

**PENGARUH ISONIAZID TERHADAP METABOLISME RIFAMPISIN  
PADA SUSPENSI HEPATOSIT TIKUS**  
**INFULENCE OF ISONIAZID ON THE METABOLISM OF RIFAMPICIN  
ON RAT HEPATOCYTES**

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**ABSTRACT**

*Research on the influence of isoniazid on rifampicin metabolism using rat hepatocytes suspension has been done. As the system metabolism, hepatocytes suspension was prepared by perfusion in the calcium binding media containing EDTA, citrate and glycine was used. In the experiment, combination of rifampicin and INH on various doses was incubated in those metabolism system at 30° C from 0 and up to 180 minutes duration. Then, analysis was done by thin layer chromatography and densitometric method for each incubation intervals. Result calculated on the base of variation of rifampicin AUC-value beginning from 0 up to 180 minutes showed that isoniazid with concentration 5 µg, 10 µg, 15 µg, and 20 µg did not influence the metabolism of rifampicin (10 µg/ml) as showed by no significant changes of AUC values of rifampicin for  $\alpha = 0,05$ .*

*Keywords : INH, rifampicin, metabolism, hepatocytes suspension.*