

Daftar Pustaka

- Alia, S.N. *et al.* (2019) 'Diagnostic accuracy of rapid diagnostic tests for the early detection of leptospirosis', *Journal of Infection and Public Health*, 12(2), pp. 263–269. Available at: <https://doi.org/10.1016/j.jiph.2018.10.137>.
- Amran, F., Liow, Y.L. and Halim, N.A.N. (2018) 'Evaluation of a Commercial Immuno-Chromatographic Assay Kit for Rapid Detection of IgM Antibodies against *Leptospira* Antigen in Human Serum', *Journal of Korean Medical Science*, 33(17). Available at: <https://doi.org/10.3346/jkms.2018.33.e131>.
- Arent, Z. *et al.* (2022) 'Leptospira taxonomy: then and now', *Medycyna Weterynaryjna*, 78(09), pp. 6694–2022. Available at: <https://doi.org/10.21521/mw.6694>.
- Azizi, S., Kheirandish, R. and Rahimi, E. (2014) 'Comparison of polymerase chain reaction and Warthin-Starry techniques to detect *Leptospira* spp. in kidneys of slaughtered cattle.', *The Onderstepoort journal of veterinary research*, 81(1), pp. e1–e6. Available at: <https://doi.org/10.4102/ojvr.v81i1.821>.
- B A, M. (2015) 'LABORATORY DIAGNOSIS OF LEPTOSPIROSIS: A REVIEW', *Journal of Evolution of Medical and Dental Sciences*, 4(50), pp. 8759–8769. Available at: <https://doi.org/10.14260/jemds/2015/1269>.
- Baisai Feresu, S. *et al.* (1999) 'Identification of a Serogroup Bataviae *Leptospira* Strain Isolated from an Ox in Zimbabwe', *Zentralblatt für Bakteriologie*, 289(1), pp. 19–29. Available at: [https://doi.org/10.1016/S0934-8840\(99\)80118-2](https://doi.org/10.1016/S0934-8840(99)80118-2).
- Bandara, A.G.N.M.K. *et al.* (2021) 'Aseptic meningitis as the initial presentation of *Leptospira borgpetersenii* serovar Tarassovi: two case reports and a literature review', *BMC Infectious Diseases*, 21(1), p. 488. Available at: <https://doi.org/10.1186/s12879-021-06200-w>.
- Bharti, A.R. *et al.* (2003) 'Leptospirosis: a zoonotic disease of global importance', *The Lancet Infectious Diseases*, 3(12), pp. 757–771. Available at: [https://doi.org/10.1016/S1473-3099\(03\)00830-2](https://doi.org/10.1016/S1473-3099(03)00830-2).
- Blanco, R.M. and Romero, E.C. (2014) 'Evaluation of nested polymerase chain reaction for the early detection of *Leptospira* spp. DNA in serum samples from patients with leptospirosis', *Diagnostic Microbiology and Infectious Disease*, 78(4), pp. 343–346. Available at: <https://doi.org/10.1016/j.diagmicrobio.2013.12.009>.
- Bradley, E.A. and Lockaby, G. (2023) 'Leptospirosis and the Environment: A Review and Future Directions.', *Pathogens (Basel, Switzerland)*, 12(9). Available at: <https://doi.org/10.3390/pathogens12091167>.
- Brenner, D.J. *et al.* (1999) 'Further determination of DNA relatedness between serogroups and serovars in the family Leptospiraceae with a proposal for *Leptospira alexanderi* sp. nov. and four new *Leptospira* genomospecies.', *International journal of systematic bacteriology*, 49 Pt 2, pp. 839–58. Available at: <https://doi.org/10.1099/00207713-49-2-839>.

- Budihai, S.V. and Perwez, K. (2014) 'Leptospirosis diagnosis: competency of various laboratory tests.', *Journal of clinical and diagnostic research : JCDDR*, 8(1), pp. 199–202. Available at: <https://doi.org/10.7860/JCDDR/2014/6593.3950>.
- Bulach, D. and Adler, B. (2018) 'Leptospiral Genomics and Pathogenesis.', *Current topics in microbiology and immunology*, 415, pp. 189–214. Available at: https://doi.org/10.1007/82_2018_87.
- Cameron, C.E. (2015) 'Leptospiral structure, physiology, and metabolism.', *Current topics in microbiology and immunology*, 387, pp. 21–41. Available at: https://doi.org/10.1007/978-3-662-45059-8_3.
