

DAFTAR PUSTAKA

- Ahmad, H., Inayah, Sahani, W., & Tokan, P. K. (2024). Pengendalian Vektor Dan Binatang Pengganggu. Pt. Nas Media Indonesia16. https://books.google.co.id/books?hl=en&lr=&id=Pebdeqaaqbaj&oi=fnd&pg=PA1&dq=Cara++Pencegahan++Timbulnya+Tikus++Menutup+Celah&ots=04J-Wm_Gr4&sig=N-Fyelzfsrnangigaair-ly22c&redir_esc=y#v=onepage&q&f=false
- Aisyah Sijid, S., Muthiadin, C., & Adi Purba, R. (2022). Faktor-Faktor Yang Berpengaruh Terhadap Kejadian Leptospirosis Dan Pencegahannya (Review).
- Alfazcha, I., & Sukendra, D. M. (2020). Analisis Spasial Kasus Leptospirosis Berdasar Faktor Epidemiologi Dan Faktor Risiko Lingkungan. *Higeia Journal Of Public Health Research And Development*, 4(4), 587–598. <https://doi.org/10.15294/higeia/v4i4/36324>
- Amalia, I. I., & Prawoto, B. P. (2024). Bilangan Reproduksi Dasar Model Penyebaran Leptospirosis Dengan Adanya Kesadaran Berperilaku Hidup Bersih Dan Sehat. In *Jurnal Ilmiah Matematika* (Vol. 12).
- Arasy, A. A., Nurjazuli, & Adi, M. S. (2023). Analisis Faktor Lingkungan Yang Mempengaruhi Keberadaan Tikus Positif Bakteri *Leptospira* Sp. Di Kota Kendari. *Jurnal Penelitian Pendidikan IPA*, 9(Specialissue), 806–814. <https://doi.org/10.29303/jppipa.v9ispecialissue.5441>
- Aydin, S., Emre, E., Ugur, K., Aydin, M. A., Sahin, İ., Cinar, V., & Akbulut, T. (2025). An Overview Of ELISA: A Review And Update On Best Laboratory Practices For Quantifying Peptides And Proteins In Biological Fluids. In *Journal Of International Medical Research* (Vol. 53, Issue 2). SAGE Publications Ltd. <https://doi.org/10.1177/03000605251315913>
- Bahar, E., Suharti, N., Rasyid, R., Putra, A. E., Linosefa, L., Reza, M., & Amir, A. (2019). Penyuluhan Dan Pemeriksaan Leptospirosis Terhadap Petani Di Nagari Alahan Panjang Kabupaten Solok. *Jurnal Warta Pengabdian Andalas*, 26(2), 88–96. <https://doi.org/10.25077/jwa.26.2.88-96.2019>
- Baharom, M., Ahmad, N., Hod, R., Ja'afar, M. H., Arsad, F. S., Tangang, F., Ismail, R., Mohamed, N., Mohd Radi, M. F., & Osman, Y. (2024). Environmental And Occupational Factors Associated With Leptospirosis: A Systematic Review. *Heliyon*, 10(1). <https://doi.org/10.1016/j.heliyon.2023.E23473>
- Braganza, O. (2020). A Simple Model Suggesting Economically Rational Sample-Size Choice Drives Irreproducibility. *Plos ONE*, 15(3). <https://doi.org/10.1371/journal.pone.0229615>
- Britannica Editors. (2024). Polymerase Chain Reaction (PCR). In *Encyclopaedia Britannica*.
