

**ANTIBODY TITRE OF DOMESTIC CHICKEN (*Gallus domesticus*) POST VACCINATION OF AVIAN INFLUENZA WITH HOMOLOG H5N1 AND HETEROLOG H5N2 VACCINES**

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**ABSTRACT**

Avian Influenza have been starting to spread in Indonesia since the middle of 2003. Many kinds of policies have been released by government to solve this disease. One of the policies is vaccination programs. Vaccination program that have been done by government was “DIVA” system using H5N2 heterolog vaccine. This policy become a debatement because the viruses that have been spreading in Indonesia is H5N1. The aims of this research were to know the increasing of antibody titre of domestic chicken post vaccination and also to compare the effectivity of H5N1 homolog vaccine and H5N2 heterolog vaccine. The result of this research was the antibody titre of the domestic chickens which were vaccinated by H5N1 homolog vaccine showed higher than antibody titre of domestic chickens which were vaccinated by H5N2 heterolog vaccine.

**Key words** : Avian Influenza, Antibody, homolog and heterolog vaccine.