

**POLTEKKES KEMENKES TANJUNGPINANG
PROGRAM STUDI TEKNOLOGI LABORATORIUM MEDIS
PROGRAM SARJANA TERAPAN
Skripsi, Juni 2025**

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**KORELASI ANTARA INDEKS TROMBOSIT (MPV, PDW, PCT)
DENGAN JUMLAH CD4 PASIEN HIV DI RSUD BOB BAZAR
KALIANDA LAMPUNG SELATAN**

xvi + 40 halaman + 7 tabel + 2 gambar + 14 lampiran

ABSTRAK

HIV (Human Immunodeficiency Virus) menyerang sistem imun manusia, khususnya sel CD4 yang berperan dalam melawan infeksi, dan dapat berkembang menjadi AIDS. Penelitian ini bertujuan mengetahui korelasi antara indeks trombosit (MPV, PDW, PCT) dengan jumlah CD4 pada pasien HIV di RSUD Bob Bazar Kalianda Lampung Selatan. Penelitian kuantitatif dengan desain cross sectional melibatkan 40 pasien HIV yang diperiksa CD4. Data dikumpulkan menggunakan kuesioner dan dianalisis secara univariat dan bivariat. Mayoritas pasien adalah laki-laki (80%) berusia 25–34 tahun (42,5%), bekerja di sektor swasta (57,5%), dan telah menjalani terapi antiretroviral lebih dari 1 tahun (60%). Rata-rata nilai indeks trombosit adalah MPV $8,66 \pm 1,03$, PDW $11,68 \pm 2,89$, dan PCT $0,23 \pm 0,62$. Rerata jumlah CD4 adalah $413,88 \pm 244,25$. Hasil uji korelasi Spearman menunjukkan hubungan bermakna antara indeks trombosit (MPV, PDW, PCT) dengan jumlah CD4 pasien HIV. Temuan ini dapat menjadi dasar pemantauan kondisi imun pasien HIV melalui indeks trombosit.

Kata Kunci : CD4, HIV, Indeks trombosit, MPV, PCT, PDW

Daftar bacaan : 34 (2016-2024)

**TANJUNGKARANG MINISTRY OF POLYTECHNIC
MEDICAL LABORATORY TECHNOLOGY STUDY PROGRAM
APPLIED GRADUATE PROGRAM**

Thesis, June 2025

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"Correlation Between Platelet Indices (MPV, PDW, PCT) and CD4 Count in HIV Patients at RSUD Bob Bazar Kalianda, South Lampung"

xvi + 40 pages + 7 tables + 2 figures + 14 attachments

ABSTRACT

Human Immunodeficiency Virus (HIV) attacks the human immune system, particularly CD4 cells that play a crucial role in fighting infections, and can progress to Acquired Immunodeficiency Syndrome (AIDS). This study aims to determine the correlation between platelet indices (MPV, PDW, PCT) and CD4 counts in HIV patients at RSUD Bob Bazar Kalianda, South Lampung. A quantitative cross-sectional study was conducted involving 40 HIV patients who underwent CD4 testing. Data were collected using questionnaires and analyzed univariately and bivariately. Most patients were male (80%) aged 25–34 years (42.5%), working in the private sector (57.5%), and had received antiretroviral therapy for more than one year (60%). The average platelet indices were MPV 8.66 ± 1.03 , PDW 11.68 ± 2.89 , and PCT 0.23 ± 0.62 . The mean CD4 count was 413.88 ± 244.25 . Spearman correlation test showed a statistically significant relationship between platelet indices (MPV, PDW, PCT) and CD4 counts in HIV patients. These findings suggest that platelet indices could be used as markers to monitor immune status in HIV patients.

Keywords: CD4 count, HIV patients, Platelet indices (MPV, PCT, PDW),

References: 34 (2016–2024)