- Casanovas-Massana, A., Costa, F., Riediger, I. N., Cunha, M., De Oliveira, D., Mota, D. C., Sousa, E., Querino, V. A., Nery, N., Reis, M. G., Wunder, E. A., Diggle, P. J., & Ko, A. I. (2018). Spatial And Temporal Dynamics Of Pathogenic *Leptospira* In Surface Waters From The Urban Slum Environment. *Water Research*, 130, 176–184. <https://doi.org/10.1016/j.watres.2017.11.068>

- Chinchilla, D., Sánchez, I., Montero, D., Picardeau, M., & Gutiérrez, R. (2025). In-House Isolation Protocol From Human Serum Samples Demonstrates The Circulating Of A Broad Diversity Of *Leptospira* Serogroups In Costa Rica. *Scientific Reports*, 15(1). <https://doi.org/10.1038/S41598-025-93301-0>
- Christian, J. E., Yuliawuri, H., Gunawan, N., & Charlotte, Y. (2024). Uji Diagnostik Virus Hepatitis B Dan CRISPR-Cas Sebagai Alternatif: Sebuah Tinjauan Pustaka. *Journal Of Medicine And Health*, 6(1), 103–114. <https://doi.org/10.28932/Jmh.V6i1.5959>
- Cilia, G., Bertelloni, F., Albini, S., & Fratini, F. (2021). Insight Into The Epidemiology Of Leptospirosis: A Review Of *Leptospira* Isolations From “Unconventional” Hosts. In *Animals* (Vol. 11, Issue 1, Pp. 1–16). MDPI AG. <https://doi.org/10.3390/ani11010191>
- Ciurariu, E., Prodan-Barbulescu, C., Mateescu, D. M., Tutac, P., Sorop, V. B., Susan, M., & Varga, N. I. (2025). Diagnostic Advances In Leptospirosis: A Comparative Analysis Of Paraclinical Tests With A Focus On PCR. In *Microorganisms* (Vol. 13, Issue 3). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/microorganisms13030667>
- Costa, F., Ribeiro, G. S., Felzemburgh, R. D. M., Santos, N., Reis, R. B., Santos, A. C., Fraga, D. B. M., Araujo, W. N., Santana, C., Childs, J. E., Reis, M. G., & Ko, A. I. (2014). Influence Of Household Rat Infestation On *Leptospira* Transmission In The Urban Slum Environment. *Plos Neglected Tropical Diseases*, 8(12). <https://doi.org/10.1371/Journal.Pntd.0003338>
- Devi Astari, D., Gustiani Dewi, S., Setyaningrum, S., & Lidya, B. (2021). Perancangan Primer Untuk Deteksi Kandungan Gen Cytochrome B Babi Dengan Metode Polymerase Chain Reaction Dan Aplikasinya Pada Berbagai Produk Industri. *Fullerene Journ. Of Chem*, 6(2), 110–117. <https://doi.org/10.37033/Fjc.V6i2.329>
- Diaswati, M. S., Marsanti, A. S., & Ratnawati, R. (2024). The Influencing Factors Of The Leptospirosis Prevalence In The Working Area Of The Kebonagung Public Health Center. *Jurnal Ilmiah Kesehatan (JIKA)*, 6(1), 25–35. <https://doi.org/10.36590/Jika.V6i1.629>
- Efendi, A., Gunardi, S., & Asri, K. (2022). Penggunaan Microscopic Agglutination Test (MAT) Dalam Pendiagnosaan *Leptospira* Sp. Di Anjing (Microscopic Agglutination Test (MAT) As Diagnostic Test For Canine Leptospirosis). <http://www.journal.lpb.ac.id/index.php/actavetindones>
- Eka Purnama, S., Hartono, B., Studi Magister Ilmu Kesehatan Masyarakat, P., & Kesehatan Masyarakat, F. (2022). Faktor Risiko Kejadian Leptospirosis Di Indonesia: Literature Review. *Jurnal Kesehatan Masyarakat*, 6(3), 2001–2022.
- Estela Karolina, M., & Sari, D. (2023). Leptospirosis Dengan Gangguan Ginjal : Laporan Kasus.
- Feitosa, I., Santos, B., & Almeida, P. G. (2024). Pavement Inspection In Transport Infrastructures Using Unmanned Aerial Vehicles (Uavs). In *Sustainability (Switzerland)* (Vol. 16, Issue 5). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/su16052207>

- Fornazari, F., Richini-Pereira, V. B., Joaquim, S. F., Nachtigall, P. G., & Langoni, H. (2021). Leptospirosis Diagnosis Among Patients Suspected Of Dengue Fever In Brazil. *Journal Of Venomous Animals And Toxins Including Tropical Diseases*, 27. <https://doi.org/10.1590/1678-9199-Jvatiid-2020-0118>
- Gunardi, W. D. (2021). Pemeriksaan Diagnosis Laboratorium COVID-19: Keterbatasan Dan Tantangannya Saat Ini. *Jurnal Kedokteran Meditek*, 27(2), 173–182. <https://doi.org/10.36452/Jkdoktmeditek.V27i2.2036>
- Herman, H., Nuradi, N., Herdiansyah, H., Herdiana, H., Virgiawan, A. R., & M. Askar, M. A. (2023). Sensitivity And Specificity Of Rapid Antigen Antigen Examination For COVID-19 Immunochromatography Method At The Dadi Regional Special Hospitals. *Jurnal Media Analisis Kesehatan*, 14(2), 127–137. <https://doi.org/10.32382/Jmak.V14i2.247>
- Husada, S., & Sanaky, M. J. (2021). Penerapan Komunikasi Kesehatan Untuk Pencegahan Penyakit Leptospirosis Pada Masyarakat. *Jurnal Ilmiah Kesehatan Sandi Husada*, 10(2), 720–727. <https://doi.org/10.35816/Jiskh.V10i1>
- Husni, S. H., Martini, M., Suhartono, S., Budiyo, B., & Raharjo, M. (2023). Faktor Lingkungan Yang Berpengaruh Terhadap Keberadaan Tikus Serta Identifikasi Bakteri Leptospira Sp. Di Pemukiman Sekitar Pasar Kota Semarang Tahun 2022. *Jurnal Kesehatan Lingkungan Indonesia*, 22(2), 134–141. <https://doi.org/10.14710/Jkli.22.2.134-141>
- Ilma, K., Martini, M., & Raharjo, M. (2023). Literatur Review : Faktor Kondisi Lingkungan Dengan Kejadian Leptospirosis. VIII(1).
