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## Effect of feeding *Salvia leriifolia* (NOWROOZAK) leaf Powder on Immunity Response of broiler chicks

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### Abstract

The present experiment was conducted to investigate the effects of adding graded levels (0, 0.30, 0.45 and 0.6%) of nowroozak (*Salvia leriifolia*) to the basal experimental diet on the broiler chicks immune response. Two hundred and fourty unsexed Ross broiler chicks were randomly distributed; 60 birds/dietary treatment and each treatment contained 6 replicates (10 birds/replicate). The results showed Total White Blood Cells (TWBC) of birds fed 0.3% Nowroozak was significantly ( $p < 0.05$ ) higher compared to these fed other dietary treatments and the lower TWBC was recorded by the control treatment. No significant differences in blood serum total protein, albumen and globulin were observed. Colour, flavour, tenderness and juiciness of sensory evaluated samples were not statistically different. It was conducted that added 0.3% of nowroozak had beneficial effect on broiler immunity response.

**Keywords:** Nowroozak, Immune Response, Broiler