

**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, $\alpha=5\%$) 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 : commersial probiotic, weight gain, feed consumption, feed conversion