
Faculty of Agricultural Technology Rajamangala University of Technology Thanyaburi
Project Title : Effects of Tamarind kernel powder and *Lactobacillus Reuteri* as Probiotics in Productive Performance and Meat Cholesterol Broiler
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Abstract

This experiment was conducted to investigate the Effect of tamarind kernel powder and *lactobacillus reuteri* as probiotics in productive performance and meat cholesterol broiler. 360 day old chicks of Arbor Acres were used start treatments at 10 day-old chick, the experimental design was used completely randomize design (CRD) with 2x2 factorial. For this purpose, chickens were divided into four treatment include: 1st control group, without tamarind and probiotic. 2nd group is containing with 10⁶ Cfugr probiotic on feed. 3rd group contains 3% TKP on feed. 4th group contains both of 3% TKP and 10⁶ Cfug probiotic on feed. And then have five replications in every treatment. There are 20 experimental units, 18 broiler chick on every replication then the chicks were grown to 42 days of age. Based on the result of CRD with 2x2 factorial design, this experiment indicated probiotic had no difference significant effect on productive performance (Feed intake, Feed conversion ratio, Mortality) and cholesterol levels on chest meat of broiler (P>0.05) except average daily gain with probiotic supplements (10⁶ Cfugr). And prebiotics had no significant effect on productive performance also cholesterol (P>0.05) in the levels 3% of tamarind kernel powder.

Keywords : broiler, tamarind kernel powder, lactobacillus reuteri, cholesterol levels, productive performance.