

POTENTIAL COMBINED OF LACTIC ACID BACTERIA *Lactobacillus casei* AND *Lactobacillus rhamnosus* IN THE FEED TO THE LEVEL OF CONSUMPTION AND FEED CONVERSION RATE OF BROILERS.

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ABSTRACT

This study was conducted to determine the potential combined of lactic acid bacteria *Lactobacillus casei* and *Lactobacillus rhamnosus* into broiler feed to improve the level of consumption and feed conversion rate of broilers. This study uses 3 treatments with 6 replications. P0 was the control group, broiler feed without the addition of lactic acid bacteria combined *Lactobacillus casei* and *Lactobacillus rhamnosus*, P1 treatment group were feed with the addition of lactic acid bacteria 0.25% *Lactobacillus casei* and 0.25% *Lactobacillus rhamnosus*, group P2 treatment feed with the addition of lactic acid bacteria 0.5% *Lactobacillus casei* and 0.5% *Lactobacillus rhamnosus*. Data were analyzed by Analysis of Variant (ANOVA) if there was a significant effect then proceed with Duncan's multiple range test with significance level of 5%. Feed consumption study results indicate there was a significant increase ($p < 0.05$) in the group of P2 when compared with controls (P0). The addition of 0.5% *Lactobacillus casei* and 0.5% *Lactobacillus rhamnosus* in the feed showed effective results on feed conversion of broiler.

Keywords: Broiler, *Lactobacillus casei*, *Lactobacillus rhamnosus*, feed consumption, feed conversion rate.