- Chacko, C.S. et al. (2021) 'A short review on leptospirosis: Clinical manifestations, diagnosis and treatment', *Clinical Epidemiology and Global Health*, 11, p. 100741. Available at: <https://doi.org/10.1016/j.cegh.2021.100741>.
- Chellappan, A.K. et al. (2022) 'A Retrospective Study on Clinical and Biochemical Profile of Neuroleptospirosis', *Journal of Evolution of Medical and Dental Sciences*, 11, p. 61+.
- Chieng Raymond, S.C. (2022) 'Leptospirosis', *WikiJournal of Medicine*, 9(1). Available at: <https://doi.org/10.15347/WJM/2022.002>.
- Chirathaworn, C. et al. (2014) 'Interpretation of microscopic agglutination test for leptospirosis diagnosis and seroprevalence.', *Asian Pacific journal of tropical biomedicine*, 4(Suppl 1), pp. S162-4. Available at: <https://doi.org/10.12980/APJTB.4.2014C580>.
- Conrad, N.L. et al. (2017) 'LigB subunit vaccine confers sterile immunity against challenge in the hamster model of leptospirosis.', *PLoS neglected tropical diseases*, 11(3), p. e0005441. Available at: <https://doi.org/10.1371/journal.pntd.0005441>.
- Costa, F. et al. (2015) 'Global Morbidity and Mortality of Leptospirosis: A Systematic Review', *PLOS Neglected Tropical Diseases*. Edited by P.L.C. Small, 9(9), p. e0003898. Available at: <https://doi.org/10.1371/journal.pntd.0003898>.
- Cullen, P.A., Haake, D.A. and Adler, B. (2004) 'Outer membrane proteins of pathogenic spirochetes.', *FEMS microbiology reviews*, 28(3), pp. 291–318. Available at: <https://doi.org/10.1016/j.femsre.2003.10.004>.
- Day, N. (2022) *Leptospirosis: Epidemiology, microbiology, clinical manifestations, and diagnosis*, UpToDate. Available at: <https://www.uptodate.com/contents/leptospirosis-epidemiology-microbiology-clinical-manifestations-and-diagnosis> (Accessed: 22 June 2022).
- Dewi, P.S., Rahardjo, S.S. and Murti, B. (2020) 'Analysis of Environmental Risk Factors on the Leptospirosis Disease in Klaten, Central Java, Indonesia', *Journal of Epidemiology and Public Health*, 5(2), pp. 158–167. Available at: <https://doi.org/10.26911/jepublichealth.2020.05.02.04>.
- Dhawan, S. et al. (2021) 'Evaluation of the Panbio Leptospira IgM ELISA among Outpatients Attending Primary Care in Southeast Asia.', *The American journal of tropical medicine and hygiene*, 104(5), pp. 1777–1781. Available at: <https://doi.org/10.4269/ajtmh.20-0818>.

- Dreyfus, A. *et al.* (2014) 'Sero-prevalence and risk factors for leptospirosis in abattoir workers in New Zealand.', *International journal of environmental research and public health*, 11(2), pp. 1756–75. Available at: <https://doi.org/10.3390/ijerph110201756>.
- European Centre for Disease Prevention and Control. (2022) 'Leptospirosis', in ECDC (ed.) *Annual Epidemiological Report for 2020*. Stockholm.
- Faisal, S.M., McDonough, S.P. and Chang, Y.-F. (2012) 'Leptospira: Invasion, Pathogenesis and Persistence BT - The Pathogenic Spirochetes: strategies for evasion of host immunity and persistence', in M.E. Embers (ed.). Boston, MA: Springer US, pp. 143–172. Available at: https://doi.org/10.1007/978-1-4614-5404-5_8.
- Fernandes, L.G. V. *et al.* (2022) 'Evaluation of LipL32 and LigA/LigB Knockdown Mutants in *Leptospira interrogans* Serovar Copenhageni: Impacts to Proteome and Virulence', *Frontiers in Microbiology*, 12. Available at: <https://doi.org/10.3389/fmicb.2021.799012>.
- Fontana, C. *et al.* (2016) 'Analysis of a Spontaneous Non-Motile and Avirulent Mutant Shows That FliM Is Required for Full Endoflagella Assembly in *Leptospira interrogans*', *PLOS ONE*. Edited by B. Stevenson, 11(4), p. e0152916. Available at: <https://doi.org/10.1371/journal.pone.0152916>.
