KARAKTERISASI PROFIL PROTEIN VIRUS AV1AN INFLUENZA SUBT1PE H5N1 DENGAN ANTIBODI H5N1 VAKSIN HOMOLOG, DAN VAKSIN HETEROLOG H5N2 AVIAN INFLUENZA

Karakterisasi Profil Protein Virus Av1an Influenza Subt1pe H5n1 Dengan Antibodi H5n1 Vaksin Homolog, Dan Vaksin Heterolog H5n2 Avian Influenza

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**Avian influenza A H5N1 virus, HI test, SDS PAGE, Westem blotting, Avian influenza A H5N1 and H5N2 vaccine.**

**The purpose of this research is to study the reactivity between Avian influenza H5N1 virus and antibody from H5N1 and H5N2 Avian influenza vaccine through protein approach.**

**The methods that used were SDS PAGE to know the profile of Avian influenza A H5N1 virus field isolate. Then followed with westem blotting to know the reaction between antigen and antibody which obtained from H5N1 and H5N2 chicken sera. Antibody titre of sera were measured by HI test. Previously antibody titre was 1/1280.**

**The result showed that Avian influenza A H5N1 virus from field have profile of protein including PB 1, PB2, PA, HA, NP, NA, and M1 with molecular weight in sequence were 86,5 kDa ; 85,8 kDa ; 82,5 kDa ; 63,5 kDa ; 56,2 kDa ; 49,7 kDa dan 27,9 kDa.**

**There were reactivity between Avian influenza H5N1 field virus with antibody from H5N1 and H5N2 Avian influenza vaccine. Westem blotting test showed that there were same protein by using H5N1 and H5N2 vaccine were NA protein and HA protein.**

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