this research. The data was tabulated, the range of values and averages were calculated, then diagrams were performed. Then the data analyzed by descriptive method. The result showed that most of the cats diagnosed with FPL were ≤ 6 months old and the hematological result showed that 14.3% (5 of 35) cats had normocytic-normochromic anemia, 17.1% (6 of 35) cats had relative polycythemia, and the majority 68.6% (25 of 35) were normal without anemia. Further studies on cats diagnosed with FPL were need to be examined for bone marrow smears to see whether there is a regeneration response and bone marrow disorders due to FPL.

Key words: *Feline panleukopenia*, anemia, total erythrocytes, hemoglobin levels