- Fraga, T.R. *et al.* (2015) 'Leptospira and Leptospirosis', in Y.-W. Tang *et al.* (eds) *Molecular Medical Microbiology*. Second. San Diego, CA: Elsevier, pp. 1973–1990. Available at: <https://doi.org/10.1016/B978-0-12-397169-2.00107-4>.
- G.A. Goris, M. and M.G. Leeflang, , Mariska (2012) 'Establishment of Valid Laboratory Cases Definition of Human Leptospirosis', *Journal of Bacteriology & Parasitology*, 03(02). Available at: <https://doi.org/10.4172/2155-9597.1000132>.
- Gasem, M.H. *et al.* (2020) 'Leptospirosis in Indonesia: diagnostic challenges associated with atypical clinical manifestations and limited laboratory capacity.', *BMC infectious diseases*, 20(1), p. 179. Available at: <https://doi.org/10.1186/s12879-020-4903-5>.
- Goarant, C. (2016) 'Leptospirosis: risk factors and management challenges in developing countries.', *Research and reports in tropical medicine*, 7, pp. 49–62. Available at: <https://doi.org/10.2147/RRTM.S102543>.
- Gunasekara, C.P. *et al.* (2017) 'Utility of a modified silver staining technique for detection of *Leptospira*', *Sri Lankan Journal of Infectious Diseases*, 7(2), p. 85. Available at: <https://doi.org/10.4038/sljid.v7i2.8142>.
- Haake, D.A. and Levett, P.N. (2015) 'Leptospirosis in humans.', *Current topics in microbiology and immunology*, 387, pp. 65–97. Available at: https://doi.org/10.1007/978-3-662-45059-8_5.
- Haake, D.A. and Matsunaga, J. (2020) 'Leptospiral Immunoglobulin-Like Domain Proteins: Roles in Virulence and Immunity.', *Frontiers in immunology*, 11, p. 579907. Available at: <https://doi.org/10.3389/fimmu.2020.579907>.
- Haake, D.A. and Zückert, W.R. (2015) 'The leptospiral outer membrane', *Current topics in microbiology and immunology*, 387, pp. 187–221. Available at: https://doi.org/10.1007/978-3-662-45059-8_8.

- Hatta, M. *et al.* (2000) 'Introduction of a rapid dipstick assay for the detection of *Leptospira*-specific immunoglobulin m antibodies in the laboratory diagnosis of leptospirosis in a hospital in Makassar, Indonesia.', *The Southeast Asian journal of tropical medicine and public health*, 31(3), pp. 515–20.
- Hauk, P. *et al.* (2012) 'Calcium Binding to *Leptospira* Outer Membrane Antigen LipL32 Is Not Necessary for Its Interaction with Plasma Fibronectin, Collagen Type IV, and Plasminogen', *Journal of Biological Chemistry*, 287(7), pp. 4826–4834. Available at: <https://doi.org/10.1074/jbc.M111.277210>.
- Helmerhorst, H.J.F. *et al.* (2012) 'Severe pulmonary manifestation of leptospirosis.', *The Netherlands journal of medicine*, 70(5), pp. 215–221.
- Hill, P.J. and Stewart, G.S. (1992) 'The polymerase chain reaction in molecular and microbiology.', *Biotechnology & genetic engineering reviews*, 10, pp. 343–377. Available at: <https://doi.org/10.1080/02648725.1992.10647892>.
- Hwee, S.E. *et al.* (2022) 'Rapid diagnostic test (Leptocheck-WB) for detection of acute leptospirosis: a meta-analysis of diagnostic accuracy.', *European journal of clinical microbiology & infectious diseases : official publication of the European Society of Clinical Microbiology*, 41(4), pp. 631–640. Available at: <https://doi.org/10.1007/s10096-022-04420-9>.
- Jiménez, J.I.S. *et al.* (2018) 'Leptospirosis: Report from the task force on tropical diseases by the World Federation of Societies of Intensive and Critical Care Medicine', *Journal of Critical Care*, 43, pp. 361–365. Available at: <https://doi.org/10.1016/j.jcrc.2017.11.005>.
