

***Effect of Addition of Bile Acid and Chlorella vulgaris As Feed Additive On
Production Performance of Laying Quail
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ABSTRACT

This study aims to determine the effect of the addition of bile acid and chlorella vulgaris as feed additive on the production performance of laying quail. This research was conducted from July 18th to August 14th 2023 in Kranjingan Village, Kramat Neighborhood, Jember Regency. The research was conducted using the experimental method of Completely Randomized Design (RAL) and Analysis of Variance (ANOVA), if there were significant differences continued with the Duncan Multiple Range Test (DMRT) using 180 laying quails divided into 4 treatments and 5 replicates with the level of addition of P0 (0 g/kg), P1 (1 g/kg bile acid), P2 (1 g/kg chlorella vulgaris), P3 (1 g/kg bile acid and 1 g/kg chlorella vulgaris) and each treatment contained 8 laying quails. Parameters observed were feed consumption, quail day production (QDP), egg weight, and feed egg ratio (FER). The results showed that the provision of chlorella vulgaris and bile acid at the level of 1 g/kg through the feed had a significant effect ($P < 0.05$) on quail day production (QDP) and egg weight values, but no significant effect ($P > 0.05$) on feed consumption and feed egg ratio (FER).

Keywords: *Bile Acid, Chlorella Vulgaris, Quail Performance*