

ADDITION OF FERMENTATED CASSAVA STARCH WITH *Bacillus subtilis* ISOLATE IN FEED ON THE PRODUCTION OF LAYER QUAIL

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ABSTRACT

This study aims to determine the effect of adding fermented cassava flour with *Bacillus subtilis* isolate and adding unfermented cassava flour to the productivity of laying quail. This study used a completely randomized design (CRD) with four treatments and five replications. The treatment for the addition of fermented cassava flour is P0 (without adding cassava flour), P1 (addition of fermented cassava flour 25g / kg), P2 (addition of fermented cassava flour 50g / kg), and P3 (addition of fermented cassava flour 75g / kg). The data obtained by using the Analysis of Variance (ANOVA), and if there is a real difference, continue the Duncan test at the 0.05 level. The results showed that the addition of fermented cassava flour at different levels of administration had a significant effect on feed intake, egg production, egg mass, and feed conversion. The conclusion of this study shows that the addition of fermented cassava flour with isolat *Bacillus subtilis* can increase the productivity of laying quail.

Key words: *Bacillus subtilis*, cassava flour, quail eggs and productivity of laying quail.