

**KONFIRMASI PENGUJIAN TITER ANTIBODI  
VIRUS AVIAN INFLUENZA H5N1 UJI HAMBATAN  
HEMAGLUTINASI (HI TEST) DENGAN METODE  
*SERUM NEUTRALIZATION TEST (SNT)***

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**ABSTRACT**

The aim of this research was to confirm titer antibodies of Avian Influenza H5N1 virus Haemagglutination Inhibition (HI Test) with Serum Neutralization Test (SNT). There were 20 serum used. Sample of the study was taken through several phases, namely: 1. Titration of virus used Tissue Culture Infecting Dose 50 (TCID<sub>50</sub>); 2. Identification and Titration of Antibodies used was Haemagglutination Inhibition Test (HI Test); 3. Serum Neutralization Test (SNT). Using Reed and Muench methods, the result of the study on Tissue Culture Infecting Dose 50 (TCID<sub>50</sub>) test was  $1,93 \times 10^7$  TCID<sub>50</sub>/ml. Then from the titer antibodies HI test (X and Y vaccine) took three highest that were 2<sub>6</sub>; 2<sub>7</sub>; 2<sub>8</sub>. Furthermore, from the three highest titers, the SNT will be used. So the SNT result (X<sub>8</sub>) was 1:10<sub>3</sub> it means it can neutralize the viruses in antibody concentrate 10<sub>3</sub>, and vaccine (Y<sub>10</sub>) was 1:10<sub>5</sub> that means can neutralize viruses at 10<sub>5</sub>. It can be concluded that SNT is capable to confirm the titer antibodies of HI Test.