

DAFTAR PUSTAKA

1. Xi Y, Zhang W, Qiao RJ, Tang J. Risk Factors For Multidrug-Resistant Tuberculosis: A Worldwide Systematic Review and Meta-Analysis. *PLOS ONE* 2022;17(6).
2. World Health Organization. Global Tuberculosis Report 2023 [Internet]. Geneva: World Health Organization; 2023 [cited 2024 Jan 10]. Available from: <https://tbindonesia.or.id/wp-content/uploads/2023/11/Global-TB-Report-2023-2.pdf>
3. Centers for Disease Control and Prevention. Exposure to TB Fact Sheet [TB] [Internet]. Atlanta; CDC. 2023 [cited 2024 Jan 10]; Available from: https://www.cdc.gov/tb/publications/factseries/exposure_eng.html
4. Restinia M, Khairani S, Manninda R. Faktor Resiko Penyebab Multidrug Resistant Tuberkulosis: Sistematis Review. *Pharmaceutical and Biomed Sciences Journal (PBSJ)*. 2021;3(1):9–16.
5. Kementerian Kesehatan RI. Pedoman Nasional Pelayanan Kedokteran Tata Laksana Tuberkulosis. Jakarta; Kementerian Kesehatan RI. 2020.
6. Otu AA. Is the directly observed therapy short course (DOTS) an effective strategy for tuberculosis control in a developing country?. *Asian Pacific Journal of Tropical Disease*. 2013;3(3):227–31.
7. Centers for Disease Control and Prevention. In-Person vs Electronic Directly Observed Therapy for Tuberculosis Treatment Adherence [Internet]. CDC. 2022.
8. Liebenberg D, Gordhan BG, Kana BD. Drug Resistant Tuberculosis: Implications For Transmission, Diagnosis, and Disease Management. *Frontiers in Cellular and Infection Microbiology Journal*. 2022;12.
9. Kementerian Kesehatan RI. Permenkes RI Nomor 67 Tahun 2016 Tentang Penanggulangan Tuberkulosis. Jakarta; Kementerian Kesehatan RI. 2016.
10. Seung KJ, Keshavjee S, Rich ML. Multidrug-Resistant Tuberculosis and Extensively Drug-Resistant Tuberculosis. *Cold Spring Harbor Perspectives in Medicine*. 2015;5(9):a017863.
11. Li D, Ge E, Shen X, Wei X. Risk Factors of Treatment Outcomes for Multi-drug Resistant Tuberculosis in Shanghai, 2009-2012. *Procedia Environment Science* 2016;36:12–9.
12. Menzies NA, Allwood BW, Dean AS, Dodd PJ, Houben RMGJ, James LP, et al. Global burden of Disease Due To Rifampicin-Resistant Tuberculosis: A Mathematical Modeling Analysis. *Nature Communication*. 2023;14(1):6182.

13. WHO. Drug-resistant TB [Internet]. Geneva: World Health Organization; 2022. [cited 2024 Feb 2]; Available from: <https://www.who.int/teams/global-tuberculosis-programme/tb-reports/global-tuberculosis-report-2022/tb-disease-burden/2-3-drug-resistant-tb>
14. World Health Organization. Global Tuberculosis Report 2022 [Internet]. Geneva: World Health Organization; 2022 [cited 2024 Jan 10]. Available from: <https://iris.who.int/bitstream/handle/10665/363752/9789240061729-eng.pdf?sequence=1>
15. World Health Organization. Global Tuberculosis Report 2021 [Internet]. Geneva: World Health Organization; 2021 [cited 2024 Jan 18]. Available from: <https://www.who.int/publications-detail-redirect/9789240037021>
16. World Health Organization. Global Tuberculosis Report 2019 [Internet]. Geneva: World Health Organization; 2019 [cited 2024 Jan 10]; Available from: <https://www.who.int/publications-detail-redirect/9789241565714>
17. World Health Organization. Global Tuberculosis Report 2020 [Internet]. Geneva: World Health Organization; 2020 [cited 2024 Jan 10]. Available from: <https://iris.who.int/bitstream/handle/10665/336069/9789240013131-eng.pdf?sequence=1>
18. WHO. Tuberculosis: Multidrug-resistant Tuberculosis (MDR-TB) [Internet]. Geneva; World Health Organization. 2018 [cited 2024 Feb 28]; Available from: [https://www.who.int/news-room/questions-and-answers/item/tuberculosis-multidrug-resistant-tuberculosis-\(mdr-tb\)](https://www.who.int/news-room/questions-and-answers/item/tuberculosis-multidrug-resistant-tuberculosis-(mdr-tb)).
19. Kementerian Kesehatan RI. Laporan Program Penanggulangan Tuberkulosis 2022 [Internet]. Jakarta: Kementerian Kesehatan RI. 2023 [cited 2024 Jan 10]. Available from: <https://tbindonesia.or.id/wp-content/uploads/2023/09/Laporan-Tahunan-Program-TBC-2022.pdf>.
20. Bidang P2P Dinkes Provinsi Sumatera Barat. Laporan TB-MDR di Provinsi Sumatera Barat Tahun 2018-2023. Padang; Dinkes Sumatera Barat. 2018.
21. Iskandar T, Setyawan FEB, Handaja D, Husein NH. Pengaruh Faktor Lingkungan terhadap Kejadian Multidrug-Resistant (MDR) di Kabupaten Jember. *CoMPHI J Community Medicine and Public Health of Indonesia Journal*. 2022;3(2):46–52.
22. Andini NLE, Oktora SI. Determinants of Multidrug-Resistant Pulmonary Tuberculosis in Indonesia: A Spatial Analysis Perspective. *Jurnal Varian* 2022;6(1):35–48.
23. Pratama W, Wulandari SP. Pemetaan dan Pemodelan Jumlah Kasus Penyakit Tuberculosis (TBC) di Provinsi Jawa Barat dengan Pendekatan Geographically Weighted Negative Binomial Regression (GWNBR). *Jurnal Sains dan Seni ITS* 2015;4(1):D37–42.
24. Zainuddin AA, Soma AS, Kasim MF, Ramadany S, Djaharuddin I. Spatial Distribution of Drug-Resistant Tuberculosis in Makassar City, South Sulawesi Province, Indonesia. *Jurnal Kesehatan Masyarakat*. 2022;18(2):296–302.

