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EFFECT OF DIETARY SUPPLEMENTATION OF *CHLORELLA VULGARIS* (GREEN MICROALGAE) ON SERUM BIOCHEMICAL PARAMETERS OF JAPANESE QUAIL

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ABSTRACT

The serum biochemical profile of the Japanese quail was estimated the parameters which were evaluated include serum cholesterol, triglycerides (TGL), total proteins, albumin, globulin, and glucose. The major focus in research is to provide a nutritional feed alternative which ensures the health of the animals. The nutritional preparations along with the algae (Chlorella vulgaris) in powdered form was incorporated in (control, 5g, 1g, 20g & 40g Chlorella vulgaris per kg of feed) the basal diet of Japanese quail. The biochemical profile showed changes in the level with age of the Japanese quails fed with Chlorella vulgaris. Ageing increased cholesterol and triglyceride level. Increasing algae level proportionately reduced the cholesterol and triglyceride level. The total proteins, albumin, globulin and glucose content of the quails fed with Chlorella vulgaris increased with age.

KEYWORDS: *Serum Biochemistry, Chlorella Vulgaris, Japanese Quail*