

DAFTAR PUSTAKA

- Ajim Ali, S., & Ahmad, A. (2018). Using analytic hierarchy process with GIS for Dengue risk mapping in Kolkata Municipal Corporation, West Bengal, India. *Spatial Information Research*, 26(4), 449–469. <https://doi.org/10.1007/s41324-018-0187-x>
- Andriani, R., & Sukendra, D. M. (2020). Faktor Lingkungan dan Perilaku Pencegahan dengan Kejadian Leptospirosis di Daerah Endemis. *HIGEIA*, 4(3). <https://doi.org/10.15294/higeia/v4i3/33710>
- Anggara, A. W., Solihin, D. D., Manalu, W., & Irzaman. (2015). Ethogram Perilaku Alami Individu Tikus Sawah (*Rattus argentiventer* Robinson and Kloss, 1916) dalam Laboratorium. *Zoo Indonesia*, 24(2), 95–108.
- Aronoff, S. (1989). *Geographic Information Systems: A Management Perspective*. WDL Publications.
- Arsyad, A. S., & Kusnanto, H. (2018). Pemetaan Daerah Kerawanan Penyakit Leptospirosis Melalui Metode Geographically Weighted Zero Inflated Poisson Regression. *BKM Journal of Community Medicine and Public Health*, 34(7), 257–262.
- Astuti, D. R. (2013). Keefektifan Rodentisida Racun Kronis Generasi II Terhadap Keberhasilan Penangkapan Tikus. *Jurnal Kesehatan Masyarakat*, 8(2), 183–189. <http://journal.unnes.ac.id/nju/index.php/kemas>
- Atta-Ur-Rahman, Ahmed, M., Zaman, G., Iqbal, T., Alam Khan, M. A., Farooqui, M., Basheer Ahmed, M. I., Ahmed, M. S., Nabeel, M., & Omar, A. (2022). Geo-Spatial Disease Clustering for Public Health Decision Making. *Informatica (Slovenia)*, 46(6), 21–31. <https://doi.org/10.31449/inf.v46i6.3827>
- Boey, K., Shiokawa, K., & Rajeev, S. (2019). *Leptospira* infection in rats: A literature review of global prevalence and distribution. In *PLoS Neglected Tropical Diseases* (Vol. 13, Issue 8). Public Library of Science. <https://doi.org/10.1371/journal.pntd.0007499>
- BMKG. (2023). (Analisis - Bulanan) Distribusi Curah Hujan Bulan Desember Tahun 2023 di Provinsi Jawa Timur. <https://staklim-jatim.bmkg.go.id/index.php>
- Centers for Disease Control and Prevention. (2012). *Principles of Epidemiology in Public Health Practice, Third Edition: An Introduction*. U.S. Department of Health and Human Services Centers for Disease Control and Prevention.
- Centers for Disease Control and Prevention. (2017). *Leptospirosis Fact Sheet*. <https://www.cdc.gov/leptospirosis/resources/leptospirosis-fact-sheet.html>
- Centers for Disease Control and Prevention. (2021). *Zoonotic Diseases*. <https://www.cdc.gov/onehealth/basics/zoonotic-diseases.html>
- Chadsuthi, S., Iamsirithaworn, S., Triampo, W., & Modchang, C. (2015). Modeling seasonal influenza transmission and its association with climate factors in Thailand using time-series and ARIMAX analyses. *Computational and mathematical methods in medicine*, 2015.
- Chang, K.-T. (2018). *Introduction to geographic information systems* (9th ed.). McGraw-Hill Education.

- Danoedoro, P. (2012). *Pengantar Penginderaan Jauh Digital*. Penerbit ANDI.
- Dhewantara, P. W., Lau, C. L., Allan, K. J., Hu, W., Zhang, W., Mamun, A. A., & Soares Magalhães, R. J. (2019). Spatial epidemiological approaches to inform leptospirosis surveillance and control: A systematic review and critical appraisal of methods. In *Zoonoses and Public Health* (Vol. 66, Issue 2, pp. 185–206). Wiley-VCH Verlag. <https://doi.org/10.1111/zph.12549>
- Dinas Kesehatan Kabupaten Pacitan. (2022). *Profil Kesehatan Kabupaten Pacitan 2021*.
- Dinas Kesehatan Kabupaten Pacitan. (2023, March). *Leptospirosis Masih Mengintai, Tetap Waspada dan Selalu Menjaga Budaya Hidup Bersih dan Sehat*. <https://Pacitankab.Go.Id/Leptospirosis-Masih-Mengintai-Tetap-Waspada-Dan-Selalu-Menjaga-Budaya-Hidup-Bersih-Dan-Sehat/>.
