

DAFTAR PUSTAKA

- Abioye, A.I. *et al.* (2020) 'Anemia, Iron Status, and HIV: A Systematic Review of the Evidence', *Advances in Nutrition*, 11(5), pp. 1334–1363. Available at: <https://doi.org/10.1093/advances/nmaa037>.
- Alamsyah, A. *et al.* (2021) *Mengkaji HIV/AIDS Dari Teori Hingga Praktik, Adab*.
- Alcorn, K. (2021) *pengobatan HIV Lamivudin*, *aidsmap*. Available at: <https://www.aidsmap.com/about-hiv/arv-background-information/lamivudine>.
- Astuti, dhesi sri, Ratnasari, rohani dwi and Kurniati, N. (2023) *HIV/AIDS*.
- Badan Pusat Statistik (2024) *Kasus Penyakit Menurut Kabupaten/Kota dan Jenis Penyakit di Provinsi Lampung, 2023*, *Badan Pusat Statistik Provinsi Lampung*. Available at: <https://lampung.bps.go.id/id/statistics-table/3/YTA1Q1ptRmhUMEpXWTBsQmQyZzBjVzgwUzB4aVp6MDkjMw==/kasus-penyakit-menurut-kabupaten-kota-dan-jenis-penyakit-di-provinsi-lampung--2023.html?year=2023>.
- Berhane, Y., Haile, D. and Tolessa, T. (2020) 'Anemia in hiv/aids patients on antiretroviral treatment at ayder specialized hospital, Mekele, Ethiopia: A case-control study', *Journal of Blood Medicine*, 11, pp. 379–387. Available at: <https://doi.org/10.2147/JBM.S275467>.
- Boom, J. *et al.* (2007) 'Ferritin levels during structured treatment interruption of highly active antiretroviral therapy', *HIV Medicine*, 8(6), pp. 388–395. Available at: <https://doi.org/10.1111/j.1468-1293.2007.00481.x>.
- Buonacera, A. *et al.* (2022) 'Neutrophil to Lymphocyte Ratio: An Emerging Marker of the Relationships between the Immune System and Diseases', *International Journal of Molecular Sciences*, 23(7). Available at: <https://doi.org/10.3390/ijms23073636>.
- Campbell, J.H. *et al.* (2014) 'The importance of monocytes and macrophages in HIV pathogenesis , treatment , and cure', (June), pp. 2175–2187. Available at: <https://doi.org/10.1097/QAD.0000000000000408>.
- Choudhary, R.K. *et al.* (2019) 'Monocyte-to-lymphocyte ratio is associated with tuberculosis disease and declines with Anti-TB Treatment in HIV-infected children', *Journal of Acquired Immune Deficiency Syndromes*, 80(2), pp. 174–181. Available at: <https://doi.org/10.1097/QAI.0000000000001893>.
- Coyne, C.B., Zeh, H.J. and Lotze, M.T. (2012) 'PAMPs and DAMPs : signal 0s that spur autophagy and immunity', 249, pp. 158–175.
- Cresswell, F. *et al.* (2016) 'UK guideline for the use of HIV Post-Exposure Prophylaxis Following Sexual Exposure, 2015', *International Journal of STD and AIDS*, 27(9), pp. 713–738. Available at: <https://doi.org/10.1177/0956462416641813>.
- Curis, C. (2013) 'Iron supplementation in nutritional programs : pathophysiological basis and correlations with health in developing countries', *BioSciences Master Reviews*,

November, pp. 1–9.

