

## **MATERNAL ANTIBODI NEWCASTLE DISEASE DAN AVIAN INFLUENZA PADA DUA STRAIN BROILER**

Oleh

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### **RINGKASAN**

Penelitian ini dilakukan untuk menganalisis maternal antibodi *Newcastle Disease* dan *Avian Influenza* Pada dua *strain* broiler. Penelitian dilakukan di *Teaching Farm Closed House* Politeknik Negeri Lampung dan Balai Penyidikan dan Pengujian Veteriner Lampung yang dilaksanakan pada bulan Agustus–September 2021. Penelitian dilakukan dengan menggunakan 25 ekor broiler *strain A* dan 25 ekor broiler *strain B*. Pengambilan sampel darah dilakukan secara berkala dengan selang waktu 4 hari, titik pengambilan sampel dilakukan pada pembuluh darah vena. Berdasarkan hasil penelitian menunjukkan bahwa titer antibodi *Newcastle Disease* broiler *strain A* lebih tinggi dibandingkan broiler *strain B*, sedangkan pada titer antibodi *Avian Influenza* broiler *strain B* lebih tinggi dibandingkan broiler *strain A*.

Kata kunci: antibodi, *avian influenza*, *newcastle disease*

# **MATERIAL ANTIBODY IN NEWCASTLE DISEASE AND AVIAN INFLUENZA TO TWO BROILER STRAINS**

By

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## **ABSTRACT**

This study was conducted to analyze maternal antibody to *Newcastle Disease* and *Avian Influenza* in two *strains* broiler. The study was carried out at the Teaching Farm Closed House of the Lampung State Polytechnic and the Lampung Veterinary Investigation and Testing Center which was carried out in August–September 2021. The study was conducted using 25 *strains* A and 25 broilers of *strain* B. Blood samples were taken periodically with intervals within 4 days, the sampling point was carried out on the veins. Based on the results of the study, it was shown that the antibody titer of *Newcastle Disease* broiler *strain* A was higher than broiler *strain* B, while the antibody titer of *Avian Influenza* broiler *strain* B was higher than broiler *strain* A.

Keywords: antibody, *avian influenza*, *newcastle disease*