- Kawabata, H. *et al.* (2001) 'flaB-polymerase chain reaction (flaB-PCR) and its restriction fragment length polymorphism (RFLP) analysis are an efficient tool for detection and identification of *Leptospira* spp.', *Microbiology and immunology*, 45(6), pp. 491–496. Available at: <https://doi.org/10.1111/j.1348-0421.2001.tb02649.x>.
- Kemenkes RI (2017) 'Infodatin Pusat Data dan Informasi Kementerian Kesehatan RI'. Jakarta, pp. 1–12.
- Kemenkes RI (2023) *Surveilans Terpadu Lintas Sektor*. Makassar.
- Kobayashi, Y. (2005) 'Human leptospirosis: management and prognosis.', *Journal of postgraduate medicine*, 51(3), pp. 201–4.
- Krishna, R. *et al.* (2008) 'Characterization of *Leptospiral* isolates by using PCR-Restriction Fragment Length Polymorphism analysis', *Advanced Biotech*, 7, pp. 12–16.
- Lambert, A. *et al.* (2012) 'FlaA proteins in *Leptospira interrogans* are essential for motility and virulence but are not required for formation of the flagellum sheath.', *Infection and immunity*, 80(6), pp. 2019–2025. Available at: <https://doi.org/10.1128/IAI.00131-12>.
- Lane, A.B. and Dore, M.M. (2016) 'Leptospirosis: A clinical review of evidence based diagnosis, treatment and prevention', *World Journal of Clinical Infectious Diseases*, 6(4), p. 61. Available at: <https://doi.org/10.5495/wjcid.v6.i4.61>.

- Lau, C.L. *et al.* (2018) 'Leptospirosis: An important zoonosis acquired through work, play and travel', *Australian Journal of General Practice*, 47(3), pp. 105–110. Available at: <https://doi.org/10.31128/AFP-07-17-4286>.
- Levett, P.N. (2001) 'Leptospirosis.', *Clinical microbiology reviews*, 14(2), pp. 296–326. Available at: <https://doi.org/10.1128/CMR.14.2.296-326.2001>.
- Levett, P.N. *et al.* (2001) 'Two methods for rapid serological diagnosis of acute leptospirosis.', *Clinical and diagnostic laboratory immunology*, 8(2), pp. 349–51. Available at: <https://doi.org/10.1128/CDLI.8.2.349-351.2001>.
- Levett, P.N. and Haake, D.A. (2010) 'Leptospira Species (Leptospirosis)', in G.L. Mandell, J.E. Bennett, and R. Dolin (eds) *Principles and practice of infectious diseases*. 7th edn. Philadelphia, pp. 3059–3065. Available at: <https://doi.org/10.1016/B978-0-443-06839-3.00240-X>.
- Li, D. *et al.* (2022) 'Clinical characteristics and prognosis of patient with leptospirosis: A multicenter retrospective analysis in south of China', *Frontiers in Cellular and Infection Microbiology*, 12. Available at: <https://doi.org/10.3389/fcimb.2022.1014530>.
- Lizer, J. *et al.* (2017) 'Evaluation of a rapid IgM detection test for diagnosis of acute leptospirosis in dogs.', *The Veterinary record*, 180(21), p. 517. Available at: <https://doi.org/10.1136/vr.104134>.
- Mahon, C.R. and Lehman, D.C. (2019) *Textbook of Diagnostic Microbiology*. 6th edn. Missouri: Elsevier.
- Marquez, A. *et al.* (2017) 'Overview of laboratory methods to diagnose Leptospirosis and to identify and to type leptospires.', *International microbiology : the official journal of the Spanish Society for Microbiology*, 20(4), pp. 184–193. Available at: <https://doi.org/10.2436/20.1501.01.302>.
- Md-Lasim, A. *et al.* (2021) 'Leptospirosis and Coinfection: Should We Be Concerned?', *International Journal of Environmental Research and Public Health*, 18(17), p. 9411. Available at: <https://doi.org/10.3390/ijerph18179411>.
- Merien, F. *et al.* (2005) 'A rapid and quantitative method for the detection of Leptospira species in human leptospirosis.', *FEMS microbiology letters*, 249(1), pp. 139–47. Available at: <https://doi.org/10.1016/j.femsle.2005.06.011>.
- Mohammed, H. *et al.* (2011) 'LEPTOSPIRA: Morphology, Classification and Pathogenesis', *Journal of Bacteriology & Parasitology*, 02(06). Available at: <https://doi.org/10.4172/2155-9597.1000120>.