- Dalela, G., Baig, N.. (2015) ‘Correlation between Total Leukocyte Count, Absolute lymphocyte count, Hemoglobin, Erythrocyte sedimentation rate and CD4 Count in HIV/AIDS Patients’, *Int.J.Curr.Microbiol.App.Sci*, 4(4(9):), pp. 366–371. Available at: [http://www.ijcmas.com/vol-4-9/Gaurav Dalela and Vaseem Naheed Baig.pdf](http://www.ijcmas.com/vol-4-9/Gaurav%20Dalela%20and%20Vaseem%20Naheed%20Baig.pdf).
- Destylya, D. *et al.* (2023) ‘Factors Associated with the Severity of Covid-19 at H. Adam Malik Hospital, Medan, Indonesia’, *Journal of Endocrinology, Tropical Medicine, and Infectious Disease (JETROMI)*, 5(4), pp. 198–207. Available at: <https://doi.org/10.32734/jetromi.v5i4.14389>.
- Devi, D.K., Triyono, E.A. and Rusli, M. (2018) ‘Management of Dyslipidemia Associated with Anti-Retroviral Therapy in HIV/AIDS Patients’, (Imrm 2017), pp. 461–468. Available at: <https://doi.org/10.5220/0007323104610468>.
- Dinkes Provinsi Lampung (2024) ‘Profil Kesehatan Tahun 2023’, (44), pp. 1–326.
- Frosch, A.E.P. *et al.* (2018) ‘Iron deficiency is prevalent among HIV-infected kenyan adults and is better measured by soluble transferrin receptor than ferritin’, *American Journal of Tropical Medicine and Hygiene*, 99(2), pp. 439–444. Available at: <https://doi.org/10.4269/ajtmh.18-0208>.
- Gigantesco, A. and Giuliani, and M. (2011) ‘Quality of life in mental health services with a focus on psychiatric rehabilitation practice’, *Ann Ist Super Sanità*, 47(4), pp. 363–372. Available at: <https://doi.org/10.4415/ANN>.
- van Ginderdeuren, E. *et al.* (2021) ‘Association between monocyte-to-lymphocyte ratio and tuberculin skin test positivity in HIV-positive adults’, *PLoS ONE*, 16(7 July), pp. 1–9. Available at: <https://doi.org/10.1371/journal.pone.0253907>.
- Gonçalves, J.L. *et al.* (2019) ‘Iron intake is positively associated with viral load in antiretroviral naïve brazilian men living with hiv’, *Memorias do Instituto Oswaldo Cruz*, 114(12), pp. 1–8. Available at: <https://doi.org/10.1590/0074-02760190350>.
- Hanggara, dian sukma (2018) *Pemeriksaan Laboratorium pada HIV/AIDS, Patologi Klinik*. Available at: <https://patologiklinik.com/2018/04/05/pemeriksaan-laboratorium-pada-hiv-aids/>.
- Hegde, C.V. *et al.* (2024) ‘Can ferritin be a surrogate marker for CD4 cells in human immunodeficiency virus patients? A cross-sectional study of association of serum ferritin levels with immunological staging of human immunodeficiency virus patients’, *Indian Journal of Sexually Transmitted Diseases and AIDS*, 45(1), pp. 31–33. Available at: https://doi.org/10.4103/ijstd.ijstd_32_23.
- Heo, S.J. and Jee, Y.S. (2023) ‘Characteristics of Age Classification into Five-Year Intervals to Explain Sarcopenia and Immune Cells in Older Adults’, *Medicina (Lithuania)*, 59(10). Available at: <https://doi.org/10.3390/medicina59101700>.
- Hidayati, afif nurul *et al.* (2019) *manajemen HIV/AIDS terkini, komprehensif, dan*

multidisiplin.

- Iqbal, S. *et al.* (2014) 'Monocyte Lymphocyte Ratio as a Possible Prognostic Marker in Antituberculous Therapy', *Journal of Rawalpindi Medical College (JRMCI)*, 18(2), pp. 178–181.
- Kabak, M., Çil, B. and Hocanlı, I. (2021) 'Relationship between leukocyte, neutrophil, lymphocyte, platelet counts, and neutrophil to lymphocyte ratio and polymerase chain reaction positivity', *International Immunopharmacology*, 93(October 2020), p. 107390. Available at: <https://doi.org/10.1016/j.intimp.2021.107390>.
- Kamurai, B. *et al.* (2024) 'Effect of dolutegravir on ferritin, iron, and C-reactive protein among people living with HIV and co-infections', *Southern African Journal of HIV Medicine*, 25(1), pp. 5–10. Available at: <https://doi.org/10.4102/sajhivmed.v25i1.1543>.
- Kell, D.B. and Pretorius, E. (2014) 'Serum ferritin is an important inflammatory disease marker, as it is mainly a leakage product from damaged cells', *Metallomics*, 6(4), pp. 748–773. Available at: <https://doi.org/10.1039/c3mt00347g>.
- Kemenkes RI (2022) 'Peraturan Menteri Kesehatan Republik Indonesia Nomor 23 Tahun 2022 Tentang Penanggulangan Human Immunodeficiency Virus, Acquired Immunodeficiency Syndrome, Dan Infeksi Menular Seksual', *Permenkes RI*, 69(555), pp. 1–53. Available at: <https://www.bing.com/search?pglt=41&q=Peraturan+Menteri+Kesehatan+Republik+Indonesia+Nomor+23+Tahun+2022+Tentang+Penanggulangan+Human+Immunodeficiency+Virus%2c+Acquired+Immuno-+Deficiency+Syndrome%2c+Dan+Infeksi+Menular+Seksual&cvid=74754ff9ec074257a166a6>.
- Kemenkes RI (2024) 'Laporan Penilaian Risiko Cepat MPOX MPOX di Indonesia'.
- Khemla, S. *et al.* (2023) 'Lipid profiles of people with human immunodeficiency virus with dyslipidemia after switching from efavirenz to dolutegravir', *Drug Target Insights*, 17(1), pp. 45–53. Available at: <https://doi.org/10.33393/dti.2023.2529>.
- Kirabo, A. (2023) 'HIV – Host Cell Interactions', *cells*, pp. 1–25.
- Knudsen, A.D. *et al.* (2022) 'Monocyte count and soluble markers of monocyte activation in people living with HIV and uninfected controls', *BMC Infectious Diseases*, 22(1), pp. 1–9. Available at: <https://doi.org/10.1186/s12879-022-07450-y>.
- Kok, Y.L. *et al.* (2021) 'HIV-1 integration sites in CD4+ T cells during primary, chronic, and late presentation of HIV-1 infection', *JCI Insight*, 6(9). Available at: <https://doi.org/10.1172/jci.insight.143940>.
- Kurniawati, herlin fitriana (2022) 'Pengetahuan dan kebutuhan informasi tentang HIV/AIDS pada masa pra konsepsi', *jurnal kebidanan indonesia*, 13(2), pp. 69–76.
- Lestari, I., Windartik, E. and Wijaya, G.G. (2016) 'Hubungan Lama Penggunaan Obat Arv Terhadap Kadar Hemoglobin Pada Penderita Hiv/Aids Di Poli Vct RSUD Prof. Dr.