- Djati, R. A. P., Kusnopranto, H., Utomo, S. W., Sakundarno, M., Dewabrata, P. W., Fuad, H. A. H., & Wicaksono, M. A. (2020). Leptospirosis control based on eco-social factors: Modeling combination in Demak, Central Java, Indonesia. *Biodiversitas Journal of Biological Diversity*, 21(12).
- Dom, N. C., Hassan, A. A., Latif, Z. A., Ahmad, A. H., & Ismail, R. (2016). Application of GIS-based Analytical Hierarchy Process as a tool for Dengue Risk Assessment Occupational Safety and Health View project Infestation and life demographic profile of Aedes albopictus in urban dengue risk area View project Application of GIS-based Analytical Hierarchy Process as a tool for Dengue Risk Assessment Asian Pacific Journal of Tropical Disease. In *Article in Asian Pacific Journal of Tropical Disease*. <https://www.researchgate.net/publication/309413911>
- European Space Agency. (2024). *Sentinel Overview*. <https://sentinels.copernicus.eu/web/sentinel/missions>.
- Esri. (2021). *Intersect*. <https://desktop.arcgis.com/en/arcmap/latest/tools/analysis-toolbox/intersect.htm>
- Faritcan Siallagan, T., & Andrian, A. (2022). Sistem Perangkap Hama Tikus Di Kandang Ayam Berbasis Iot Menggunakan Metode C.45. *Jurnal Manajemen Sistem Informasi (JMASIF)*, 1(2), 68–75. <https://doi.org/10.35870/jmasif.v1i2.120>
- Febrian, F., & Solikhah. (2013). Analisis Spasial Kejadian Penyakit Leptospirosis di Kabupaten Sleman Provinsi Daerah Istimewa Yogyakarta Tahun 2011. *Kes Mas : Jurnal Fakultas Kesehatan Masyarakat*, 7(1), 7–14.
- Haake, D. A., & Levett, P. N. (2015). Leptospirosis in humans. *Leptospira and leptospirosis*, 65-97.
- Handayani, F. D., Pratamawati, D. A., Widjajanti, W., Muhidin, M., Yuliadi, B., Safitri, A., Hidayati, N., Mulyono, A., & Ristiyanto, R. (2019). Penguatan Kebijakan One Health dan Jejaring Laboratorium Dalam Deteksi Dini Leptospirosis di Indonesia. *Buletin Penelitian Kesehatan*, 47(4). <https://doi.org/10.22435/bpk.v47i4.1928>
- Hassan, H. A., Daud, A., Ismail, A. F., Aziz, N. R. A., A, F., Shafei, M. N., Yaacob, N. A., & Mohamad, W. M. Z. W. (2018). A Geographical Information System on Related Environmental Factors of Leptospirosis in Northeastern State

- Malaysia. *International Journal of Rural Development, Environment and Health Research*, 2(1), 26–36. <https://doi.org/10.22161/ijreh.2.1.4>
- Heriyanto, B., Ristiyanto, R., Handayani, F. D., & Trapsilowati, W. (2012). Studi Penanggulangan Leptospirosis Di Kecamatan Semarang Selatan, Kota Semarang, Jawa Tengah Tahun 2012.
- Ikawati B, Yuniant B, Ramadhani T. (2011). Studi Fauna Tikus Dan Cecurut Di Daerah Ditemukan Kasus Leptospirosis Di Kabupaten Klaten, Provinsi Jawa Tengah. *Jurnal Balaba*, 7 (2), 40-45.
- Janah, M., Rejeki, D. S. S., & Nurlaela, S. (2021). Analisis Kondisi Lingkungan pada Kejadian Leptospirosis di Kabupaten Banyumas dengan Pendekatan Spasial. *ASPIRATOR - Journal of Vector-Borne Disease Studies*, 13(2), 89–100. <https://doi.org/10.22435/asp.v13i2.4837>
- Kementerian Kesehatan Republik Indonesia. (2015). *Riset Khusus Vektor dan Reservoir Penyakit (Rikhus Vektora) Laporan Provinsi Jawa Tengah*.
- Kementerian Kesehatan Republik Indonesia. (2016a). *Riset Khusus Vektor dan Reservoir Penyakit (Rikhus Vektora) Laporan Provinsi Banten*.
- Kementerian Kesehatan Republik Indonesia. (2016b). *Riset Khusus Vektor dan Reservoir Penyakit (Rikhus Vektora) Laporan Provinsi Jawa Barat*.
