

The Effect of Addition Selenium-Yeast as a Feed Supplement on the Blood Fat of Laying Quail (Coturnix coturnix japonica) Layer Phase

Zamzam Maulana Santosa

Poultry Business Management Study Program

Animal Husbandry Department

ABSTRACT

This study aims to determine the effect of adding selenium-yeast as a feed supplement on the blood fat of laying quails in the layer phase. The study involved 288 laying quails. The research used a completely randomized design (RAL) method consisting of 4 treatments and 6 replications, with each replication using 12 quails. The treatments were P0 (0 g/kg), P1 (0.5 g/kg), P2 (1 g/kg), and P3 (1.5 g/kg). The data obtained were analyzed using analysis of variance (ANOVA). If the data showed significant differences ($P < 0.05$), the least significant difference (BNT) test was conducted. The observed parameters were cholesterol, triglycerides, HDL, and LDL. The analysis showed that the addition of selenium yeast in the feed had a significant real influence ($P < 0.05$) on the HDL component in laying quails. The conclusion is that the addition of selenium-yeast as a feed supplement indicates the real influence of selenium-yeast on blood fat metabolism, particularly HDL, which has the potential to affect energy metabolism or performance.