- Ilmu, J., Masyarakat, K., Yulianto, B., Candra, L., Kesehatan, I., Stikes, M., & Pekanbaru, H. (2019). Al-Tamimi Kesmas Kondisi Fisik Rumah Dan Sisa Makanan Terhadap Keberadaan Vektor Tikus Di Kelurahan Sukajadi Kecamatan Sukajadi Kota Pekanbaru. 8(1), 41–47. <http://jurnal.alinsyirah.ac.id/index.php/Kesmas>
- Inayah, N., Dyah, Y., & Santik, P. (2023). Kejadian Leptospirosis Di Kabupaten Kebumen Tahun 2022. *Higeia Journal Of Public Health Research And Development*, 7(4), 550–561. <https://doi.org/10.15294/Higeia.V8i2.70682>
- Innuddin, M., Febry Rachman, D., Fathoni, A., & Hadi, S. (2023). Sosialisasi Internet Sehat, Cerdas, Kreatif Dan Produktif Pada Masyarakat Kalijaga Baru. In *Valid Jurnal Pengabdian Sekolah Tinggi Ilmu Ekonomi Amm Mataram* (Vol. 1, Issue 3).
- Jahja, S. J., & Drew, C. (2024). Peningkatan Pengetahuan Dalam Upaya Pencegahan Kasus Baru Leptospirosis Di Wilayah Kerja Puskesmas Kresek. *Malahayati Nursing Journal*, 6(2), 725–735. <https://doi.org/10.33024/Mnj.V6i2.12875>
- Jayasundara, D., Gamage, C., Senavirathna, I., Warnasekara, J., Matthias, M. A., Vinetz, J. M., & Agampodi, S. (2021). Optimizing The Microscopic Agglutination Test (Mat) Panel For The Diagnosis Of Leptospirosis In A Low Resource, Hyper-Endemic Setting With Varied Microgeographic Variation In Reactivity. *Plos Neglected Tropical Diseases*, 15(7). <https://doi.org/10.1371/Journal.Pntd.0009565>
- Jittimanee, J., & Wongbutdee, J. (2021). Prevention And Control Of Leptospirosis In People And Surveillance Of The Pathogenic Leptospira

In Rats And In Surface Water Found At Villages. *Journal Of Infection And Public Health*, 12(5), 705–711.
<https://doi.org/10.1016/j.jiph.2019.03.019>

- Karina Rim Br Ginting, G., Indarjo, S., Kesehatan Masyarakat, J., Ilmu Keolahragaan, F., & Negeri Semarang, U. (2022). 236 HIGEIA 6 (2) (2022) Higeia Journal Of Public Health Research And Development Lingkungan, Perilaku Personal Hygiene, Dan Pemakaian Apd Terhadap Kejadian Leptospirosis Abstrak.
<https://doi.org/10.15294/Higeia.V6i2.53916>
- Kemenkes RI. (2024). Profil Kesehatan Indonesia Tahun 2023.
- Khaki, P., Rahimi Zarchi, F., Moradi Bidhendi, S., & Gharakhani, M. (2023). Application Of A Multiplex PCR Assay For Molecular Identification Of Pathogenic And Non-Pathogenic Leptospire Based On LipL32 And 16S Rrna Genes. *Archives Of Razi Institute*, 78(1), 413–418.
