THE EFFECT OF HEAT STRESS AND VITAMIN C FEEDING ON HEMATOLOGIC PROFILE OF GAOK CHICKEN

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ABSTRACT

This study aims to determine the effect of heat stress and vitamin C feeding on the hematological profile of Gaok chicken. The research parameters were erythrocytes, hemoglobin, hematocrit, and leukocytes in Gaok chicken blood. The method used was the experimental method of Randomized Block Design (RAK), consisting of 4 treatments, each treatment was repeated 4 times so that 16 units were obtained, with a total of 2 chickens per experimental unit, so this study used 16 birds, with S0V0 (Temperature) treatment. Room without Vitamin C), S0V1(Room Temperature with Vitamin C), S1V0(High Temperature without Vitamin C), S1V1(High Temperature with Vitamin) the dose of vitamin used is 10 g per 5 liters of water. Data analysis using ANOVA. The results of this study showed that the effect of heat and the administration of vitamin C had no significant effect ($P<0.05$) on the number of erythrocytes, hemoglobin, hematocrit, leukocytes of Gaok chicken blood. Provision of vitamin C is intended to neutralize the effects of heat stress, but there is no interaction between vitamin C treatment and temperature treatment.

Keywords *; Gaok chiken, Heat stress, Hematology, Vitamins*