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PENGARUH PEMBERIAN SUSU KUDA FERMENTASI TERHADAP ANTIBODI IMUNOGLOBULIN A (IgA) MENCIT SETELAH VAKSINASI HEPATITIS A

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ABSTRACT

IgA-deficient in individuals have developed mucosal infections, atopy, autoimmune diseases and rheumatic. Under the circumstance, the development of an immunomodulator that stimulates immune system, especially IgA, is truly desired. The research is objected on finding out the effect of fermented horse milk treatment on IgA antibody in Hepatitis A immunized mice. IgA concentration in serum and lymphocytes was evaluated using indirect ELISA method. Fermented horse milk group was compared with water group to calculate the percentage of IgA concentration increase. Univariate analysis was used to analyze Optical Density (OD) product from ELISA. The result showed that fermented horse milk increased 46.20 % IgA concentration in serum and 95.47 % in spleen lymphocytes. Univariate analysis showed that fermented horse milk increased significantly IgA spleen lymphocytes but not IgA serum.

Keywords : immunomodulator, IgA, hepatitis A vaccine, ELISA