25. Zulaikha E. Pemetaan dan analisis faktor-faktor yang mempengaruhi tuberkulosis menggunakan geographically weighted regressionregress. [skripsi]. Yogyakarta : Universitas Islam Indonesia; 2018.
26. Chakaya JM, Harries AD, Marks GB. Ending tuberculosis by 2030—Pipe dream or reality?. *International Journal of Infectious Disease*. 2020;92:S51–4.
27. Wang MG, Huang WW, Wang Y, Zhang YX, Zhang MM, Wu SQ, et al. Association Between Tobacco Smoking and Drug-Resistant Tuberculosis. *Infection and Drug Resistant* 2018;11:873–87.
28. Hapsari BAP, Wulaningrum PA, Rimbun R. Association between Smoking Habit and Pulmonary Tuberculosis at Dr. Soetomo General Academic Hospital. *Biomolecular and Health Science Journal* 2021;4(2):90–4.
29. Centers for Disease Control and Prevention. BCG Vaccine Fact Sheet [Internet]. CDC; 2022 [cited 2024 Mar 1];Available from: <https://www.cdc.gov/tb/publications/factsheets/prevention/bcg.htm>
30. Wulanda AF, Delilah S. Efektivitas Imunisasi BCG terhadap Kejadian Tuberkulosis Anak di Kabupaten Bangka. *Jurnal Kesehatan; Poltekkes Kemenkes RI Pangkalpinang*. 2021;9(1):37–41.
31. Kousha A, Farajnia S, Ansarin K, Khalili M, Shariat M, Sahebi L. Does the BCG vaccine have different effects on strains of tuberculosis? *Clinical and Experimental Immunology*. 2021;203(2):281–5.
32. Alene KA, Xu Z, Bai L, Yi H, Tan Y, Gray D, et al. Spatial clustering of drug-resistant tuberculosis in Hunan province, China: an ecological study. *BMJ Open* 2021;11(4):e043685.
33. Liu Y, Jiang S, Liu Y, Wang R, Li X, Yuan Z, et al. Spatial epidemiology and spatial ecology study of worldwide drug-resistant tuberculosis. *International Journal of Health Geographics* 2011;10:50.
34. European Centre For Disease Prevention And Control. Rapid Risk Assessment: Healthcare system factors influencing treatment results of MDR TB patients. [Internet]. Stockholm; ECDC. 2014.
35. BPS Provinsi Sumatera Barat. Provinsi Sumatera Barat Dalam Angka 2019. Padang; BPS Provinsi Sumatera Barat. 2019.
36. BPS Provinsi Sumatera Barat. Provinsi Sumatera Barat Dalam Angka 2024. Padang; BPS Provinsi Sumatera Barat; 2024.
37. Direktorat Pencegahan dan Pengendalian Penyakit Menular. Laporan Kinerja Direktorat P2M Tahun 2023 [Internet]. Jakarta; Kemenkes. 2024.
38. Dinas Kesehatan Provinsi Sumatera Barat. Profil Kesehatan Provinsi Sumatera Barat Tahun 2023. Padang; Dinas Kesehatan Provinsi Sumatera Barat. 2023.

