THE POTENTIAL OF COMMERCIAL PROBIOTIC TO BROILER’S WEIGHT GAIN, FEED CONSUMPTION AND FEED CONVERSION OF BROILER

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ABSTRACT

The aim of this study was to determine the effect of probiotic (combination of Bifidobacterium bifidum, Lactobacillus acidophilus, Bacillus subtilis, Aspergillus niger and Saccharomyces cerevisiae bacteria) influence toward broiler’s weight gain, feed consumption and feed conversion. The experiment animals were twenty chicken, divided into four treatments and five replications. Four different probiotic dosages, P0: controls, P1: drinking water supplemented by probiotic dosage 0.5 ml/liter, and P2: drinking water supplemented by probiotic dosage 1 ml/liter and P3: drinking water supplemented by probiotic dosage 1.5 ml/liter. The data were analyzed using the Analysis of Variance Statistic Method (ANOVA, α=5%) and if there were differences among the treatments, The Duncan’s Multiple Range 5% Test was used. Research results there were significantly differences among treatments on broiler’s weight gain, feed consumption and feed conversion of broiler. However the best result was in treatment P2(1 ml/liter probiotic drinking water).

Key words: commercial probiotic, weight gain, feed consumption, feed conversion