<https://doi.org/10.22092/ARI.2022.359211.2388>
- Kharisma Setia, Y., Puspawati, N., & Maarif Rukmana, R. (2020). Deteksi Escherichia Coli Dengan Metode Polimerase Chain Reaction (PCR) Detection Of Escherichia Coli With Polymerase Chain Reaction (PCR).
- Levett, P. N., Branch, S. L., Whittington, C. U., Edwards, C. N., & Paxton, H. (2001). Two Methods For Rapid Serological Diagnosis Of Acute Leptospirosis. *Clinical And Diagnostic Laboratory Immunology*, 8(2), 349–351. <https://doi.org/10.1128/CDLI.8.2.349-351.2001>
- Lingkungan Yang Berkaitan Dengan Kejadian Leptospirosis Di Kabupaten Pati Jawa Tengah, F., Maisyaroh Bakti Pertiwi, S., & Setiani, O. (2014). Environmental Factors Related To Leptospirosis Cases In The District Of Pati Central Java. In *Jurnal Kesehatan Lingkungan Indonesia* (Vol. 13, Issue 2).
- Lokida, D., Hadi, U., Lau, C. Y., Kosasih, H., Liang, C. J., Rusli, M., Sudarmono, P., Lukman, N., Laras, K., Asdie, R. H., Murniati, D., Utama, I. M. S., Mubin, R. H., Karyana, M., Gasem, M. H., & Alisjahbana, B. (2020). Underdiagnoses Of Rickettsia In Patients Hospitalized With Acute Fever In Indonesia: Observational Study Results. *BMC Infectious Diseases*, 20(1). <https://doi.org/10.1186/S12879-020-05057-9>
- Madhavan, A., Sachu, A., Vasudevan, A., & Vasudevapanicker, J. (2018). Prevalence Of Dengue And Leptospirosis Co-Infection In A Tertiary Care Hospital In South India. <http://ijm.tums.ac.ir>
- Majdi M, Melinda T, & Widiati Bidarati. (2024). Pengelolaan Sampah Rumah Tangga Dan Peta Sanitasi Di Dusun Peresak, Desa Darmaji, Kecamatan Kopang, Kabupaten Lombok Tengah Tahun 2024. *Jurnal Review Pendidikan Dan Pengajaran*, 7(3), 6891–6896.
- Manyullei, S., Amqam, H., & Rahmadanti, S. I. (2021). Identification Of Leptospira Serovar In Leptospirosis Suspect Serum In Manggala Subdistrict, Makassar City. *Open Access Macedonian Journal Of Medical Sciences*, 9, 407–410.
<https://doi.org/10.3889/Oamjms.2021.5316>
- Manyullei, S., Birawida, A. B., & Suleman Izmi Fhadilla. (2019). Studi Kepadatan Tikus Dan Ektoparasit Di Pelabuhan Laut Soekarno Hatta

- Tahun 2019. *Jurnal Nasional Ilmu Kesehatan*, 2(2), 2621–6507. <https://Journal.Unhas.Ac.Id/Index.Php/Jnik/Article/View/7970>
- Manyullei, S., Makmur Selomo, Dr, Lulhaq Musbir, A., & Al Anugerah Agus, M. (2022). Identifikasi Ektoparasit Pada Tikus Di Tiga Area Pemondokan Mahasiswa Perguruan Tinggi Negeri Kota Makassar. In *Patria Artha Journal Of Nursing Science* (Vol. 6, Issue 1). [Http://Ejournal.Patria-Artha.Ac.Id/Index.Php/Jns](http://Ejournal.Patria-Artha.Ac.Id/Index.Php/Jns)
- Mar, S., Munawaroh, Atul, Widiyanto, A., Tri Atmojo, J., Budi Susila Duarsa, A., Tri Handayani, R., & Setyo Dwi Nugroho, A. (2022). Pengaruh Kondisi Selokan Terhadap Kejadian Leptospirosis. [Http://Journal.Stikeskendal.Ac.Id/Index.Php/Keperawatan](http://Journal.Stikeskendal.Ac.Id/Index.Php/Keperawatan)
- Mely Fitry, & Yulis Marita. (2023). Analisis Sanitasi Lingkungan Rumah Dengan Keberadaan Vektor Tikus Di Kelurahan Sekar Jaya Kabupaten Oku. *Sehatmas: Jurnal Ilmiah Kesehatan Masyarakat*, 2(4), 1054–1063. <https://Doi.Org/10.55123/Sehatmas.V2i4.2675>
- Miftah, L., Izza Aziz, U., & Suropati, A. S. (2023). Tinjauan Aspek Klinis Leptospirosis A Review Of Clinical Aspects Of Leptospirosis. 227–235.
