

DAFTAR PUSTAKA

- Abas, S., Adinda, P. and Ahmad, I. (2023) "PETUNJUK TEKNIS Pemeriksaan Tuberkulosis Menggunakan Tes Cepat Molekuler GeneXpert."
- Adiyaksa, J., Rukmana, A. and Indonesia, U. (2024) "Latent Tuberculosis: Interaction of Mycobacterium tuberculosis with Macrophages," 25(01), pp. 69–80.
- Alsayed, S.S.R. and Gunosewoyo, H. (2023) "Tuberculosis : Pathogenesis , Current Treatment Regimens and New Drug Targets."
- Andrade, L.S. *et al.* (2022) "Molecular diagnosis of pulmonary tuberculosis using different respiratory specimens : The spotlight of induced sputum," *Pulmonology*, 28(2), pp. 134–136. Available at: <https://doi.org/10.1016/j.pulmoe.2021.11.003>.
- Byrne, R.L. *et al.* (2024) "Finding the missed millions : innovations to bring tuberculosis diagnosis closer to key populations," *BMC Global and Public Health* [Preprint]. Available at: <https://doi.org/10.1186/s44263-024-00063-4>.
- Dorman, S.E. *et al.* (2018) "Xpert MTB/RIF Ultra for detection of Mycobacterium tuberculosis and rifampicin resistance: a prospective multicentre diagnostic accuracy study," *The Lancet Infectious Diseases*, 18(1), pp. 76–84. Available at: [https://doi.org/10.1016/S1473-3099\(17\)30691-6](https://doi.org/10.1016/S1473-3099(17)30691-6).
- dr. Ahmad Fikri Syadzali, S.. (2024) *DETEKSI DINI DAN PENCEGAHAN TBC*, *humas.rsugm*. Available at: <https://rsa.ugm.ac.id/deteksi-dini-dan-pencegahan-tbc/> (Accessed: March 6, 2026).
- Handayani, N.A.C. (2020) *Tuberkulosis (TB)*, *tribun news*. Available at: <https://www.tribunnewswiki.com/2020/01/30/tuberkulosis-tb> (Accessed: March 6, 2026).
- Hueda-zavaleta, M. *et al.* (2024) "Diagnostic accuracy of Xpert MTB / RIF and Xpert ultra tests in pulmonary " wenstein-Jensen culture and extrapulmonary tuberculosis compared to L o," 29(April), pp. 4–8. Available at: <https://doi.org/10.1016/j.cegh.2024.101730>.
- Jellusova, J. (2020) "The role of metabolic checkpoint regulators in B cell survival and transformation," 295(November 2019), pp. 39–53. Available at: <https://doi.org/10.1111/imr.12855>.
- Lee, J.H. *et al.* (2022) "Impact of molecular diagnostic tests on diagnostic and treatment delays in tuberculosis : a systematic review and meta - analysis," *BMC*

Infectious Diseases, pp. 1–23. Available at: <https://doi.org/10.1186/s12879-022-07855-9>.

Li, K. *et al.* (2023) “Effects of sputum bacillary load and age on GeneXpert and traditional methods in pulmonary tuberculosis: a 4 - year retrospective comparative study,” *BMC Infectious Diseases*, pp. 1–12. Available at: <https://doi.org/10.1186/s12879-023-08832-6>.

Lyu, J. *et al.* (2024) “Understanding the development of tuberculous granulomas : insights into host protection and pathogenesis , a review in humans and animals,” (December). Available at: <https://doi.org/10.3389/fimmu.2024.1427559>.

Mancuso, G. (2023) *Tackling Drug-Resistant Tuberculosis: New Challenges from the Old Pathogen Mycobacterium tuberculosis*, MDPI. Available at: https://www.researchgate.net/figure/Schematic-representation-of-tuberculosis-pathogenesis-Infection-with-Mycobacterium_fig2_373851737 (Accessed: March 6, 2026).

Nasicha, A., Mertaniasih, N.M. and Koendhori, E.B. (2025) “Xpert ® MTB / RIF Ultra Accuracy in Pulmonary TB Diagnosis: Comparative Analysis with Mycobacterial Growth Indicator Tube 960 System,” 19(March), pp. 1134–1144. Available at: <https://doi.org/10.22207/JPAM.19.2.16>.

Parwati, I. *et al.* (2024) “Evaluation of a real-time PCR assay performance to detect Mycobacterium tuberculosis, rifampicin, and isoniazid resistance in sputum specimens: a multicenter study in two major cities of Indonesia,” *Frontiers in Microbiology*, 15(May), pp. 1–8. Available at: <https://doi.org/10.3389/fmicb.2024.1372647>.

