Spleen Weight and White Pulp Diameter Picture in Broiler Chickens Exposed to Cronic Heat Stress

Abstrak:

Chicken is a type of livestock, including highly sensitive to various forms of physical or psychological stressors, including heat stress. Stress immunosuppressive is one factor that can decrease body's defense system, feed conversion, fertility and stimulate the emergence of free radicals, to cause damage to cell membranes, causing inflammation and degenerative diseases. In this study, using the parameters spleen weight and white pulp diameter. This research was carried out to determine changes in spleen weight and white pulp diameter picture in broiler chickens exposed to chronic heat stress. Research conducted in the enclosure experiment PUSVETMA and histopathological examination was conducted in the laboratory of Veterinary Pathology Airlangga. Experimental animals used in this study is the DOC Cobb broiler strain were 20 males who were divided randomly into two groups: P0 (control): given a temperature room for 6 weeks. P1 (Treatment): 35-35,5 ºC temperature are given beginning at 7:00 am to 15:00 pm (8 hours / day) for 4 weeks. The data obtained were analyzed using SPSS 17 for Windows. final results of research can be concluded that administration of heat stress is a significant change, where heat stress can cause a decrease in spleen weight and white pulp diameter in broiler chickens.

Keyword:

Daftar Pustaka:

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