- Mubarakoh, W. W., Wirjaatmadja, R., Prakoso, Y. A., Rahayu, A., Dzaki, M., & Pratama, W. (2021). Leptospirosis Dan Pengembangan Metode Deteksi Leptospirosis Pada Sapi (Vol. 2).
- Mujahidah, Sari, D., Estela Karolina, M., & Subakir. (2023). Leptospirosis Dengan Gangguang Ginjal : Laporan Kasus.
- Mumtaz S, N. N., Najla Aidah, G. F., & Amalina Putri, F. (2024). Potensi Nanobiosensor Sebagai Basis Alat Deteksi Dini Ossc Melalui Pengenalan Saliva Cancer Biomarker Kanker Air Liur (Cea): Tinjauan Sistematis. *Comserva : Jurnal Penelitian Dan Pengabdian Masyarakat*, 3(09), 3833–3850. <https://Doi.Org/10.59141/Comserva.V3i09.1143>
- Muñoz-Zanzi, C., Mason, M. R., Encina, C., Astroza, A., & Romero, A. (2014). Leptospira Contamination In Household And Environmental Water In Rural Communities In Southern Chile. *International Journal Of Environmental Research And Public Health*, 11(7), 6666–6680. <https://Doi.Org/10.3390/Ijerp110706666>
- Ningsih, I., & Wahid, M. H. (2022a). Leptospirosis Ditinjau Dari Aspek Mikrobiologi. *EKOTONIA: Jurnal Penelitian Biologi, Botani, Zoologi Dan Mikrobiologi*, 7(1), 31–43. <https://Doi.Org/10.33019/Ekotonia.V7i1.3141>
- Ningsih, I., & Wahid, M. H. (2022b). Leptospirosis Ditinjau Dari Aspek Mikrobiologi. *EKOTONIA: Jurnal Penelitian Biologi, Botani, Zoologi Dan Mikrobiologi*, 7(1), 31–43. <https://Doi.Org/10.33019/Ekotonia.V7i1.3141>
- Ningsih, I., & Wahid, M. H. (2022c). Leptospirosis Ditinjau Dari Aspek Mikrobiologi. *EKOTONIA: Jurnal Penelitian Biologi, Botani, Zoologi Dan Mikrobiologi*, 7(1), 31–43. <https://Doi.Org/10.33019/Ekotonia.V7i1.3141>
- Nugroho, A., Trapsilowati, W., Yuliadi, B., Siska, D., Balai, I., Penelitian, B., Vektor, P., Reservoir, D., Salatiga, P., Hasanudin, J., 123, N., Salatiga, J., & Tengah, I. (N.D.). Faktor Lingkungan Biotik Dalam Kejadian Luar Biasa Leptospirosis Di Kabupaten Tangerang, Banten Biotic Environmental Factors In Leptospirosis Outbreaks In Tangerang District, Banten. <https://Doi.Org/10.22435/Vk.V10i2.1040>
- Nuha, N. F., Aprilianintyas, N. A., & Novitasari, D. (2023). Literature Review: Relationship Of Environmental Risk Factors And The Incidence Of

- Leptospirosis In Settlements (2018–2023). In *Jurnal Kesehatan Lingkungan* (Vol. 15, Issue 3, Pp. 235–246). Airlangga University Faculty Of Public Health. <https://doi.org/10.20473/Jkl.V15i3.2023.235-246>
- Nursitasari, H. A. (2019). The Analysis Of Residents' Behavior, The Condition Of Ratproofing Houses And Their Effects On The Incidence Of Leptospirosis Cases In Ponorogo Regency. *Jurnal Kesehatan Lingkungan*, 11(3), 198–207. <https://doi.org/10.20473/Jkl.V11i3.2019.198-207>
- Nurvita, S. (2023). Pemetaan Epidemiologi Leptospirosis Berbasis Sistem Informasi Geografis Tahun 2021-2022. *Jurnal Kesehatan Masyarakat*, 7(3), 16754–16761.
- Oktarizal, H., Pramawati, A., & Aminah, N. P. (2025). Analisis Faktor Sanitasi Lingkungan Dan Perilaku Penghuni Terhadap Keberadaan Tikus Di Permukiman Padat Kota Batam. *Jurnal Ners*, 9(3), 4683–4685.
