ISOLATION AND IDENTIFICATION OF AI (Avian Influenza) VIRUS SUBTYPE H5 IN UNHEALTHY CHICKEN IN LARANGAN WET MARKET, SIDOARJO

Indah Laili Rahmawati

ABSTRACT

This research aimed to isolate and identify AI (Avian Influenza) Subtype H5 virus from unhealthy chickens with clinical signs dyspnoea and torticollis in Larangan wet market, Sidoarjo. Fourteen samples were taken by cloacal swab from unhealthy chicken with clinical signs dyspnoea and torticollis. Then, sample isolated in Specific Antibody Negative (SAN) Eggs and incubated for five days. Allantois fluids were tested by Hemagglutinin (HA) assay and followed by Hemagglutinin-Inhibition (HI) Assay after incubated period. Antiserum of AI and ND virus were used in HI Assay. Result of the research showed that among fourteen samples, eight samples were Avian Influenza sub-type H5 positive and one of them was also ND virus positive ND virus. It can be concluded that there were AI subtype H5 virus infection in unhealthy chickens with clinical signs dyspnea and torticollis in Larangan wet market, Sidoarjo.

Keywords : Avian Influenza virus, unhealthy chicken with clinical signs dyspnoea and torticollis, Larangan wet market.