ABSTRACT

BLOOD PICTURE OF MEDIUM TYPE ROOSTER WITH DIFFERENT DENSITY IN STAGE CAGE

By

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One of animal protein sources that is very essential for public health is chicken meat. Chicken meat can be obtained from medium type rooster besides broiler and home chicken. Medium type roosters has potential as meat producer. It is caused by day old chick (DOC) of medium type rooster that has a relatively cheaper price, body shape and fat content similar to home chicken. The potential of medium type rooster could be achieved optimally if the maintenance management is done well. One of the essential maintenance managements should be noticed is the density of cage. Unapproprate cage density would affect the comfortable condition of chicken then it affected one of physiological factors, blood picture.

This research aimed to find out blood picture (erythrocytes, hemoglobin, and hematocrit) of medium type rooster in different densities of stage cage maintenance and to find out the influen of best cage density to blood picture of medium type roosters in stage cage.

This research used complete random planning consisted of three treatments by six time, namely P1: cage density of 16 chickens m^{-2}, P2: cage density of 20 chickens m^{-2}, and P3: cage density of 24 chickens m^{-2}. The resulting data were analyzed by using the assumption of variance at the level of 5%.

The results showed the cage density of 16, 20, and 24 chickens m^{-2} affected non significant ($P > 0,05$) to the total amount of erythrocytes (2,43 to 2,76 x 10^6/ mm^3), hemoglobin (12,21 to 14,10 g/dl), and hematocrit (31,10 to 34,35%). Therefore, the picture of medium type roosters was maintained in syage cage with cage density of 16, 20, and 24 m^{-2} showed good result.