- Omidfar, K., Riahi, F., & Kashanian, S. (2023). Lateral Flow Assay: A Summary Of Recent Progress For Improving Assay Performance. In *Biosensors* (Vol. 13, Issue 9). Multidisciplinary Digital Publishing Institute (MDPI). <https://doi.org/10.3390/Bios13090837>
- Oyamada, Y., Ozuru, R., Masuzawa, T., Miyahara, S., Nikaido, Y., Obata, F., Saito, M., Villanueva, S. Y. A. M., & Fujii, J. (2021). A Machine Learning Model Of Microscopic Agglutination Test For Diagnosis Of Leptospirosis. *Plos ONE*, 16(11 November). <https://doi.org/10.1371/Journal.Pone.0259907>
- Pan American Health Organization (PAHO). (2024). "Leptospirosis." <https://www.paho.org/en/topics/leptospirosis>
- Pei, F., Feng, S., Hu, W., Liu, B., Mu, X., Hao, Q., Cao, Y., Lei, W., & Tong, Z. (2023). Sandwich Mode Lateral Flow Assay For Point-Of-Care Detecting SARS-Cov-2. In *Talanta* (Vol. 253). Elsevier B.V. <https://doi.org/10.1016/J.Talanta.2022.124051>
- Pertiwi, M. K., Kusuma Wulandari, K., Anggraeny Rodja, H., Ghorizatul Urjiyah, U., Fibriani, E., & Arlingga Putri, F. (2021). Teknik Diagnostik Konvensional Dan Lanjutan Untuk Infeksi Bakteri Dan Resistensi Antibakteri Di Indonesia. *Widya Biologi*, 12(02), 98–116. <https://ejournal.unhi.ac.id/index.php/widyabiologi/article/view/2143>
- Prasetyo, D., & Pamungkas, K. N. I. N. (2021). Suspect Leptospirosis Pada Anjing Lokal Mix. *Arshi Veterinary Letters*, 2(4), 75–76. <https://doi.org/10.29244/Avl.2.4.75-76>
- Prestiaji, U. (2024). Seorang Perempuan 18 Tahun Dengan Leptospirosis: Laporan Kasus An 18-Year-Old Female With Leptospirosis: A Case Report. *Proceeding Of Thalamus Faculty Of Medicine Muhammadiyah Surakarta University*, 296–305.
- Priambodo, A., Nur, A. A., Sandri, D., Ahmada, N. H., & Septiandiani, F. (N.D.). Training On The Use Of Software Arcgis And Avenza Maps In Spatial Data Management And Digital Map For Village Apparatus In Purbalingga District. In *Abdimas Galuh* (Vol. 5, Issue 1).
- Putri, S. K., Wahyuni, S., Rizki, Z., Fajarna, F., Rahmad, M. U., & Besar, A. (2023). Rapid Tes Antibodi Untuk Skrining Covid-19 Dan Edukasi Protokol Kesehatan Bagi Mahasiswa Antibody Rapid Test For Covid-19

Screening And Health Protocol Education For. Jurnal Pengabdian Kepada Masyarakat, 2(1), 49–54.

- Rahman, M. M., Islam, M. R., & Dhar, P. S. (2023). Leptospirosis's Abrupt Resurgence: Types, Bacteriology, Molecular Genetics, Etiology, Diagnostic Testing, Transmission, Symptoms, And Medications. In International Journal Of Surgery (Vol. 109, Issue 2, Pp. 120–122). Wolters Kluwer Health Inc. <https://doi.org/10.1097/Js9.0000000000000031>
- Rasyid, Z., Puspita Sari, N., Lusiana, N., Sohor, S., & Kesehatan Masyarakat Fakultas Kesehatan Universitas Hang Tuah Pekanbaru, P. (2024). Al-Tamimi Kesmas. Journal Of Public Health Sciences, 13(1), 145–158. <https://jurnal.ikta.ac.id/index.php/Kesmas>
- Ratnaningsih, Hestiningih, R., & Sutiningih, D. (2023). Identifikasi Keberadaan Bakteri Leptospira Di Daerah Endemis Leptospirosis (Studi Di Dukuh Kalitengah Kecamatan Wedi Kabupaten Klaten). Jurnal Epidemiologi Kesehatan Komunitas, 8(1), 56–60.
- Riyadi, A. Y. P., & Sunarno. (2019). Metode Diagnosis Penyakit Leptospirosis Dengan Uji Microscopic Agglutination Test. Open Journal Systems, 14(2), 2077–2086.