39. Toaha A. Konsep Dasar Timbulnya Penyakit. In: *Epidemiologi*. Padang ; PT Global Eksekutif Teknologi. 2022. page 37–43.
40. Direktorat Jenderal Pencegahan dan Pengendalian Penyakit. Petunjuk Teknis Penatalaksanaan Tuberkulosis Resisten Obat di Indonesia [Internet]. Jakarta: Kementerian Kesehatan RI; 2020 [cited 2024 Jan 20].
41. World Health Organization. Determinants of health [Internet]. Geneva; WHO. 2017; Available from: <https://www.who.int/news-room/questions-and-answers/item/determinants-of-health>
42. Durch Jane S, Bailey Linda A, Stoto Michael A. Improving Health in the Community: A Role for Performance Monitoring [Internet]. Washington, D.C.: National Academies Press; 1997 [cited 2024 Mar 31]. Available from: <http://www.nap.edu/catalog/5298>
43. Blas E, Sommerfeld J, Sivasankara Kurup A, World Health Organization. Social determinants approaches to public health: from concept to practice [Internet]. Geneva: World Health Organization; 2011 [cited 2024 Mar 31]. Available from: <https://iris.who.int/handle/10665/44492>
44. Kementerian Kesehatan RI. Derajat Kesehatan 40% Dipengaruhi Lingkungan [Internet]. Jakarta; Kemenkes RI. 2019. [cited 2024 Mar 14].
45. Rizvi SMS, Tarafder S, Kamal SMM, Anwar S, Johora FT, Hossain S. Socio-Demographic Characteristics and Risk Factors Contributing Pulmonary Tuberculosis Infection and Recent Transmission. *Journal of Tuberculosis Research* 2019;7(4):228–37.
46. Alene KA, Viney K, McBryde ES, Clements ACA. Spatial Patterns of Multidrug Resistant Tuberculosis and Relationships To Socio-Economic, Demographic and Household Factors in Northwest Ethiopia. *PLOS ONE* 2017;12(2).
47. Wang Z, Hou Y, Guo T, Jiang T, Xu L, Hu H, et al. Epidemiological characteristics and risk factors of multidrug-resistant tuberculosis in Luoyang, China. *Front Public Health*. 2023;11.
48. Kementerian Kesehatan RI. Kementerian Kesehatan RI Bertransformasi [Internet]. Jakarta; Kementerian Kesehatan RI. 2022.
49. Rajendran M, Zaki RA, Aghamohammadi N. Contributing risk factors towards the prevalence of multidrug-resistant tuberculosis in Malaysia: A systematic review. *Tuberculosis*. 2020;122.
50. Workicho A, Kassahun W, Alemseged F. Risk factors for multidrug-resistant tuberculosis among tuberculosis patients: a case-control study. *Infection Drug Resistant*. 2017;10:91–6.

51. Jenkins HE, Plesca V, Ciobanu A, Ciobanu A, Crudu V, Galusca I, et al. Assessing spatial heterogeneity of multidrug-resistant tuberculosis in a high-burden country. *European Respiration Journals* [Internet] 2013; Available from: <https://erj.ersjournals.com/content/42/5/1291.short>
52. Cheng Q, Xie L, Wang L, Lu M, Li Q, Wu Y, et al. Incidence Density and Predictors of Multidrug-Resistant Tuberculosis Among Individuals With Previous Tuberculosis History: A 15-Year Retrospective Cohort Study. *Front Public Health* 2021;9.
53. Smith T, Wolff KA, Nguyen L. Molecular Biology of Drug Resistance in *Mycobacterium tuberculosis*. *Curr Top Microbiol Immunol*. 2013;374:53–80.
54. Najafizada M, Rahman A, Taufique Q, Sarkar A. Social determinants of multidrug-resistant tuberculosis: A scoping review and research gaps. *Indian Journal of Tuberculosis* 2021;68(1):99–105.
55. Lima IB, Nogueira LMV, Guimarães RJDPSE, Rodrigues ILA, André SR, Abreu PDD, et al. Spatial patterns of multidrug-resistant tuberculosis: correlation with sociodemographic variables and type of notification. *Revista Brasileira de Enfermeagem* 2020;73(5).
56. Desissa F, Workineh T, Beyene T. Risk factors for the occurrence of multidrug-resistant tuberculosis among patients undergoing multidrug-resistant tuberculosis treatment in East Shoa, Ethiopia. *BMC Public Health*. 2018;18:422.
57. Tudor C, Van der Walt ML, Margot B, Dorman SE, Pan WK, Yenokyan G, et al. Occupational Risk Factors for Tuberculosis Among Healthcare Workers in KwaZulu-Natal, South Africa. *Clinical Infectious Disease*. 2016;62 (3):S255–61.
58. Sarwani DSR, Nurlaela S, Zohratul IA. Faktor Resiko Multidrug Resistant Tuberculosis (MDR-TB). *Jurnal Kesehatan Masyarakat*. 2012.
59. Mulyanto H. Relationship Five Behavioral Indicators and Healthy Living with Tuberculosis Multidrug-Resistant. *Jurnal Berkala Epidemiologi* 2014;2(3):355.
60. Perpres. Peraturan Presiden Republik Indonesia Nomor 67 Tahun 2021 Tentang Penanggulangan Tuberkulosis [Internet]. Jakarta; Pemerintah Pusat RI. 2021.
61. Liu YX, Pang CK, Liu Y, Sun XB, Li XX, Jiang SW, et al. Association between Multidrug-Resistant Tuberculosis and Risk Factors in China: Applying Partial Least Squares Path Modeling. *PLoS ONE* 2015;10(5).
62. Okafor CN, Rewane A, Momodu II. *Bacillus Calmette Guerin* [Internet]. In: StatPearls. Treasure Island (FL): StatPearls Publishing; 2024 [cited 2024 Mar 16]. Available from: <http://www.ncbi.nlm.nih.gov/books/NBK538185/>
63. Munnangi S, Boktor SW. *Epidemiology Of Study Design* [Internet]. In: StatPearls. Treasure Island (FL): StatPearls Publishing; 2024 [cited 2024 Feb 1].
64. Aggarwal R, Ranganathan P. Study designs: Part 2 – Descriptive studies. *Perspective in Clinical Research* 2019;10(1):34–6.

