

**EFFECTS OF ADDING CHLORTETRACYCLIN ANTIBIOTIC AND
DIFFERENT LEVELS OF THYME LEAVES POWDER *Thymus Vulgaris*
IN THE RATION IN SOME PHYSIOLOGICAL CHARACTERISTICS
OF BROILER.**

Mohammed Ahmed Shwyel

Dept. Of Animal Resources -Agriculture College Diyala University .

ABSTRACT

This experiment was conducted to study the effect of adding different levels of thyme leaves powder to broiler ration at levels of 0 , 0.2 , 0.4 , 0.6 % for treatments C,T₁, T₂, T₃ respectively and one does of chlortetracycline antibiotic which was 150 gm of antibiotic / tone of feed (stimulate growth level) for treatment Ab to show the effect of these treatments on some blood characteristics of broilers. With continuous adlibitum feeding of this ration from 7 – 47 day of age. The results showed at 35day there was Significant decreased in cholesterol concentrate of blood serum to treatment T₁, T₂ and Ab as compared with C and T₃ treatments . Where as significant decreased of total protein concentrate in the blood serum for the treatment T₁ compared with other treatments also significant increase in uric acid concentrate in blood serum for treatment Ab compared with C ,T₁, T₂ and T₃ .As for antibody against Newcastle disease there was significant increased for treatment T₂ compared with other treatment and at age of 47 day the results also showed that there is no significant differences in cholesterol concentrate and total protein in blood serum between all treatment and significant decreased happened in uric acid concentration in blood serum for treatment Ab , T₁ and T₃ compared with control treatment C . As for antibody against Newcastle disease in blood serum the results showed significant decreased for treatment Ab compared with other treatment , AS for enzymes concentrates GOT and GPT in blood serum there was no significant differences between the treatment during that period while significant increased in enzymes concentrate ALP in blood serum for treatment T₃ compared with treatment T₁.