

## **DETECTION OF ANTIBODY AGAINST AVIAN INFLUENZA VIRUS H5 IN PIGEONS (*Columba livia*) SOLD AT ONE OF THE BIGGEST WET MARKET OF SURABAYA**

### **Abstrak :**

*This study was aimed to detect specific antibody against avian influenza virus H5 in pigeons sold at one of the biggest wet market of Surabaya. It was conducted in Virology and Immunology Laboratory, Department of Microbiology, Faculty of Veterinary Medicine, Universitas Airlangga, Surabaya, from April until May 2013. Samples were taken at one of the biggest wet market of Surabaya where were the pigeons slaughtered and was suspected as a source of the high risk transmission of avian influenza H5 virus. High risk criterias are: the shelters of live poultry from various regions, poor biosecurity, poultry slaughter places that do not have minimum standards of hygiene, no regular animal health examination by veterinarian, poultry origin and their health status are unknown. Ten pigeons blood samples were taken twice in a week for four weeks at the time of slaughtering at the market. The serum were examined serologically by Hemagglutination Inhibition (HI-test). HI titers stated as being positive against avian influenza when the serum samples has titer  $\geq 24$ . HI titers of total 80 pigeons serum samples were negative to avian influenza H5 (no positive results).*

### **Keyword :**

*Avian Influenza,,, Pigeon, Antibody*

### **Daftar Pustaka :**

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