

SKRIPSI SARJANA FARMASI

**PROFIL ENZIM TRANSAMINASE DAN BILIRUBIN PADA
PASIEN TUBERKULOSIS PARU YANG MENGGUNAKAN
OBAT ANTI TUBERKULOSIS LINI PERTAMA DI RSUD
ARIFIN ACHMAD PROVINSI RIAU**



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ABSTRAK

PROFIL ENZIM TRANSAMINASE DAN BILIRUBIN PADA PASIEN TUBERKULOSIS PARU YANG MENGGUNAKAN OBAT ANTI TUBERKULOSIS LINI PERTAMA DI RSUD ARIFIN ACHMAD PROVINSI RIAU

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Indonesia merupakan negara ketiga dengan kasus tuberkulosis (TB) tertinggi di dunia dengan 393.323 kasus yang ternotifikasi dan 13.110 kematian akibat TB pada tahun 2020. OAT lini pertama oral yaitu rifampisin, isoniazid dan pirazinamid bersifat hepatotoksik. Penelitian ini bertujuan untuk melihat gambaran kadar enzim transaminase (SGOT dan SGPT) dan bilirubin (total, direk dan indirek) sebagai parameter fungsi hati pada pasien TB paru yang menggunakan OAT lini pertama di RSUD Arifin Achmad Provinsi Riau periode 2021. Penelitian ini merupakan penelitian deskriptif yang dilakukan secara retrospektif menggunakan data sekunder dari rekam medis pasien. Data dianalisis dan disajikan dalam bentuk tabel frekuensi dan presentase. Subjek penelitian yang memenuhi kriteria inklusi berjumlah 34 pasien. Hasil penelitian menunjukkan gambaran kadar SGOT diatas normal sebanyak 44,12% dan normal 55,88%, kadar SGPT diatas normal sebanyak 58,82% dan normal 41,18%, kadar bilirubin total diatas normal sebanyak 40,00% dan normal 60,00%, kadar bilirubin direk diatas normal sebanyak 50,0% dan normal 50,0%, kadar bilirubin indirek diatas normal sebanyak 10,00% dan normal 90,00%.

Kata kunci: tuberkulosis, Obat Anti Tuberkulosis (OAT), gangguan fungsi hati, SGOT, SGPT, bilirubin

ABSTRACT

PROFILE OF TRANSAMINASE ENZYMES AND BILIRUBIN IN PULMONARY TUBERCULOSIS PATIENT PRESCRIBED WITH FIRST LINE ANTI TUBERCULOSIS DRUGS AT ARIFIN ACHMAD GENERAL HOSPITAL RIAU PROVINCE

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Indonesia is the third country with the highest tuberculosis cases in the world with 393.323 notified cases and 13.110 deaths due to TB in 2020. First line oral anti tuberculosis drugs which rifampicin, isoniazid and pyrazinamide are hepatotoxic. This study aims to describe the levels of transaminase enzymes (SGOT and SGPT) and bilirubin (total, direct, indirect) as liver function parameters in pulmonary TB patients using first line oral anti tuberculosis drugs at RSUD Arifin Achmad Riau Province in the period 2021. This is a descriptive study conducted retrospectively using secondary data from patient medical records. The data were analyzed and presented in the form of frequency and percentage tables. The research subjects with the inclusion criteria were 34 patients. The results showed that SGOT levels above normal were 44.12% and normal 55.88%, SGPT levels above normal were 58.82% and normal 41.18%, total bilirubin levels above normal were 40,00% and normal 60,00%, direct bilirubin levels above normal were 50.0% and normal 50.0%, indirect bilirubin levels above normal were 10,00% and normal 90,00%.

Keywords: tuberculosis, Anti Tuberculosis Drugs (OAT), impaired liver function, SGOT, SGPT, bilirubin