

THE EFFECT OF DRY CAT FOOD AND CANNED CAT FOOD AS CAT DIET TO pH, STRUVITE AND CALSIUM OXALATE CRYSTAL IN URINE

Nurina Titisari
060313159

ABSTRACT

The aim of this research was to observe pH and urine crystals of the cat. The 18 cats was divided into three group with 6 cats of each group. The cats in the group P0 was fed with steamed fish as a control, group P1 was fed with dry cat food, and group P2 was fed with canned cat food. All cats were fed twice a day for 21 days. Urine samples were tested for pH and presence of crystals. The pH data was analyzed with ANOVA test. The number of crystal distorted into scoring data, and then analyzed it with kruskal wallis test. The result shows that all cats excreted acid urine ($\text{pH} < 7$). There was no difference in urine pH among the groups. This research was found three kind of crystal that is struvite, uric acid, and amorphous urate. There was no difference in the number of crystal presence. It could be concluded that either dry cat food nor canned cat food have an equally the same effect in cat's urine.

Key words : dry cat food, canned cat food, pH urine, struvite crystal, calsium oxalate crystal