- Kementerian Kesehatan Republik Indonesia. (2016c). *Riset Khusus Vektor dan Reservoir Penyakit (Rikhus Vektora) Laporan Provinsi Jawa Timur*.
- Kementerian Kesehatan Republik Indonesia. (2017a). *Laporan Akhir Riset Khusus Vektor dan Reservoir Penyakit Provinsi Daerah Istimewa Yogyakarta Tahun 2017*.
- Kementerian Kesehatan Republik Indonesia. (2017b). *Petunjuk Teknis Pengendalian Leptospirosis*.
- Kementerian Kesehatan Republik Indonesia. (2018a). *Riset Khusus Vektora Provinsi DKI Jakarta*.
- Kementerian Kesehatan Republik Indonesia. (2018b). *Modul Pelatihan Surveilans Epidemiologi Bagi Petugas Puskesmas*.
- Kementerian Kesehatan Republik Indonesia. (2022). *Profil Kesehatan Indonesia 2021*.
- Khariri. (2019). Survei keanekaragaman tikus sebagai hewan pembawa bakteri Leptospira di Provinsi Jawa Tengah. *PROS SEM NAS MASY BIODIV INDON*, 5(1), 42–45. <https://doi.org/10.13057/psnmmbi/m050109>
- Kimerling, A. J., Buckley, A. R., Muehrcke, P. C., & Muehrcke, J. O. (2016). *Map Use Reading Analysis Interpretation*. Esri.
- Liu, C., Frazier, P., & Kumar, L. (2007). Comparative assessment of the measures of thematic classification accuracy. *Remote Sensing of Environment*, 107(4), 606–616. <https://doi.org/10.1016/j.rse.2006.10.010>
- Longley, P. A., Goodchild, M. F., Maguire, D. J., & Rhind, D. W. (2005). *Geographical Information Systems and Science*. John Wiley & Sons.
- Maheswaran, R., & Craglia, M. (2004). Introduction and Overview. In *GIS in Public Health Practice* (pp. 1–9). CRC Press.
- Mayer, J. D. (1983). The Role of Spatial Analysis and Geographic Data in the Detection of Disease Causation. *Soc. Sci. Med*, 17(16), 1213–1221.

- Modlinska, K., & Pisula, W. (2020). The natural history of model organisms the norway rat, from an obnoxious pest to a laboratory pet. *ELife*, 9. <https://doi.org/10.7554/eLife.50651>
- Mulyani, G. T., Raharjo, S., Purnomo, A. B., Santoso, Y., & Kurnia, D. K. W. (2018). Leptospirosis pada Kucing di Yogyakarta dan Sekitarnya. *Jurnal Veteriner Desember*, 19(4), 1-5.
- Mulyani, G. T., Hartati, S., Santoso, Y., Kurnia, P. A., & Wirapratwi, D. K. (2017). Kejadian leptospirosis pada anjing di Daerah Istimewa Yogyakarta. *Jurnal Veteriner*, 18(3), 403-408.
- Mustofa, U. (2018). *Pemanfaatan Citra Landsat 8 untuk Pemetaan Kerawanan Penyakit Leptospirosis di Kecamatan Imogiri dan Kecamatan Bambanglipuro* [Tesis]. Universitas Gadjah Mada.
- Mwachui, M. A., Crump, L., Hartskeerl, R., Zinsstag, J., & Hattendorf, J. (2015). Environmental and Behavioural Determinants of Leptospirosis Transmission: A Systematic Review. *PLoS Neglected Tropical Diseases*, 9(9). <https://doi.org/10.1371/journal.pntd.0003843>
- Nawangwulan, N. H., Sudarsono, B., & Sasmito, B. (2013). Analisis Pengaruh Perubahan Lahan Pertanian Terhadap Hasil Produksi Tanaman Pangan di Kabupaten Pati Tahun 2001-2011. *Jurnal Geodesi Undip*, 2(2), 127-140.
- Nichiata, L. Y. I., Bertolozzi, M. R., Ferreira Takahashi, R., & Fraccolli, L. A. (2008). *The Use of the "Vulnerability" Concept in the Nursing Area*. www.eerp.usp.br/rlae
- Notobroto, H. B., Mirasa, Y. A., & Rahman, F. S. (2021). Sociodemographic, behavioral, and environmental factors associated with the incidence of leptospirosis in highlands of Ponorogo Regency, Province of East Java, Indonesia. *Clinical Epidemiology and Global Health*, 12. <https://doi.org/10.1016/j.cegh.2021.100911>
- Nurbeti, M., Kusnanto, H., & Nugroho, W. S. (2016). Analisis Spasial Kasus Leptospirosis di Perbatasan Kabupaten Bantul, Sleman, dan Kulon Progo. *Kes Mas: Jurnal Kesehatan Masyarakat*, 10(1), 1-10.
