

**SEROLOGIC STUDY OF *Newcastle Disease* INFECTED IN  
DUCK (*Anas javanicus*) SLAUGHTERED IN EAST  
SURABAYA TRADITIONAL MARKET**

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**ABSTRACT**

The aim of this research was to determine of serologic study of *Newcastle Disease* infected in duck (*Anas javanicus*) slaughtered in East Surabaya Traditional Market. This research was conducted from December 2018 until January 2019. Totally of 122 samples were taken from four traditional market in East Surabaya. *Haemagglutination Inhibition* (HI) assay was used to determine positive result with antibody titer of 4  $\log_2$  or more. The samples for HI assay were collected from duck sera that have been treated with chicken red blood cell. The result showed 13 (10,66 %) from 122 samples were positive ND.

Keywords : Serologic Study, *Newcastle Disease*, HI Assay, Duck.