

**HI TEST ON CHICKEN SERUM POST VACCINATION WITH AI H5N1
CLADE 2.3.2 USING AI ANTIGEN CLADE 2.3.2 AND 2.1.3**

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ABSTRACT

The aim of this study is to determine the purpose of antigen AI H5N1 clade 2.3.2 and 2.1.3 in HI test post vaccination of chicken serum AI H5N1 clade 2.3.2. The total serum are 35 of 25 serums test and 10 serums control were taken within twelve weeks. Haemagglutination-Inhibition test was used to determine the differences in titer results. Negative titer in ten serums control that proves the absence of exposure virus from naturally infection. The result showed highly significance on t-test analysis between antigen AI clade 2.3.2 and 2.1.3. Average HI titer log₂ using antigen AI H5N1 clade 2.3.2 was 4,92 and average of antigen AI H5N1 clade 2.1.3 was 0,96. The value t-count was 17,433. This value was greather than the value of t-count 0,01 (the value was 2,797). The result obtained demonstrate the standart antigen clade 2.1.3 cannot be used on HI test post vaccination of chicken serum AI H5N1 clade 2.3.2.

Keywords : AI, H5N1, clade 2.1.3, clade 2.3.2, HI test