The Effect of Different Levels of Edible Mushroom (Pleurotus florida) in Poultry Feed (Starter, Grower, and Finisher Rations) as an Alternative Ingredient of Soya Bean on the Production Performance of Broilers

Alshatti, Lujen (School: Om Maqail Al Assdiah School (Girls))

The consideration in local poultry industry must be given to obtaining the high-value of food sources from appropriate raw materials at economical prices and maintaining the health level of the birds. This project was conducted to study the (Pleurotus florida) on palm fronds and how to get a suitable broiler feed rations from an alternative ingredient. The experiment recorded impressive results for the percentage of protein in Pleurotus florida that reached to 36.7% relative to its dry weight. The objectives of the project is to study the effect of using different levels of Pleurotus florida that were grown on palm leaves on the broilers performance plan that were raised in cages. Cobb 500 broilers were used and they were fed for 35 days old. The broilers were randomly divided into three groups, control group 0% (A) of Pleurotus florida, group (B) 7.5% of Pleurotus florida that were collected from grown on palm leaves, group (C) 10% of Pleurotus florida grown on palm leaves. Each group has three replicates and it contained three birds per cage. The results showed there were no difference between A and B, but it shows difference in C. This study demonstrated the possibility of using Pleurotus florida as alternative ingredient than the soyabeans in the poultry ration. The feed efficiency and body weight was improved in C as compared with control and B. Therefore, using 10 % of Pleurotus florida in the feed will reduce the cost of the overall feed ration, increased profitability 20% and gives excellent performance plan at 35 days old of the birds.

Awards Won: