

PENGARUH PEMBERIAN SIMETIDIN TERHADAP KADAR SGOT DAN SGPT TIKUS PUTIH (*Rattus norvegicus*) YANG DIBERI ANTI TUBERKULOSIS RIFAMPISIN DAN ISONIAZID

Title	PENGARUH PEMBERIAN SIMETIDIN TERHADAP KADAR SGOT DAN SGPT TIKUS PUTIH (<i>Rattus norvegicus</i>) YANG DIBERI ANTI TUBERKULOSIS RIFAMPISIN DAN ISONIAZID
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Abstract	<p>Tuberkulosis (TB) has long been known as an infection diseases, and has been reported to increased. The INH dan Rifampisin are two different drugs that are known to be the most active drugs, therefore both drugs are being used as never ending drugs in curing the TB. Utilization of both INH and rifampisin in a combination to cure the TB patients, however could increase the possibility of hepatic lesion risk. This research was aimed to firstly, knowing whether cimetidine could prevent increase of SGOT and SGPT levels of rats (<i>Rattus norvegicus</i>) given by both drugs INH and rifampisin, and secondly what was the minimum dose of cimetidine that able to prevent the increase of SGOT and SGPT levels. A Completely Random Design (CRD) was applied in this research, 24 male rats (<i>Rattus norvegicus</i>) of the wistar variety were divided into 4 different groups. The first group, was only given the INH and rifampisin orally at the doses of 50 mg/Kg body weight/day, the next groups groups II, III, and IV were also given those two drugs at the same dose, but the cimetidine was also given at 112,5, 225, and 450 mg/Kg body weight/day for the 28 days. Consequently the SGOT and SGPT levels were measured twice pre and post treatments. The data obtained were analysed by the paired t test, a one way ANOVA, Post Hoc Tukey's test, HSD, Kruskal-Wallis and Mann-Whitney test. This research result showed that the cimetidine that given following the INH and rifampisin could prevent the increase of SGOT and SGPT levels. The highest dose of 450 mg/Kg body weight/day that given orally showed highly significant different from other ($p < 0,00$) in preventing the SGOT and SGPT of treated animals</p>
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