

Synbiotic Prebiotics and Probiotic Candidates in Fermented Snail Meat on Carcass Performance of Kampung Super Chicken

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ABSTRACT

This study aims to determine the effect of the addition of prebiotic synbiotics and fermented snail meat probiotic candidates on the performance of super free-range chicken carcasses. This research conducted from June to August 2023. The design used in this study was a Completely Randomized Design with 4 treatments and 5 replications, using 120 super Kampung chickens. Synbiotic supplementation of snail meat in the ration consisted of P0 (control), P1 (5 ml/kg), P2 (10 ml/kg), P3 (15 ml/kg). Parameters observed were live weight, carcass weight, carcass percentage, abdominal fat percentage of super free-range chicken. The research data were analyzed using Analysis of Variance (ANOVA), then continued using Duncan's test to find out how big the difference was. The results showed that the treatment of adding snail MOL to the ration as a substitute for protein had a significant effect ($P < 0.05$) on live weight, carcass weight, percentage of carcass, percentage of abdominal fat, and on the level of concentration of synbiotic administration of snails in the ration which had an effect on level 5 ml, as well as synbiotic substitution of snail meat in the ration can replace growth promoters and protein up to 16% in the final weight of super free-range chicken.

Keywords : *super kampung chicken, synbiotic, snail, carcass performance*