

Effect of dietary supplementation of Tulsi (*Ocimum sanctum*) leaf powder on hematological parameters and oxidative stress marker in broilers

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ABSTRACT : Experiment was conducted on 72-days old chicks of same hatch upto six weeks of age to investigate the effect of Tulsi (*Ocimum sanctum*) on the hematological parameters of broilers. Chicks were randomly divided into four groups, 18 chicks in each. Control group received standard broilers diet. Chicks in second, third and fourth group received standard broilers diet supplemented with Tulsi leaf powder TLP @ 0.25, 0.50 and 1 per cent. At the end of experiment nine broilers from each group were selected, sacrificed for collection of blood sample with the help of anticoagulant for determination of hematological parameters. Results revealed a significant effect of TLP in feeds on haemoglobin, lymphocyte ($P<0.05$) and heterophill and alkaline phosphatase which were significantly higher on diet supplemented with 1.0% TLP.

Key Words : Broiler, tulsi, hematology, oxidative stress.