ABSTRACT

The aim of this research to detected AI (Avian Influenza) and ND (Newcastle Disease) virus on chickens in several traditional markets Surabaya. This research used swab trachea and cloacae of chicken as sixty one samples. The sample was collected on this study was taken several traditional markets. The methods were used: 1) Isolation virus; 2) Haemmaglutination test (HA test); 3) Haemmaglutination Inhibition test (HI test). The positive result of HA test showed that there were 7 samples. Then, the positive result of HA test was continued to HI test. The result of HI test showed that from sixty one samples, those were 3 samples (4,92%) positive Avian Influenza, 3 samples (4,92) positive Newcastle Disease and 1 sample (1,64%) positive Avian Influenza and Newcastle Disease.

Key Words: Avian Influenza, Newcastle Disease, Chickens, Traditional Markets