

**THE INFLUENCE OF THE DRY AND CANNED COMMERCIAL CAT
FOOD TOWARD URINE VOLUME, WATER INTAKE AMOUNT,
AND KIDNEYS FUNCTION CONDITION OF MALE CAT**

Lita Rakhma Yustinasari

ABSTRACT

This research aims to examine the influence of the dry and canned commercial cat food towards urine volume, water intake amount, also, the kidneys function condition, by the Blood Urea Nitrogen (BUN) test and blood serum creatinin test. The statistical test using Completely Randomized Full Design by 6 replicant. 18 male cats average weight 1-2 kg and age 4-6 month were fed for 11 days and those were examined the urine volume, water intake, and its blood sample were checked before and after the treatment. This result by ANOVA (analysis of variance) performs that dry commercial cat food have significantly increase of water intake and decrease of urine volume. Meanwhile, canned commercial cat food have significantly increase of urine volume and decrease of water intake. The type of cat food is influenced the water intake consumed and urine volume secretion. The dry commercial cat food have significantly increase of BUN after treatment. Blood serum creatinin test performs normal range. The kidneys function condition of the 18 male cats are normal after treatment.

Key words : water intake, urine concentration, commercial cat food