

SERUM NEUTRALIZATION TEST (SNT) IN BROILER ANTIBODI AT FARM THAT VACCINATED AVIAN INFLUENZA

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ABSTRACT

The aim of this research was to find the comparison of netralization Avian influenza viruses ability in Broiler antibodi at farm that stimulated by different vaccine with Serum Neutralization Test (SNT). Serum sample used was 40. Sample of the study was taken through several phases, namely: 1. Titration of Virus used Egg Infectious Dose 50 (EID₅₀); 2. Identification and Titration of Antibodies used Haemagglutination Inhibition Test (HI Test); 3. Serum Neutralization Test (SNT). Using Reed and Muench methods, the result of the study on Egg Infectious Dose 50 (EID₅₀) test was $2 \times 10^{8.6}$ EID₅₀/ml. Titer antibodies from A and B vaccine HI test showed one highest that is 2^7 and the calculation from SNT result that (A19) was 1 : 7 , on (B7) was 1 : 5 that are ability in neutralizing 50% of H5N1 viruses. It showed that A vaccine was more ability in neutraliziing Avian influenza viruses than B vaccine.

Key Word : *Avian influenza, Vaccine, Serum Neutralization Test (SNT)*