- Soekandar Kabupaten Mojokerto', *Jurnal Keperawatan*, 5(2), pp. 73–76. Available at: <https://doi.org/10.47560/kep.v5i2.167>.
- Liao, Y. *et al.* (2025) 'Ferritin's role in infectious diseases: Exploring pathogenic mechanisms and clinical implications', *New Microbes and New Infections*, 65(March), p. 101582. Available at: <https://doi.org/10.1016/j.nmni.2025.101582>.
- Liu, W. *et al.* (2020) 'Depriving Iron Supply to the Virus Represents a Promising Adjuvant Therapeutic Against Viral Survival', *Current Clinical Microbiology Reports*, 7(2), pp. 13–19. Available at: <https://doi.org/10.1007/s40588-020-00140-w>.
- López-Calderón, C. *et al.* (2014) 'Serum ferritin in HIV-positive patients is related to immune deficiency and inflammatory activity', *International Journal of STD and AIDS*, 26(6), pp. 393–397. Available at: <https://doi.org/10.1177/0956462414539669>.
- Mayito, J. *et al.* (2020) 'Utility of the monocyte to lymphocyte ratio in diagnosing latent tuberculosis among HIVinfected individuals with a negative tuberculosis symptom screen', *PLoS ONE*, 15(11 November), pp. 1–10. Available at: <https://doi.org/10.1371/journal.pone.0241786>.
- Mayito, J. *et al.* (2023) 'Monocyte to Lymphocyte ratio is highly specific in diagnosing latent tuberculosis and declines significantly following tuberculosis preventive therapy: A cross-sectional and nested prospective observational study', *PLoS ONE*, 18(11 November), pp. 1–12. Available at: <https://doi.org/10.1371/journal.pone.0291834>.
- Moreira, A.C. and Mesquita, G. (2020) 'Ferritin : An Inflammatory Player Keeping Iron at the Core of Pathogen-Host Interactions', pp. 1–20.
- Naranbhai, V. *et al.* (2014) 'Ratio of monocytes to lymphocytes in peripheral blood identifies adults at risk of incident tuberculosis among HIV-infected adults initiating antiretroviral therapy', *Journal of Infectious Diseases*, 209(4), pp. 500–509. Available at: <https://doi.org/10.1093/infdis/jit494>.
- Obeagu, E.I. and Obeagu, G.U. (2024) 'Utilization of immunological ratios in HIV: Implications for monitoring and therapeutic strategies', *Medicine (United States)*, 103(9), p. E37354. Available at: <https://doi.org/10.1097/MD.00000000000037354>.
- Permenkes (2014) 'Peraturan Menteri Kesehatan Republik Indonesia Nomor Tentang Pedoman Antiretroviral'. Available at: <http://journal.um-surabaya.ac.id/index.php/qanunmedika/article/download/385/294>.
- Plays, M., Müller, S. and Rodriguez, R. (2021) 'Chemistry and biology of ferritin', *Metallomics*, 13(5). Available at: <https://doi.org/10.1093/mtomcs/mfab021>.
- Purnamawati, D. (2016) *Pendidikan Kesehatan HIV dan AIDS Bagi Tenaga Kesehatan, STIKes Kharisma Karawang*.
- Rini, T.Y. *et al.* (2020) 'Association of bacterial / viral infections', 07(03), pp. 1500–1509.
- Rotty, L.W.A. *et al.* (2023) 'Hubungan Neutrophil Lymphocyte Ratio, Platelet

