

**EFFECT OF COMMERCIAL PROBIOTIC
PRODUCT ON THE PERFORMANCE OF VILLAGE
CHICKENS**

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ABSTRACT

An experiment was carried out to study the effect of commercial probiotic product on the performance of village chickens. A total of 90, 24-week-old Village chickens were randomly divided into three treatment groups in a Completely Randomized Design. All treatment groups were consisted of three replicates of 10 birds each. Commercial layer diet was used for all treatments. The treatments such as a control treatment consisted of water without probiotic supplement, drinking water mixed with commercial probiotic 6g probiotic/ 5l water (1200ppm) and 3g probiotic/5l water (600ppm) as treatments one and two, respectively. The results showed 1200ppm level of probiotic give significant effect on Hen- day egg production, Number of eggs, Egg mass, egg weight, feed intake, feed conversion ratio, net feed efficiency index, fertility and egg: feed price ratio ($p<0.05$). In addition, 600 ppm concentration of commercial probiotic significantly improved the same parameters, except egg weight when compared to that of non-treated birds. Therefore, it could be concluded that addition of commercial probiotic through drinking water significantly improves the productive performance in village chicken hens. Furthermore, the productive performance of village chicken hens significantly increases when the birds administrated with 1200 ppm concentration of commercial probiotic than the 600 ppm.

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