SEROLOGICAL SURVEY ON Avian influenza SUBTYPE H5N1 VIRAL ANTIBODY IN HEALTHY BLOOD DONOR IN SURABAYA

Abstrak :

The purpose of this study is to research serosurvey Avian influenza H5N1 antibody in healthy blood donor at Surabaya. This research is descriptive study to found prevalence and titre of antibody existence Avian influenza H5N1 antibody in blood donor at Surabaya and antibody in sera healthy blood donor can be neutralized cytopathic effect Avian influenza H5N1 virus. Total sample blood donor that inspected amount 773 specimen blood from Red Blood Cross Surabaya and processed at BSL-3 Avian influenza laboratory with Haemaglutination Inhibition (HI) and neutralization method. Result showed 13 blood donors from 773 blood donor have Avian influenza subtype H5 antibody. Antibody titre of subtype H5 1: 10, 2 people of blood type A, 1 people of blood type B and 2 people of blood type O. Antibody titre 1: 20 found 4 people of blood type A, 1 people of blood type B,1 people of blood type AB and 1 people of blood type O. antibody titre 1: 40 only 1 people with blood type O. This research did not found antibody in sera blood donor which can be neutralized cytopathic effect of Avian influenza virus subtype H5N1. Suggestions of this research will be needed detection antibody from other subtype of Avian influenza virus and do research for analyzed correlation between Avian influenza with blood group.

Keyword :

Avian influenza H5N1, blood donor, antibody titre

Daftar Pustaka :

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