Lymphocyte Ratio, dan Ferritin dengan Pemberian Remdesivir pada Pasien Covid-19 dengan Peningkatan Transaminase', *e-CliniC*, 11(3), pp. 322–329. Available at: <https://doi.org/10.35790/ecl.v11i3.46845>.

Saleh, S. *et al.* (2017) 'Insight into HIV-2 latency may disclose strategies for a cure for HIV-1 infection', *Journal of Virus Eradication*, 3(1), pp. 7–14. Available at: [https://doi.org/10.1016/s2055-6640\(20\)30300-9](https://doi.org/10.1016/s2055-6640(20)30300-9).

Seratus Institute (2016) *Tentang AIDS dan HIV*, *seratus institute*. Available at: <https://www.seratusinstitute.com/news/tentang-aids-dan-hiv>.

Sitepu, S. *et al.* (2024) 'Prevalensi Penyakit Hiv / Aids Dengan Tuberkulosis Di Rumah Sakit Royal Prima Medan Januari – Desember 2023', 8(11).

UNAIDS (2024) *Statistik HIV & AIDS Global*, *UNAIDS*. Available at: <https://www.unaids.org/en/resources/fact-sheet>.

Vishwanath, A., Quaiser, S. and Khan, R. (2016) 'Role of high-sensitivity C-reactive protein measurements in HIV patients', *Indian Journal of Sexually Transmitted Diseases*, 37(2), pp. 123–128. Available at: <https://doi.org/10.4103/0253-7184.192127>.

Widjaja, M.C.G. (2022) 'Rejimen KDT-ARV Terbaru dengan Dolutegravir', *Cermin Dunia Kedokteran*, 49(6), pp. 314–319. Available at: <https://doi.org/10.55175/cdk.v49i6.239>.

Wisaksana, R. *et al.* (2011) 'Anemia and iron homeostasis in a cohort of HIV-infected patients in Indonesia', *BMC Infectious Diseases*, 11, pp. 11–14. Available at: <https://doi.org/10.1186/1471-2334-11-213>.

World Health Organization (2019) *WHO merekomendasikan dolutegravir sebagai pilihan pengobatan HIV yang lebih baik pada semua populasi*, *world health organization*. Available at: <https://www.who.int/news/item/22-07-2019-who-recommends-dolutegravir-as-preferred-hiv-treatment-option-in-all-populations>.

World Health Organization (2023) *Penggunaan konsentrasi feritin untuk menilai status zat besi pada individu dan populasi*, *world health organization*. Available at: <https://www.who.int/tools/elena/interventions/ferritin-concentrations>.

World Health Organization (2024) *HIV dan AIDS*, *world health organization*. Available at: https://www.who.int/news-room/fact-sheets/detail/hiv-aids?gad_source=1&gclid=CjwKCAjwx4O4BhAnEiwA42SbVC5_wq3aqn_IxRrncqBi903KcbRnxL9xeh3G6ukvPZjb1mCipMLPDhoCDhUQAvD_BwE.

Yang, Lijuan *et al.* (2021) 'Monocyte-to-lymphocyte ratio is associated with 28-day mortality in patients with acute respiratory distress syndrome: a retrospective study', *Journal of Intensive Care*, 9(1), pp. 1–11. Available at: <https://doi.org/10.1186/s40560-021-00564-6>.

Yang, Y. *et al.* (2023) 'The prognostic value of monocyte-to-lymphocyte ratio in peritoneal dialysis patients', *European Journal of Medical Research*, 28(1), pp. 1–9. Available

at: <https://doi.org/10.1186/s40001-023-01073-y>.

Yuliyanasari, N. (2017) 'Global Burden Disease – Human Immunodeficiency Virus – Acquired Immune Deficiency Syndrome (Hiv-Aids)', *Qanun*, 01(October 2016), pp. 65–77. Available at: <http://journal.um-surabaya.ac.id/index.php/qanunmedika/article/download/385/294>.