

THE EFFECT OF GIVING CITRIC ACID AND DEXTROSE IN MINERAL WATER ON THE WEIGH OF BROILER DIGESTIVE ORGANS

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ABSTRACT

The aims of this research was to determine the effect of giving citric acid and dextrose in drinking water toward weight of broiler digestive organs. The research was held at experiment cage Faculty of Veterinary Medicine, Airlangga University. The materials for this research 25 DOC broiler strain Hubbard, divided into five treatments and five replications. Citric acid and dextrose which given in drinking water for each treatment consist of P0: controls (without citric acid and dextrose), P1: citric acid and dextrose 1g/2,5 L, P2: citric acid and dextrose 1g/5 L, P3: citric acid and dextrose 1g/7,5 L, P4: citric acid and dextrose 1g/10 L. The data were analyzed using Analysis of Variance Statistic Method (ANOVA, $\alpha=5\%$), if there was a real difference in treatment the test will becontinued with Duncan's multiple range test and a confidence level of 95% ($\alpha=5\%$). The result showed that the giving of citric acid and dextrose in drinking water was not significantly ($P>0,05$) in a broiler's weight gain, but it significantly affect ($P<0,05$) in a feed conversion of broiler.

Keywords: *citric acid and dextrose, digestive organs, broiler.*