

ABSTRACT

The major purpose of this study was to determine whether *Pleurotus ostreatus* (oyster mushroom) as a feed supplement has an effect on the weight and hemoglobin level of *Merocricetus brandti* (golden hamster). It has been reported that oyster mushroom has high level of iron and mevinolin that can affect the hemoglobin level and weight of golden hamster. A total number of 36 male golden hamsters were used. golden hamsters were divided into four groups representing the control group T_0 , and the other group with different concentration of oyster mushroom. The addition of oyster mushroom to the diet of golden hamster was T_1 = with 25% oyster mushroom, T_2 = with 50% oyster mushroom and T_3 = with 75% oyster mushroom. The blood extraction and RBC analysis were done to know the differences in their RBC among the groups. The control group serves as the basis for the differentiation of the hemoglobin level. The results were average and data were obtained. In hemoglobin level, T_0 = 0.89, T_1 = 6.00, T_2 = 9.62 and T_3 = 12.67. The numerical data were computed by means of ANOVA and Scheffe method. The results showed that there were an increase in the hemoglobin level and decrease on weight.