Rafika, R., Chaerunnisa, C. and Nurdin, N. (2022) “DETEKSI Mycobacterium Tuberculosis DENGAN VARIASI VOLUME SPUTUM PENDERITA TB MENGGUNAKAN METODE TES CEPAT MOLEKULER,” *Jurnal Medika*, 7(1), pp. 16–21. Available at: <https://doi.org/10.53861/jmed.v7i1.285>.

Rimal, R. *et al.* (2022) “Diagnostic performance of GeneXpert MTB / RIF in detecting MTB in smear - negative presumptive TB patients,” *BMC Infectious Diseases*, pp. 1–7. Available at: <https://doi.org/10.1186/s12879-022-07287-5>.

Santos, A.P. *et al.* (2024) “Clinical impact of Xpert® MTB/RIF Ultra for pulmonary TB diagnosis under routine conditions in a reference center in Brazil,” *Pulmonology*, 30(1), pp. 75–77. Available at: <https://doi.org/10.1016/j.pulmoe.2023.05.007>.

Santos, V.S. *et al.* (2023) “International Journal of Infectious Diseases Pooling of

sputum samples to increase tuberculosis diagnostic capacity in Brazil during the COVID-19 pandemic,” *International Journal of Infectious Diseases*, 129, pp. 10–14. Available at: <https://doi.org/10.1016/j.ijid.2023.01.009>.

Slail, M.J. *et al.* (2023) “Evaluation of Xpert MTB/RIF Ultra for the Diagnosis of Extrapulmonary Tuberculosis: A Retrospective Analysis in Saudi Arabia,” *Journal of Epidemiology and Global Health*, 13(4), pp. 782–793. Available at: <https://doi.org/10.1007/s44197-023-00150-z>.

Spoladori, A. *et al.* (2024) “Future Approaches,” pp. 1–24.

Sudarto, Hafy, Z. and Saleh, I. (2025) “Indonesian Journal of Global Health Research,” 7(3), pp. 1089–1100.

Suryana, K., Suharsono, H. and Gnurah rai, I.B. (2020) “the Diagnostic Value of Conventional Tuberculosis Diagnostic Procedure Compared With Gene X-Pert Mtb/Rif: a Cross-Sectional Study,” *Asian Journal of Pharmaceutical and Clinical Research*, 13(8), pp. 138–141. Available at: <https://doi.org/10.22159/ajpcr.2020.v13i8.37981>.

Tansarli *et al.* (2020) “Diagnostic test accuracy of the BioFire ® FilmArray ® meningitis / encephalitis panel : a systematic review and meta-analysis,” *Clinical Microbiology and Infection*, 26(3), pp. 281–290. Available at: <https://doi.org/10.1016/j.cmi.2019.11.016>.

Uddin, M.K.M. *et al.* (2023) “Diagnostic Performance of Different Laboratory Methods for the Detection of Extrapulmonary Tuberculosis,” *Microorganisms*, 11(4), pp. 1–11. Available at: <https://doi.org/10.3390/microorganisms11041066>.

Wei, J.H. *et al.* (2024) “Analysis of unsuccessful tests and the effect of prolonged clinical sample preprocessing in the GeneXpert MTB/RIF assay,” *BMC Infectious Diseases*, 24(1). Available at: <https://doi.org/10.1186/s12879-024-09684-4>.

WHO (2021a) *Rapid diagnostics for tuberculosis detection*.

WHO (2021b) *Use of Xpert MTB/RIF and Xpert MTB/RIF Ultra on GeneXpert 10-colour instruments*.

WHO (2023) *GLOBAL TUBERCULOSIS REPORT*.

WHO (2024) *Global Tuberculosis Report*.

WHO (2025) *WHO Consolidated Guidelines on Tuberculosis Module 3 : Diagnosis, WHO Press*.

Xie, Y.L. *et al.* (2024) “Xpert MTB/RIF Ultra versus mycobacterial growth indicator tube liquid culture for detection of Mycobacterium tuberculosis in

symptomatic adults: a diagnostic accuracy study,” *The Lancet Microbe*, 5(6), pp. e520–e528. Available at: [https://doi.org/10.1016/S2666-5247\(24\)00001-6](https://doi.org/10.1016/S2666-5247(24)00001-6).

Zeng, J. *et al.* (2024) “Pooling sputum samples for the Xpert MTB/RIF assay: a practical screening strategy for highly infectious tuberculosis cases,” *BMC Infectious Diseases*, 24(1), pp. 4–9. Available at: <https://doi.org/10.1186/s12879-024-09020-w>.