65. Spies R, Hong H, Trieu P, Lan L, Lan K, Hue NN, et al. Spatial Analysis of Drug-Susceptible and Multidrug-Resistant Cases of Tuberculosis, Ho Chi Minh City, Vietnam, 2020–2023. *Emerging Infectious Disease* 2024;30:499–509.
66. Adnyana IMDM. Studi Ekologi [Internet]. In: *Metode Penelitian Epidemiologi*. Bandung: Media Sains Indonesia; 2023 [cited 2024 Feb 2]. Available from: https://www.researchgate.net/publication/376521326_Studi_Ekologi
67. BPS Provinsi Sumatera Barat. Nama Ibukota Kabupaten/Kota di Provinsi Sumatera Barat [Internet]. Padang ; BPS Sumatera Barat. 2023; Available from: <https://sumbar.bps.go.id/statictable/2023/05/31/472/nama-ibukota-kabupaten-kota-di-provinsi-sumatera-barat.html>
68. BPS Provinsi Sumatera Barat. Konsep Kemiskinan dan ketimpangan [Internet]. [cited 2024 Feb 28]. Sumatera Barat; BPS. 2021.
69. Yuliara IM. Modul Regresi Linear Berganda [Internet]. Denpasar; Univeristas Udayana. 2016. Available from: https://simdos.unud.ac.id/uploads/file_pendidikan_1_dir/5f0221d2b0bb7ced1d61798fab7f4ad3.pdf
70. Wang Z, Guo T, Jiang T, Zhao Z, Zu X, Li L, et al. Regional Distribution of Mycobacterium Tuberculosis Infection and Resistance to Rifampicin and Isoniazid As Determined By High-Resolution Melt Analysis. *BMC Infection Disease* 2022;22(1):812.
71. Li M, Lu L, Guo M, Jiang Q, Xia L, Jiang Y, et al. Discrepancy in the Transmissibility Of Multidrug-Resistant Mycobacterium Tuberculosis In Urban and Rural Areas In China. *Emerging Microbes and Infections*. 2023.
72. Castejon VS, Melo MS de, Mendes T da S, Oliveira MGB de. Impacto Da Pobreza Sobre A Tuberculose Drogarresistente: Uma Revisão. *Research Society and Development* 2022;11(7).
73. Agusputri LND, Hendrati LY. Correlation Between Population Density, Cure Rate, Mortality Rate With Tb AFB+ Incidence In Surabaya 2018-2020. *Jurnal Berkala Epidemiologi* 2023;11(2):180–8.
74. Marais BJ, Hesselting AC, Cotton MF. Poverty and tuberculosis: is it truly a simple inverse linear correlation?. *European Respiratory Journal* 2009;33(4):943–4.
75. Irawan B, Sumardiyono S, Murti B. Meta-Analysis: Smoking and Proverty as Risk Factors of Tuberculosis Multidrug Resistance. *Journal of Health Promotion and Behavior*. 2022;7(4):284–98.
76. Hasnanisa N, Prasetyo S, Handayani Y. Faktor-faktor Tuberkulosis Paru: Analisis Spasial. *Jurnal Ilmiah Kesehatan Masyarakat*. 2023;15(3):107–18.
77. Pooransingh S, Sakhamuri S. Need for BCG Vaccination to Prevent TB in High-Incidence Countries and Populations. *Emerging Infectious Disease*. 2020;26(3):624–5.