

EFFECT OF ROSEMARY ON RABBIT PHYSIOLOGICAL TRAITS

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ABSTRACT

This Experiment was carried on 12 local rabbit bucks, 4-5 weeks old and 580.6±45.23 gm. weight. In Filled of Department of animal resource, College of agriculture, university of Diyala. From six week during the period from 15/3/2013 to 26/4/2013. Animals were randomly assigned into Three treatment groups with Four replicates per treatment each main group was divided into one sub group(1 animal /Wood cages).The animal were fed adlibitum on rations contain same crude protein(15.95%) and metabolizable energy(2514 Kcal/kg. feed) The aim of this Experiment was determine effect supplement of rosemary with ratio (10 and 15gm/ Kg. feed) for 6 weeks on Blood physical and Biochemistry Parameters . The blood samples were obtained from Marginal ear vein from all rabbits at the end of fattening period to study some blood parameters as Red blood cell count(RBC), White blood cell count (WBC) ,Hemoglobin(Hb). Packet cell volume(PCV). (MCV =Mean Corpuscular Volume). (MCH =Mean Corpuscular). Heamoglobin (MCHC =Mean Corpuscular Heamoglobin Concentration) and Biochemical parameters as Total protein TP, Albumen AL, Total Fat TF, Globulin GLO, Cholesterol GLY and Glucose GLU. The results indicated that percentage Rosemary has significantly affect almost physiological traits. The Red and White blood cell counts, Hemoglobin, Packet cell volume, Total protein, Albumen, and were increased significantly ($p \leq 0.05$),while glucose, Cholesterol were decreased significantly($p \leq 0.05$) for rabbits fed ration contain(10, 15 gm/ kg. feed) Rosemary as compared to control. While no significant effect were found in TP,AL, TF And GLO for rations contain different percentage (10, 15gm/ kg. feed) of Rosemary as compared to control.
