

# EFFECT OF FORMALDEHYDE TREATED AND UNTREATED ANISE SEEDS SUPPLEMENTATION TO THE RATION IN SOME BLOOD CHARACTERS FOR RAM AWASI LOCAL

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This study was conducted at the Animal Farm pertaining to the Department of Animal Resources, College of Agriculture, University of Baghdad from 4/10 to 4/11/2012 to investigate the effect of adding treated and untreated Anise with formaldehyde to the Ration of ram on some blood , Nine local Awasi ram aged one year were allocated for three treatment groups with three rams each group and the groups was as follow : Control treatment (without adding) , treatment 1 adding 3 gram of treated Anise , treatment 2 adding 3 gram of untreated Anise. At the end of the study blood samples were collected from Jugular vein to measure each white blood cells , red blood cells , white blood cells differential count , Hemoglobin concentration , Red blood cell volume , Red blood cell Hemoglobin concentration , packed cell volume , platelet count , cholesterol , glucose , total protein , globulin , Albumin , Urea , GOT and GPT Enzymes , alkaline phosphatase , triglycerides and high density lipoprotein . Results showed significant ( $p>0.05$ ) decline in serum GOT enzyme (63 unit/liter) for treatment 1 when compared with control treatment (80.50 unit/liter) and treatment 2 (86 unit/liter) , also there was significant increase in concentration of alkaline phosphatase in serum to both groups of anise treated and untreated they were 42 and 60 unit/liter respectively compared with control group which was 34.00 unit/liter while don't significant changes in the other characters in the blood covered by the study.

Key word: Anise , Formaldehyde , Awasi local , Blood .