THE EFFECT OF GIVING CITRIC ACID AND DEXTROSE THROUGH MINERAL WATER ON WEIGHT GAIN AND FEED CONVERTION OF BROILER

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ABSTRACT

The aim of this research was to determine the effect of giving citric acid and dextrose through drinking water toward weight gain and feed convertion of broiler. The research was conducted at experiment cage Faculty of Veterinary Medicine, Airlangga University. The research materials were 25 DOC broiler of 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, α=5%) , if there was a significant difference in the treatment will be continued with Duncan's multiple range test and a confidence level of 95% (α=5%). The result showed that the giving of citric acid and dextrose in drinking water was not significantly ($p>0.05$) in a weight gain of broiler, but it significantly different ($p<0.05$) in a feed convertion of broiler.

Keywords: citric acid and dextrose, weight gain, feed convertion, broiler.