

INTISARI

GAMBARAN LEKOSIT PADA KUCING DOMESTIK DAN KUCING RAS PENDERITA *FELINE PANLEUCOPENIA*

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Virus *Feline Panleucopenia* menyerang jaringan pembentuk darah dan limfe serta mukosa organ gastrointestinal sehingga menyebabkan penurunan jumlah leukosit dan enteritis. Tujuan penelitian ini adalah untuk mengetahui gambaran leukosit pada kucing domestik dan kucing ras penderita *Feline Panleucopenia* di Klinik Departemen Ilmu Penyakit Dalam FKH UGM.

Penelitian ini menggunakan 30 ekor pasien kucing yang dinyatakan positif *Feline Panleucopenia virus* berdasarkan uji *Anigen[®] rapid FPV Ag test kit* (Bionote Inc, Korea) terdiri 16 kucing ras dan 14 kucing domestik di Klinik Departemen Ilmu Penyakit Dalam Fakultas Kedokteran Hewan UGM. Pemeriksaan kucing positif penderita *Feline Panleucopenia* dilakukan menggunakan *Anigen[®] rapid FPV Ag test kit* (Bionote Inc, Korea). Kucing yang positif *Feline Panleucopenia* diambil darahnya dengan *disposable sputum* sebanyak 1 ml melalui vena cephalica untuk penghitungan total leukosit. Pemeriksaan dilakukan di Laboratorium Departemen Ilmu Penyakit Dalam Fakultas Kedokteran Hewan UGM. Data hasil pemeriksaan darah kucing dianalisis secara statistik dengan uji *T-test*.

Hasil rata-rata jumlah leukosit pada kucing domestik $1.682,14 \pm 1.563,72$ sel/ μ l dan kucing ras $1.481,25 \pm 1.232,33$ sel/ μ l. Hasil ini menunjukkan bahwa terjadi penurunan jumlah leukosit pada kucing domestik maupun kucing ras penderita *Feline Panleucopenia*. Hasil analisis statistik tidak terdapat perbedaan signifikan ($P > 0,05$) antara kucing domestik dan kucing ras penderita *Feline Panleucopenia* (0,697). Berdasarkan hasil penelitian ini dapat disimpulkan bahwa terjadi penurunan leukosit (leukopenia) pada kucing domestik dan kucing ras penderita *Feline Panleucopenia*.

Kata kunci: *Feline Panleucopenia*, kucing domestik, kucing ras, leukosit, *FPV Ag test kit*.

ABSTRACT

LEUCOCYTE PROFILE ON DOMESTIC AND PURE BREED CATS INFECTED *FELINE PANLEUCOPENIA* disease

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Feline Panleucopenia virus attack the blood-forming tissues, lymph nodes and gastrointestinal organ (mucosa), which cause in decreasing number of leukocyte and enteritis. The aim of the present study was to evaluate leucocyte profile of local and pure breed cats with *Feline Panleucopenia* disease.

The sample size was 30 cat patients, it was consisted of 16 pure breed and 14 local cats, respectively. All of patients with *Feline Panleucopenia* disease were tested using Anigen[®] rapid FPV Ag test at the Clinic, Department of Internal Medicine, Faculty of Veterinary Medicine UGM. One milliliter of blood sample was taken from cat which positive FPV by vein puncture through vein chephalica using sterile syringes for total leucocyte count. All blood samples were analyzed at the Laboratory of the Department of Internal Medicine, Faculty of Veterinary Medicine, UGM. Data of leucocyte profile was analyzed using a T-test. The difference among group was estimated by calculation p-value with the 95% confidence interval.

The average of leukocyte in local and pure breed cat was $1.682,14 \pm 1.563,72$ cell/ μ l and $1.481,25 \pm 1.232,33$ cell/ μ l. Based on the results of leucocyte profile on domestic and pure breed cats showed decrease leucocyte. Based on the results of the p-value calculation among group of cats was not significantly different ($P > 0,05$) between domestic and pure breed cats with *Feline Panleucopenia* disease (0,697). Based on the results of this study, showed decrease leucocyte (leucopenia) on domestic and pure breed cats with *Feline Panleucopenia* disease.

Keywords: *Feline Panleucopenia*, domestic cat, pure breed cat, leucocyte, FPV Ag test kit.