

**POLITEKNIK KESEHATAN TANJUNG KARANG**  
**JURUSAN TEKNOLOGI LABORATORIUM MEDIS**  
**PRODI TEKNOLOGI LABORATORIUM MEDIS**  
**PROGRAM SARJANA TERAPAN**  
Skripsi, Juni 2023

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Perbandingan Jumlah dan Jenis Leukosit Pasien TB Paru Sebelum dan Sesudah Pengobatan OAT Fase Intensif di Kabupaten Lampung Tengah Tahun 2023

xv+37 Halaman, 9 tabel, 8 gambar, dan 8 lampiran

**ABSTRAK**

Tuberkulosis merupakan penyakit menular yang disebabkan oleh bakteri *M. tuberculosis*. Pemeriksaan jumlah leukosit dan jenis leukosit dapat memberikan gambaran tentang kejadian penyakit dan proses penyakit terutama penyakit infeksi tuberkulosis. Tujuan penelitian mengetahui perbandingan jumlah dan jenis leukosit sebelum dan sesudah pengobatan OAT fase intensif. Jenis penelitian analitik dengan rancangan *cross sectional* dan menggunakan uji T-dependent. Penelitian dilakukan RSUD Demang Sepulau Raya Lampung Tengah, RS Mitra Mulya Husada, Puskesmas Bandar Jaya, Klinik Rahayu pada bulan Januari-Mei 2023. Sampel pada penelitian ini sebanyak 32 pasien TB paru yang menjalani pengobatan fase intensif. Hasil penelitian didapatkan penderita TB dengan jenis kelamin laki-laki sebanyak 22 pasien (68,75%) dan perempuan 10 pasien (31,25%). Tidak terdapat penderita TB pada usia balita dan anak-anak, sedangkan pada remaja 12,5%, dewasa 46,875%, lansia 31,25%, manula 9,375%. Hasil analisa data didapatkan nilai *p-value* pada perbandingan jumlah leukosit sebelum dan sesudah pengobatan fase intensif sebesar 0.000 (*p-value* <0.05) yang menunjukkan adanya perbedaan bermakna. Nilai *p-value* pada basofil (*p-value* 1,000), neutrofil (*p-value* 0.076), limfosit (*p-value* 0.282), monosit (*p-value* 0.523) menunjukkan *p-value* >0.05 artinya tidak terdapat perbedaan yang bermakna, sedangkan pada eosinofil *p-value* (0.036) (*p-value* <0.05) yang menunjukkan terdapat perbedaan bermakna pada eosinofil sebelum dan sesudah pengobatan OAT fase intensif.

Kata kunci : Tuberkulosis, Jumlah dan Jenis leukosit, OAT  
Daftar bacaan : 36 (2003-2022)

TANJUNG KARANG HEALTH POLYTECHNIC  
MEDICAL LABORATORY TECHNOLOGY DEPARTMENT  
MEDICAL LABORATORY TECHNOLOGY STUDY PROGRAM  
APPLIED GRADUATE PROGRAM  
Thesis, June 2023

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Comparison of the Number and Type of Leukocytes in Pulmonary TB Patients Before and After Intensive Phase OAT Treatment in Central Lampung District in 2023

xv+37 Pages, 9 tables, 8 pictures, and 8 attachments

### **ABSTRACT**

Tuberculosis is an infectious disease caused by the bacterium *M. tuberculosis*. Examination of leukocyte counts and leukocyte types can provide an overview of disease occurrence and disease processes, especially tuberculosis infection. The purpose of the study was to compare the number and type of leukocytes before and after intensive phase OAT treatment. Analytic research with cross sectional design and using T-dependent test. The research was conducted at Demang Sepulau Raya Hospital, Central Lampung, Mitra Mulya Husada Hospital, Bandar Jaya Health Center, Rahayu Clinic in January-May 2023. The sample in this study were 32 pulmonary TB patients undergoing intensive phase treatment. The results showed that 22 patients with TB were male (68.75%) and 10 patients were female (31.25%). There were no TB patients at the age of toddlers and children, while in adolescents 12.5%, adults 46.875%, elderly 31.25%, seniors 9.375%. The results of data analysis obtained a p-value in comparing the number of leukocytes before and after intensive phase treatment of 0.000 (p-value <0.05) which indicates a significant difference. The p-value on basophils (p-value 1.000), neutrophils (p-value 0.076), lymphocytes (p-value 0.282), monocytes (p-value 0.523) showed a p-value >0.05 meaning there was no significant difference, while on eosinophils p-value (0.036) (p-value <0.05) which showed there was a significant difference in eosinophils before and after intensive phase OAT treatment.

Keywords : Tuberculosis, Leukocyte Count and Type, OAT