PENGARUH PAPARAN *HEAT STRESS* TERHADAP KADAR TOTAL KALSIUM DARAH PADA AYAM PEDAGING

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**ABSTRACT**

Research on the influence of heat stress for blood calcium level on broiler has been done. High temperature and long summer season at tropical countries, can cause generate stress and awaken behavioral adaptation (behaviour) livestock. The aim of this research found out blood calcium level to know the changing of chicken physical and physiology of broiler. The Research was done at research cage of Pharma Veterinary Center and the blood analysis was completed at Laboratory of Veterinary Clinical Pathology of Airlangga University. This research used 20 DOC (Day Old Chicken) broiler strain Cobb and commercial chicken diet CP 511 produced by PT. Charoen Pokphand. Procedures of chicken were as follows: P0 : given under normal temperature of brooder during 6 week (Control). P1 : given under temperature 35-35,5 °C starting from 7:00 am until 3:00 pm (8 hour/ day ) during 4 week (Treatment). This research was analyzed using t-test and SPSS 11,5 for Windows. The Final Result showed that blood calcium level in different treatments groups did not show significant differences compared to control group (p>0,05).

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