SERUM PROTEIN TOTAL CONCENTRATION OF BROILER WHICH WAS EXPOSED BY HEAT STRESS

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ABSTRACT

The poultry is prime strategy to fulfill the demand of animal product. The poultry especially broiler, has developed rapidly. It was due to the increasing demand of animal product. Broiler is sensitive to stressor, including heat stress. Therefore, heat stress is a problem in poultry. The aims of this research is to detect change of total concentration of serum protein from broiler which was exposed by heat stress.

This research was done at PUSVETMA cage and blood analysis was done in Laboratory of Veterinary Clinical Pathology UNAIR. This research used 20 DOC (Day Old Chicken) broiler Cobb strain and the chicks were randomly divided in two treatments and ten replications. Control group (P0) was given normal temperature of brooder for 6 week. Treatment group was exposured by temperature 35 – 35,5°C from 7.00 a.m until 3 p.m (8 hour/day) for 4 week.

This research was analyzed using SPSS software. The results showed that serum protein total concentration was not significantly different between treatment group and control group (P>0,05).

Key words: Broiler, Serum protein total, Heat stress