

DAFTAR PUSTAKA

- Alsayed SR, and Gunosewoyo H. (2023). Tuberculosis: Pathogenesis, Current Treatment Regimens and New Drug Targets', International Journal of Molecular Sciences. 6:1-18.
- Bjerrum, S., Åhsberg, J., Szekely, R., Opintan, J., Lartey, M., Shah, M., Mitarai, S., Broger, T., Ruhwald, M. & Johansen, I.S., 2022. Diagnostic Accuracy of Urine Lipoarabinomannan Testing in Early Morning Urine versus Spot Urine for Diagnosis of Tuberculosis among People with HIV. *Microbiology Spectrum*, 10(2). doi:10.1128/spectrum.00208-22. University of Ghana
- Bjerrum S, Schiller I, Dendukuri N, Kohli M, Nathavitharana RR, Zwerling AA, et al, 2019. Lateral flow urine lipoarabinomannan assay for detecting active tuberculosis in people living with HIV. *Cochrane Database Syst Rev*;2019(10).
- Broger, T., Koepfel, L., Huerga, H., Miller, P., Gupta-Wright, A., Blanc, F-X., et al. (2023) 'Diagnostic yield of urine lipoarabinomannan and sputum tuberculosis tests in people living with HIV: a systematic review and meta-analysis of individual participant data', *The Lancet Global Health*, 11(6), pp. E903–E916. [https://doi.org/10.1016/S2214-109X\(23\)00135-3](https://doi.org/10.1016/S2214-109X(23)00135-3)
- Coleman M, Martinez L, Theron G, Wood R, Marais B, 2022. Mycobacterium tuberculosis Transmission in High-Incidence Settings—New Paradigms and Insights. *Pathogens*;11(11).
- Daniel D, Takele T, Abere K, Tariku C, Temesgen A, 2023. GeneXpert Has Perfect Test Agreement with WHO Recommended TB Lipoarabinomannan Antigen Test for the Diagnosis of TB Among Under Five Children from Urine Sample In Tuberculosis Endemic Setting of Ethiopia. In *BMC Pediatrics*.
- Drain PK. (2024). Real-world diagnostic accuracy of lipoarabinomannan in three non-sputum biospecimens for pulmonary tuberculosis disease, *eBioMedicine*. 108:105-53.
- Flores J, Cancino JC, Chavez-Galan L. (2021). Lipoarabinomannan as a Point-of-Care Assay for Diagnosis of Tuberculosis: How Far Are We to Use It?, *Frontiers in Microbiology*. 12:1-10.
- Gao, M., Wu, Q., Wang, X., Sun, X., Li, M. and Bai, G. (2024) 'Advancements in LAM-based diagnostic kit for tuberculosis detection: enhancing TB diagnosis in HIV-negative individuals', *Frontiers in Microbiology*, 15, 1367092. <https://doi.org/10.3389/fmicb.2024.1367092>
- Goletti D, Delogu G, Matteelli A, Migliori GB, 2022. International Journal of Infectious Diseases The role of IGRA in the diagnosis of tuberculosis infection, differentiating from active tuberculosis, and decision making for initiating treatment or preventive therapy of tuberculosis infection. *Int J Infect Dis*; 124:S 12–9.
- Hoesin M, 2019. Perbandingan uji diagnostik GeneXpert MTB / RIF untuk mendeteksi resistensi rifampicin Mycobacterium tuberculosis pada pasien Tb paru;6(1):23–8.

