



ABSTRACT

The purpose of this study was to evaluate the effect of Vitalind[®] on increasing the body mass of the broiler cock.

This study used 36 broiler cocks which grouped into 3 separate groups; each group consisted of 12 broiler cocks. Group A as a control group was feed with BR1 and tap water. Group B was feed with BR1 and 5% Vitalind[®]. Group C was feed with BR1 and 10% Vitalind[®]. Measurement of body mass and feed mass was done every week until the 4th week. The average body mass data was analyzed using Split-plot and Tukey's Test, meanwhile the body mass and the feed mass were analyze using FCR.

The result of this study showed that the average body mass of control group every week were 157, 532, 1057 and 1678 respectively, with FCR value of 1.9. The average body mass of group B 5% Vitalind[®] were 147, 523, 1030, and 1618 respectively, with FCR value of 1.9. While the average body mass of group C 10% Vitalind[®] were 148, 556, 1066, and 1721 respectively, with FCR value of 1.6. The 10% Vitalind[®] group has showed a higher body mass and lower FCR value compared to the control group and the 5% Vitalind[®] group. Statistical analysis result showed that the effect of Vitalind[®] on increasing broiler cock body mass could be seen on the second week.

These results could be concluded that Vitalind[®] can increase the broiler average body mass. The effective dose of Vitalind[®] to reach the optimal broiler body mass is 10 cc of Vitalind[®] dilute in 1000 cc of water.

Keywords: broiler cock, Vitalind[®], body mass