- Rizal, R., Shandy, V. R., Rusdi, M. S., & Afriyeni, H. (2024). Kajian Kepuasan Pasien Terhadap Pelayanan Kefarmasian Di Apotek Rawat Jalan Rsud Sungai Dareh. Jurnal Penelitian Dan Pengkajian Ilmiah Eksakta, 3(2), 58–67. <https://doi.org/10.47233/Jppie.V3i2.1518>
- Rolia, E., Oktavia, C., Retnaning Rahayu, S., Fansuri, M., Teknik Sipil Universitas Muhammadiyah Metro, P., Manajemen Universitas Muhammadiyah Metro, P., & Jenderal Ahmad Yani Metro, R. (2023). Penyediaan Air Bersih Berbasis Kualitas, Kuantitas Dan Kontinuitas Air (Vol. 12, Issue 2). <http://u.lipi.go.id/1320332466>
- Rosadi, D., Berezky, A., Hasri, A. J., Ulya, A. Z., Melsa, Y. A., Studi, P., Masyarakat, K., & Kedokteran, F. (2023). Program Saluran Pembuangan Air Limbah (SPAL) Sebagai Upaya Dalam Peningkatan Sanitasi Lingkungan Waste Water Disposal Programme As An Step In Improving Environmental Sanitation. 3(2), 84–90. <https://doi.org/10.55606/Kreatif.V3i2.1473>
- Rudijanto Indro Wardono, H., & Subagiyo, A. (2022). Pencegahan Penyakit Leptospirosis Dengan Pengaplikasian Kaporit Di Wilayah Puskesmas Ajibarang 1 Article Info. Jurnal Warta LPM, 25(3), 379–387. <http://journals.ums.ac.id/index.php/Warta>
- Rum, R. R. (2016). Hubungan Antara Kondisi Lingkungan Rumah Dan Sanitasi Makanan Dengan Keberadaan Tikus Di Kabupaten Boyolali [Skripsi, Universitas Muhammadiyah Surakarta]. Surakarta URL:
- Sachio, D. A., Lestari, S. D., Dewi, I. G. A. P. A., Pratama, G. A., Pradipta, I. P. I. M., & Batan, I. W. (2024). Kajian Pustaka: Kejadian Leptospirosis Pada Manusia Dengan Reservoir Berbagai Hewan Mamalia. Indonesia Medicus Veterinus, 13(6), 668–679. <https://doi.org/10.19087/Imv.2024.13.6.668>
- Sakamoto, S., Putalun, W., Vimolmangkang, S., Phoolcharoen, W., Shoyama, Y., Tanaka, H., & Morimoto, S. (2018). Enzyme-Linked Immunosorbent Assay For The Quantitative/Qualitative Analysis Of Plant Secondary

- Metabolites. In *Journal Of Natural Medicines* (Vol. 72, Issue 1, Pp. 32–42). Springer Tokyo. <https://doi.org/10.1007/S11418-017-1144-Z>
- Samrot, A. V., Sean, T. C., Bhavya, K. S., Sahithya, C. S., Chandrasekaran, S., Palanisamy, R., Robinson, E. R., Subbiah, S. K., & Mok, P. L. (2021). Leptospiral Infection, Pathogenesis And Its Diagnosis—A Review. In *Pathogens* (Vol. 10, Issue 2, Pp. 1–30). MDPI AG. <https://doi.org/10.3390/Pathogens10020145>
- Sawitri, D., Dewangga, V. S., & Qurrohman, M. T. (2024). Detection Fimh Gene In The Urine Of UTI Patients At The Puskesmas Banyuanyar, As A Marker For The Presence Of Escherichia Coli. *Jurnal Biologi Tropis*, 24(2), 406–413. <https://doi.org/10.29303/Jbt.V24i2.6852>
- Sayanthi, Y., & Susanna, D. (2024). Pathogenic Leptospira Contamination In The Environment: A Systematic Review. In *Infection Ecology And Epidemiology* (Vol. 14, Issue 1). Taylor And Francis Ltd. <https://doi.org/10.1080/20008686.2024.2324820>
- Selemani, M., Makundi, R. H., Massawe, A. W., & Katakweba, A. S. (2024). Serological Survey Of Leptospira Spp. In Livestock And Rodents From Different Settlements In The Kilombero Wetland, Tanzania. *Pathogens*, 13(12). <https://doi.org/10.3390/Pathogens13121059>
- Setyaningsih, Y., Bahtiar, N., Kartini, A., Fatimah Pradigdo, S., & Dian Saraswati, L. (2022). The Presence Of Leptospira Sp. And Leptospirosis Risk Factor Analysis In Boyolali District. In *Journal Of Public Health Research* (Vol. 11).