- Kementrian Kesehatan Republik Indonesia, 2020 Pedoman Nasional Pelayanan Kedokteran Tata laksana Tuberkulosis.
- Kementrian Kesehatan Republik Indonesia, 2022. Program Penanggulangan Tuberkulosis, Laporan Program Penanggulangan Tuberkulosis tahun 2022, p: 1-3
- Kementrian Kesehatan Republik Indonesia, 2023a. Petunjuk Teknis Pemeriksaan Tuberkulosis Menggunakan Tes Cepat Molekuler GeneXpert; 241.
- Kementrian Kesehatan Republik Indonesia, 2023b. Petunjuk Teknis Tata laksana Tuberkulosis Anak dan Remaja. Direktorat Jenderal Pencegahan dan Pengendalian Penyakit
- Kementrian Kesehatan Republik Indonesia (2023c) Petunjuk Teknis Kolaborasi TBC-HIV. Jakarta: Kementrian Kesehatan Republik Indonesia. Available at: <https://cdn.who.int/media/docs/default-source/searo/indonesia/non-who-publications/2023-guidelines-for-collaborative-tb-hiv>
- Kumari, P., Thakur, J.K., Kumar, P., Kumar, R. & Parekh, D., 2020. Comparison of LJ medium and BACTEC MGIT 960 culture system for the diagnosis of tuberculosis. *Journal of Clinical and Diagnostic Research*, 14(12), pp.DC09–DC13. doi:10.7860/JCDR/2020/46890.14304.
- Liu, D., Gu, L., Zhang, R., Liu, L., Shen, Y., Shao, Y., Wang, J., Sun, J., Qi, T., Wang, Z., Tang, Y., Song, W., Xin, J. and Chen, J. (2022) ‘Utility of urine lipoarabinomannan (LAM) in diagnosing mycobacteria infection among hospitalized HIV-positive patients’, *International Journal of Infectious Diseases*, 118, pp. 65–70. <https://doi.org/10.1016/j.ijid.2022.02.022>
- Lowary TL dan Achkar JM. (2022). Tailor made: New insights into lipoarabinomannan structure may improve TB diagnosis. *Journal of Biological Chemistry*. 298(3):10-16.
- Nicol MP, Zar HJ. Advances in the diagnosis of pulmonary tuberculosis in children. *Paediatr Respir Rev*. 2020 Nov;36:52-56.
- Perhimpunan Dokter Paru Indonesia, 2021 Tuberkulosis Pedoman Diagnosis dan Penatalaksanaan di Indonesia. Vol. 001, Perhimpunan Dokter Paru Indonesia. 1–78 p.
- Puspita S, Turbawaty DK, Tristina N, Lismayanti L, 2021. Positive Lateral Flow Urine Lipoarabinomannan Assay (LF-LAM) Result in Detection of Active Tuberculosis. *Maj Kedokt Bandung*;53(3):169–73.
- Putu L, Dewi K, Ganesha UP, 2019. Pemeriksaan Basil Tahan Asam untuk Membantu Menegakkan Diagnosis Penyakit Tuberkulosis; 1(1):16–20.
- Simienh A, Tadesse M, Kebede W, Gashaw M, *et al.* 2022. Combination of Xpert MTB/RIF and Determine™ TB-LAM Ag improves the diagnosis of extrapulmonary tuberculosis at Jimma University Medical Center, Oromia, Ethiopia.
- Suárez I, Fünßer SM, Rademacher J, Fätkenheuer G, Kröger S, Rybníček J, 2019. The Diagnosis and Treatment of Tuberculosis. *Dtsch Arztebl Int*;116(43):729–35.

- Szacawa, E., Radulski, Ł., Weiner, M., Szulowski, K. & Krajewska-Wędzina, M. (2025) Mycobacterium tuberculosis Complex Infections in Animals: A Comprehensive Review of Species Distribution and Laboratory Diagnostic Methods, Pathogens, 14(10), p. 1004. Available at: <https://www.mdpi.com/2076-0817/14/10/1004>
- Tobias B, Mark PN, George B, Sigal, Eduardo G, Alexandra J., *et al* 2020. Diagnostic accuracy of 3 urine lipoarabinomannan tuberculosis assays in HIV-negative outpatients. In The Journal of Clinical Investigation.
- Torrelles J.B and Chatterjee D. Collected Thoughts on Mycobacterial Lipoarabinomannan, a Cell Envelope Lipoglycan
- World Health Organization, 2019a. Practical implementation of lateral flow urine lipoarabinomannan assay (LF-LAM) for detection of active tuberculosis in people living with HIV. Who. 2019;44.
- World Health Organization, 2019b WHO Policy Update Lateral flow urine LAM for the diagnosis of active TB in people living with HIV.
- World Health Organization. Global Tuberculosis Report 2021: Supplementary Material. Global tuberculosis report 2021: supplementary material. 2021.153 p
- World Health Organization (WHO), 2023. Global Tuberculosis Report, p: 1-5
- Yayan, J. and Rasche, K. (2025) ‘Tuberculosis in older adults (≥ 65 years): Global trends, sex differences, and regional variations, 2000–2023’, BMC Geriatrics, 25, Article number: 41. Available at: <https://doi.org/10.1186/s12877-025-06934-1>
- Zang, Yingxuan, Chen, Shihao MBBS, Wei, Hongxia *et al.*, 2023. Breakthrough of chemiluminescence-based LAM urine test beyond HIV-positive individuals: Clinical diagnostic value of pulmonary tuberculosis in the general population.