

**DETECTION OF NEWCASTLE DISEASE VIRUS ANTIBODIES IN
KAMPUNG CHICKEN (*Gallus domesticus*) IN THE VILLAGE
OF GAYAMAN, MOJOANYAR, MOJOKERTO WITH
*Haemagglutination Inhibition (HI) TEST***

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ABSTRACT

The aim of this research was to determine the presence of *Newcastle Disease* (ND) antibodies titre in kampung chickens in the village of Gayaman, Mojoanyar, Mojokerto. This research is using 50 serum samples of kampung chickens. It was conducted in Virology and Immunology Laboratory, Department of Microbiology, Faculty of Veterinary Medicine, Airlangga University, from May 2016 until June 2016. Methods were used HA and HI test. The serum is separated from the blood clot, then transferred into a microtube. Serum was examined regarded as being positive when test results show the HI antibody titre 2^4 (OIE, 2012). Results of HI test indicate ND antibody titre on chicken samples were examined and all found positive samples of farmers living in 04 district. The positive antibody titre each have a value of 2^5 as many as one sample, on 2^6 as many as two samples, on 2^7 as many as two samples, and 2^9 as many as one sample.

Keywords : *Newcastle Disease*, Kampung Chicken, HA/HI test, antibody.