- Setyawati, R., & Zubaidah, S. (2021). Optimasi Konsentrasi Primer Dan Suhu Annealing Dalam Mendeteksi Gen Leptin Pada Sapi Peranakan Ongole (PO) Menggunakan Polymerase Chain Reaction (PCR). In *JOURNAL OF LABORATORY ISSN* (Vol. 4, Issue 1). Online.
- Sreevalsan, T., & Chandra, R. (2024). Relevance Of Polymerase Chain Reaction In Early Diagnosis Of Leptospirosis. *Indian Journal Of Critical Care Medicine*, 28(3), 290–293.
- Subhaktiyasa, P. G. (2024). Menentukan Populasi Dan Sampel: Pendekatan Metodologi Penelitian Kuantitatif Dan Kualitatif. *Jurnal Ilmiah Profesi Pendidikan*, 9(4), 2721–2731. <https://doi.org/10.29303/Jipp.V9i4.2657>
- Sunardi, Mirasa, Y. A., & Alimansur, M. (2023). Environmental Determinants Of Leptospirosis Incidence In Klaten District. *Jurnal Kesehatan Masyarakat Mulawarman*, 5(2), 1–9.
- Surdel, M. C., & Coburn, J. (2024). Leptospiral Adhesins: From Identification To Future Perspectives. In *Frontiers In Microbiology* (Vol. 15). Frontiers Media SA. <https://doi.org/10.3389/Fmicb.2024.1458655>
- Tri Sulistyowati, Bella Syafitri Dwi Nurjanah, & Octavia Nurin Hamidah. (2023). Edukasi Kesehatan Dalam Upaya Menurunkan Kejadian Leptospirosis Di Puskesmas Kasihan II, Bantul, Yogyakarta. 1(2), 48. File:///C:/Users/DELL/Downloads/109-Article%20Text-566-2-10-20230628%20(1).Pdf
- Warnasekara, J., Srimantha, S., Kappagoda, C., Jayasundara, D., Senevirathna, I., Matthias, M., Agampodi, S., & Vinetz, J. M. (2022). Diagnostic Method-Based Underestimation Of Leptospirosis In Clinical And Research Settings; An Experience From A Large Prospective Study

- In A High Endemic Setting. *Plos Neglected Tropical Diseases*, 16(4).
<https://doi.org/10.1371/journal.pntd.0010331>
- Waruwu, M., Pu`At, S. N., Utami, P. R., Yanti, E., & Rusydiana, M. (2025). Metode Penelitian Kuantitatif: Konsep, Jenis, Tahapan Dan Kelebihan. *Jurnal Ilmiah Profesi Pendidikan*, 10(1), 917–932.
<https://doi.org/10.29303/jipp.v10i1.3057>
- 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>
- Winarni Agustini, T., Suzery, M., Ni, A., Al-Baarri, Matullah, Rahmi Putri, S., & Kurdianto, Dan. (2021). Real Time-Polymerase Chain Reaction (RT-PCR) Sebagai Alat Deteksi DNA Babi Dalam Beberapa Produk Non-Pangan.
- Yi, S. H., Xun, D., Lei, Q. L., Yang, C. C., & Shao, J. W. (2025). Epidemiology And Genetic Diversity Of Pathogenic *Leptospira* Among *Rattus Norvegicus* In Urban Residential Areas Of Guangzhou, Southern China. *Comparative Immunology, Microbiology And Infectious Diseases*, 118. <https://doi.org/10.1016/j.cimid.2025.102322>
- Yoni Setyo Nugroho, B., Iqbal, M., Dian Nuswantoro, U., & Semarang, K. (2023). Education And Advocacy Of Posyandu And Pkk Managers Of Kacangan Village Towards The Prevention And Control Of Leptospirosis. *Pengabdian Kepada Masyarakat*, 1(5).
- Yusra. (2019). Pemeriksaan Laboratorium Pada Coronavirus Disease 2019 (COVID-19). *Journal Of Clinical Medicine*.
- Zuyina, I., & Sari, R. (2021). Tinjauan Literatur : Leptospirosis Di Indonesia. <https://majalahfk.ub.ac.id/index.php/mkfkub/article/view/389/256>