

The Effect of Probiotics and Herbs on Feed Conversion Ratio of Broilers

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ABSTRACT

The aim of this research was to determine the effect of probiotics and herbs on feed conversion of broiler. The research was conducted to find out the effect of giving the probiotics and herbs, mixed into broiler's feed to decrease the feed conversion ratio in broiler. In this study, Probiotics contains of selulolitik bacteria and proteolytic bacteria, consists of *Enterobacter*, *Bacillus* spp., *Cellulomonas* spp. and *Actinomyces* spp. Herbs contain of meniran, turmeric, temulawak, sambiloto and ginger. Twenty broiler strains CP-707 are randomized into four treatments with each treatment having five replicate. P_0H_0 as a control group without the addition of probiotics and herbs, the addition of group P_0H_1 is 0.5% herbs, the addition of group P_1H_0 is 0.5% probiotics and the addition of group P_1H_1 are 0.5% herbal and 0.5% probiotics. The result showed that on feed conversion ratio of broiler was P_1H_1 gives of lowest different on feed conversion ratio compare to P_0H_0 , P_0H_1 and P_1H_0 . Probiotics can help to dissolve decrease feed conversion ratio with the volume of bacteria although the herbs help to stabilize the condition of livestock, so the livestock can be maintained well and can be reach optimal growth.

Keywords: Probiotics, Herbs, Feed Conversion Ratio