The Effect of Adding Selenium Yeast as a Feed Supplement on the Blood Profile of Laying Quails under Heat Stress Conditions
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ABSTRACT

This study aim to determine the effect of adding selenium yeast as a feed supplement on the blood profile of laying quails under heat stress conditions. This study was conducted in the Jember State Polytechnic cage using 400 Peksi strain laying quails divided into two groups, namely 200 quails kept at room temperature and 200 quails given heat stress. The method used in this study was a Completely Randomized Design (CRD) with 4 treatments and 5 replications so that there were 40 experimental units (10 in 1 replication). This feed treatment used selenium yeast as a feed supplement with different doses, P0 = feed without the addition of selenium yeast, P1 = feed + selenium yeast 0.5 g / kg, P2 = feed + selenium yeast 1 g / kg, P3 = feed + selenium yeast 1.5 g / kg. The parameters observed were the blood profile of laying quails consisting of erythrocytes, hemoglobin, leukocytes, lymphocytes, heterophils and H/L ratio. Data were analyzed using Analysis of Variance (ANOVA), if the results have a significant effect (P<0.05) then it will be continued with the Least Significant Difference Test (BNT). Based on the results of the analysis, it was shown that the addition of selenium yeast in the feed had no significant effect on the blood profile of laying quail.

Keywords: *Selenium Yeast, Blood Profile, Laying Quail, Heat Stress*