

ABSTRACT

The purpose of this study was to evaluate the effect of Supplements containing Vitamins and Antioxidants and Supplements containing Vitamins and Amino Acids on the increase of body mass of male doves.

This study used 9 male doves grouped into 3 separate groups; each group consisted of 3 doves. Group I as a control group was feed with brown rice and tap water ad libitum. Group II was fed with brown rice and Supplements containing vitamins and antioxidants mixed into drinking water. Group III was feed with brown rice and Supplements containing vitamins and amino acid mixed into drinking water. Measurement of body mass was done every week, until the 28th day. The *Average Daily Gain* (ADG) data was analyzed using *One-way Anova* and Tukey's Test.

The result of this study showed that the ADG of control group was 1.7 gram/day. The ADG of group II was 2.5 gram/day. While the ADG of group III was 4.94 gram/day. The result analysis shows that the control group with group II did not show a significant increase in weight. While the Group III showed a significant increase in weight with control group and group II.

These results could be concluded that Supplements can increase the doves average body mass. Supplements containing vitamins and amino acid more effective in increasing doves body mass compared to the supplement containing vitamins and antioxidants.

Key Words : Weight, Dove, Supplements