- Olofsson, P., Arévalo, P., Espejo, A. B., Green, C., Lindquist, E., McRoberts, R. E., & Sanz, M. J. (2020). Mitigating the effects of omission errors on area and area change estimates. *Remote Sensing of Environment*, 236. <https://doi.org/10.1016/j.rse.2019.111492>
- Picardeau, M. (2017). Virulence of the zoonotic agent of leptospirosis: still terra incognita?. *Nature Reviews Microbiology*, 15(5), 297-307.
- Prasetyo, F. A., Atoillah Isfandiari, M., & Nugroho, A. (2022). Characteristics of Leptospirosis Cases in Pacitan District, East Java Province. *Indonesian Journal of Tropical and Infectious Disease*, 10(3), 158-164. <https://e-journal.unair.ac.id/IJTID/>
- Priyanto, A., Hadisaputro, S., Santoso, L., Gasem, H., & Adi, S. (2008). Faktor-Faktor Risiko yang Berpengaruh terhadap Kejadian Leptospirosis (Studi Kasus di Kabupaten Demak). *Jurnal Epidemiologi*, 1-11. www.pdfactory.com

- Putra, G. K. (2021). *Pemanfaatan Sistem Informasi Geografi untuk Pemetaan Kerawanan Penularan Leptospirosis di Desa Tirtonirmolo, Kecamatan Kasihan, Kabupaten Bantul, Yogyakarta*. Universitas Gadjah Mada.
- Rahayu, S., Sakundarno, M., & Dian, L. (2017). Pemetaan Faktor Risiko Lingkungan Leptospirosis dan Penentuan Zona Tingkat Kerawanan Leptospirosis di Kabupaten Demak Menggunakan Remote Sensing Image. *Jurnal Kesehatan Masyarakat*, 5(1), 218–225. <http://ejournal-s1.undip.ac.id/index.php/jkm>
- Rahim, A., & Yudhastuti, R. (2015). Mapping and analysis of environmental risk factors Leptospirosis incidence based Geographic Information System (GIS) in Sampang Regency. *Jurnal Kesehatan Lingkungan Unair*, 8(1), 48-56.
- Rejeki, D. S. S., Nurlaela, S., & Octaviana, D. (2013). Pemetaan dan Analisis Faktor Risiko Leptospirosis. *Jurnal Kesehatan Masyarakat Nasional*, 8(4), 179–186.
- Robertson, C., Nelson, T. A., & Stephen, C. (2012). Spatial epidemiology of suspected clinical leptospirosis in Sri Lanka. *Epidemiology and Infection*, 140(4), 741–743. <https://doi.org/10.1017/S0950268811001014>
- Saaty, R. W. (1987). *The Analytic Hierarchy Process-What It Is And How It Is Used*. 9(5), 161–176.
- Samrot, A. V., Sean, T. C., Bhavya, K. S., Sahithya, C. S., Chan-Drasekaran, S., Palanisamy, R., ... & Mok, P. L. (2021). Leptospiral infection, pathogenesis and its diagnosis—A review. *Pathogens*, 10(2), 145.
- Sherbinin, A. de, Balk, D., Yager, K., Jaiteh, M., Pozzi, F., Giri, C., & Wannebo, A. (2002). *A CIESIN Thematic Guide to Social Science Applications of Remote Sensing*. http://sedac.ciesin.columbia.edu/tg/guide_main.jsp.
- Sholikah, Hidajah, A. C., & Kartika, B. W. (2018). Evaluation of an Epidemiologic Investigation and Risk Factors Study of Leptospirosis Disease. *Achieving SDGs in South East Asia: Challenging and Tackling of Tropical Health Problems*, 409–413.
- Sijid, S.A., Muthiadin, C., Zulkarnain, Z., & Purba, R. A. (2022). Faktor-faktor yang berpengaruh terhadap kejadian leptospirosis dan pencegahannya. *Teknosains: Media Informasi Sains dan Teknologi*, 16(2), 214-220.
- Soemirat, J. (2015). *Epidemiologi Lingkungan* (3rd ed.). Gadjah Mada University Press.
