

HUBUNGAN KADAR HbsAg DENGAN KADAR ENZIM ALANIN AMINOTRANSFERASE (ALT) PADA PASIEN HEPATITIS B DI RSUD AMBARAWA

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ABSTRAK

Pemeriksaan fungsi hati meliputi pemeriksaan kadar HbsAg dan kadar Enzim Alanin aminotransferase (ALT). Sel-sel hati memiliki fungsi sebagai pusat metabolism berbagai zat seperti bilirubin, kolesterol maupun asam empedu, sel hati mampu mensekresi enzim, bilirubin dan faktor koagulasi. Apabila hati mengalami gangguan karena penyakit yang disebabkan oleh virus, perlemakan atau alkohol maka fungsi hati akan melemah baik fungsi metabolism, fungsi ekskresi maupun fungsi sintesis. Tujuan Penelitian untuk mengetahui adanya hubungan antara kadar HbsAg dengan kadar Enzim Alanin aminotransferase (ALT) pada pasien Hepatitis B di RSUD Ambarawa. Jenis penelitian adalah penelitian analitik dengan pendekatan *cross sectional*. Sampel diambil secara random sebanyak 30 pasien dari total populasi pasien Hepatitis B di RSUD Ambarawa. Setiap sampel dilakukan pemeriksaan kadar HbsAg dan kadar Enzim Alanin aminotransferase (ALT). Pengujian dalam penelitian ini menggunakan uji statistik korelasi *rank spearment*. Hasil dari penelitian ini menunjukkan nilai koefisien korelasi variabel kadar HbsAg dengan kadar enzim Alanin aminotransferase (ALT) sebesar 0,965 dengan signifikansi 0,000 sehingga dapat disimpulkan terdapat hubungan yang signifikan antara kadar HbsAg dengan enzim alanin aminotransferase (ALT).

Kata Kunci : kadar HbsAg,kadar Enzim Alanin aminotransferase (ALT),Hepatitis B

RELATIONSHIP BETWEEN HBsAg WITH ENZYME ENZYMAN ALANIN AMINOTRANSFERASE (ALT) ON PEPEN HEPATITIS B IN AMBARAWA RSUD

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ABSTRACT

The screening of liver function includes the examination of HBsAg levels and levels of Enzyme *Alanine Aminotransferase* (ALT). Liver cells have a function as a metabolic center of various substances such as bilirubin, cholesterol or bile acids, liver cells are able to secrete enzymes, bilirubin and coagulation factors. if the liver is affected by disease caused by virus, fatty or alcohol then liver function will weaken both metabolism function, excretion function and synthesis function. The aim of this research is to know the relationship between HbsAg level and *Alanine Aminotransferase* (ALT) Enzyme level in Hepatitis B patient in Ambarawa Public Hospital. The type of research is analytical research with Cross Sectional approach. Samples were taken from all of the total population of Hepatitis B patients in Ambarawa General Hospital. Each sample was examined HbsAg levels and *Alanine Aminotransferase* (ALT) Enzyme Level. Testing in this research using statistical test of rank spearmen correlation. The results of this study showed that the coefficient value of HbsAg variable with *Alanine Aminotransferase* (ALT) level of 0.965 with a significance of 0.000 so it can be concluded that there is a significant relationship between HbsAg level and *Alanine Aminotransferase* (ALT) Enzyme.

Keywords: HbsAg, *Alanine Aminotransferase* (ALT) Enzyme, Hepatitis B