THE EFFECT OF GIVING PROBIOTIC LACTID ACID BACTERIA IN DRINKING WATER ON PERCENTAGE OF MALE BROILER CHICKENS ABDOMINAL FAT

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ABSTRACT

The aim of this research is to know the effect of giving probiotic lactid acid bacteria in drinking water on percentage of male broiler chicken abdominal fat. In this study, probiotics contains of acid lactid bacteria consists of *L. acidophilus*, *L. casei*, *L. fermentum*, *L. plantarum*, *Pediococcus* sp. Twenty eight broiler chickens were randomized into seven treatments with each treatment having four replicate. After 35 days of the treatment period. The obtained data was analyzed using ANOVA and Duncan. The results of P₀ group as a control group had abdominal fat percentage 1.40%. P₁ group with *L. acidophilus* had abdominal fat percentage 0.96%, P₂ group with *L. casei* had abdominal fat percentage 0.92%, P₃ group *L. fermentum* had abdominal fat percentage 0.92%, P₄ group with *L. plantarum* had abdominal fat percentage 0.92%, P₅ group with *Pediococcus* sp. had abdominal fat percentage 0.95% and P₆ group with Mix Probiotic (*L. acidophilus, L. casei, L. fermentum, L. plantarum, Pediococcus* sp.) had fat abdominal percentage 0.64%. Based on the result showed that mixed probiotic lactid acid bacteria can decrease percentage of male abdominal fat broilers chickens.

Keywords: Probiotic Lactid Acid Bacteria, Abdominal Fat, Male Broiler Chickens