- Souza, I. P. de O., Uberti, M. S., & Tassinari, W. de S. (2020). Geoprocessing and spatial analysis for identifying leptospirosis risk areas: A systematic review. In *Revista do Instituto de Medicina Tropical de Sao Paulo* (Vol. 62, pp. 1–13). Instituto de Medicina Tropical de Sao Paulo. <https://doi.org/10.1590/S1678-9946202062035>
- Sudarmaji, & Herawati, N. A. (2018). Breeding ecology of the rice field rat (*Rattus argentiventer* Rob & Kloss, 1916) in irrigated rice ecosystem in Indonesia. *AIP Conference Proceedings*, 2002. <https://doi.org/10.1063/1.5050154>
- Sunaryo, S., & Priyanto, D. (2022). Leptospirosis in rats and livestock in Bantul and Gunungkidul district, Yogyakarta, Indonesia. *Veterinary World*, 15(6), 1449–1455. <https://doi.org/10.14202/vetworld.2022.1449-1455>
- Supranelfy, Y., Hapsari, N. S., & Oktarina, R. (2019). Analisis Faktor Lingkungan Terhadap Distribusi Jenis Tikus yang Terkonfirmasi Sebagai Reservoir

- Leptospirosis di Tiga Kabupaten di Provinsi Sumatera Selatan. *Vektora*, 11(1), 31–38. <https://doi.org/10.22435/vk.v11i1.1144.31-38>
- Suryani, L., Pramodyo, H., & Andarini, S. (2016). The Spread Pattern and Various Risk Factors of Human Leptospirosis in Yogyakarta, Indonesia. *Journal of Pure and Applied Microbiology*, 10(1), 11–16.
- Sutanto. (1986). *Penginderaan Jauh* (Vol. 1). Gadjah Mada University Press.
- Syakbanah, N. L., Fuad, A., & Kusnanto, H. (2019). Analisis temporal efek cuaca terhadap leptospirosis di kabupaten Bantul, Yogyakarta tahun 2010-2018. *Berita Kedokteran Masyarakat*, 35(4), 1-12.
- Teles, A. J., Bohm, B. C., Silva, S. C. M., & Bruhn, F. R. P. (2023). Socio-geographical factors and vulnerability to leptospirosis in South Brazil. *BMC Public Health*, 23(1), 1311.
- Tempfli, K., Huurneman, G. C., Bakker, W. H., Janssen, L. L. F., Feringa, W. F., Gieske, A. S. M., Grabmaier, K. A., Hecker, C. A., & Horn, J. A. van der. (2009). *Principles of remote sensing : an introductory textbook*. ITC.
- Tenny S, Hoffman MR. *Prevalence*. [Updated 2023 May 22]. In: StatPearls [Internet]. Treasure Island (FL): StatPearls Publishing; 2024 Jan-. Available from: <https://www.ncbi.nlm.nih.gov/books/NBK430867/>
- Tunissea, A. (2008). Faktor lingkungan abiotik pada kejadian leptospirosis. *Journal Kolegium*, 7(02), 23-23.
- Widayani, P. (2016). *Pemodelan Spasial Kerentanan Wilayah Terhadap Penyakit Menular Terkait Lingkungan Berbasis Penginderaan Jauh (Kasus Malaria, Leptospirosis dan Tuberkulosis di Sebagian Wilayah Provinsi Jawa Tengah dan DIY [Disertasi]*. Universitas Gadjah Mada.
- Widayani, P., Gunawan, T., Danoedoro, P., & Mardihusodo, S. J. (2016). Application of Geographically Weighted Regression for Vulnerable Area Mapping of Leptospirosis in Bantul District. *Indonesian Journal of Geography*, 48(2), 168–177.
- Widjajanti, W. (2020). Epidemiologi, diagnosis, dan pencegahan Leptospirosis. *Journal of Health Epidemiology and Communicable Diseases*, 5(2), 62–68. <https://doi.org/10.22435/jhecdis.v5i2.174>
- Widoyono. (2011). *Penyakit Tropis: Epidemiologi, Penularan, Pencegahan & Pemberantasannya*. Erlangga.
- World Health Organization. (2020). *Zoonoses*. <https://www.who.int/news-room/fact-sheets/detail/zoonoses>
- Wu, X. et al. (2016) ‘Impact of climate change on human infectious diseases: Empirical evidence and human adaptation’, *Environment International*. The Authors, 86, pp. 14–23. doi: 10.1016/j.envint.2015.09.007.
- Yunianto, B., Ramadhani, T., Ikawati, B., Wijayanti, T., & Jarohman. (2012). Studi Reservoir dan Distribusi Kasus Leptospirosis di Kabupaten Gresik Tahun 2010. *Jurnal Ekologi Kesehatan*, 11(1), 40–51.
- Yuniasih, D., Ihsana, N., Shalsabila, D. A., & Sukirto, N. W. (2022). Systematic Review: Epidemiology Of Leptospirosis In Indonesia. *Jurnal Kesehatan Masyarakat*, 10(5), 544-549.