

Supplementation of Spirulina Powder (*Spirulina platensis*) in Rations on the Cholestrol Level of Laying Hens

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ABSTRACT

*The purpose of this study was to determine the effect of spirulina powder supplementation (*Spirulina platensis*) in feed on cholesterol levels of laying hens. This study used a completely randomised design (CRD) experimental method, with 20 laying hens in 4 treatment groups and 5 replicates, each treatment consisted of 5 laying hens so that there were 20 experimental units. The treatments given were T0 (control); T1 (0.5 grams); T2 (1 gram); T3 (1.5 grams). The treatment started at the age of 46 weeks to 49 weeks. Parameters observed were cholesterol, high density lipoprotein, low density lipoprotein and triglyceride. The results showed a significant effect ($P < 0.05$) on high density lipoprotein but no significant effect on cholesterol, low density lipoprotein and triglycerides.*

Keywords: *Spirulina, Laying Hens, Cholesterol, HDL, LDL, Triglycerida*