- Monahan, A.M., Miller, I.S. and Nally, J.E. (2009) 'Leptospirosis: risks during recreational activities.', *Journal of applied microbiology*, 107(3), pp. 707–716. Available at: <https://doi.org/10.1111/j.1365-2672.2009.04220.x>.
- Morey, R.E. *et al.* (2006) 'Species-specific identification of Leptospiraceae by 16S rRNA gene sequencing.', *Journal of clinical microbiology*, 44(10), pp. 3510–3516. Available at: <https://doi.org/10.1128/JCM.00670-06>.
- Murray, G.L. *et al.* (2009) 'Leptospira interrogans requires heme oxygenase for disease pathogenesis.', *Microbes and infection*, 11(2), pp. 311–314. Available at: <https://doi.org/10.1016/j.micinf.2008.11.014>.

- Musso, D. and La Scola, B. (2013) 'Laboratory diagnosis of leptospirosis: A challenge', *Journal of Microbiology, Immunology and Infection*, 46(4), pp. 245–252. Available at: <https://doi.org/10.1016/j.jmii.2013.03.001>.
- Nally, J.E. et al. (2007) 'Characterization of the outer membrane proteome of *Leptospira interrogans* expressed during acute lethal infection.', *Infection and immunity*, 75(2), pp. 766–773. Available at: <https://doi.org/10.1128/IAI.00741-06>.
- Nassi, F. et al. (2003) 'Leptospirosis diagnosis using Nested-PCR', *Brazilian Journal of Microbiology*, 34, pp. 90–92. Available at: <https://doi.org/10.1590/S1517-83822003000500031>.
- Natarajaseenivasan, K. et al. (2002) 'Leptospirosis among rice mill workers of Salem, South India.', *Japanese journal of infectious diseases*, 55(5), pp. 170–3.
- Natarajaseenivasan, K. et al. (2010) 'FlaB PCR-based identification of pathogenic leptospiral isolates', *Journal of Microbiology, Immunology and Infection*, 43(1), pp. 62–69. Available at: [https://doi.org/10.1016/S1684-1182\(10\)60009-6](https://doi.org/10.1016/S1684-1182(10)60009-6).
- Natarajaseenivasan, K., Raja, V. and Narayanan, R. (2012) 'Rapid diagnosis of leptospirosis in patients with different clinical manifestations by 16S rRNA gene based nested PCR', *Saudi Journal of Biological Sciences*, 19(2), pp. 151–155. Available at: <https://doi.org/10.1016/j.sjbs.2011.11.005>.
- Niloofo, R., Fernando, N., de Silva, N.L., Karunanayake, L., Wickramasinghe, H., Dikmadugoda, N., Premawansa, G., Wickramasinghe, R., de Silva, H. Janaka, et al. (2015) 'Diagnosis of Leptospirosis: Comparison between Microscopic Agglutination Test, IgM-ELISA and IgM Rapid Immunochromatography Test.', *PloS one*, 10(6), p. e0129236. Available at: <https://doi.org/10.1371/journal.pone.0129236>.
- Niloofo, R., Fernando, N., de Silva, N.L., Karunanayake, L., Wickramasinghe, H., Dikmadugoda, N., Premawansa, G., Wickramasinghe, R., de Silva, H. Janaka, et al. (2015) 'Diagnosis of Leptospirosis: Comparison between Microscopic Agglutination Test, IgM-ELISA and IgM Rapid Immunochromatography Test', *PLOS ONE*, 10(6), p. e0129236. Available at: <https://doi.org/10.1371/journal.pone.0129236>.
- Ningsih, I. and Wahid., M.H. (2022) 'Leptospirosis ditinjau dari aspek mikrobiologi', *Ekotonia: Jurnal Penelitian Biologi, Botani, Zoologi dan Mikrobiologi*, 7(1), pp. 31–43.
- Obregón, A.M. et al. (2020) 'Usefulness of IgM-ELISA test for screening of Leptospirosis in Cuba', *Austin Tropical Medicine and Care*, 8(2), pp. 1–5. Available at: <https://doi.org/10.24203/ajas.v8i2.6067>.
- Parker, C.T., Tindall, B.J. and Garrity, G.M. (2019) 'International Code of Nomenclature of Prokaryotes', *International Journal of Systematic and Evolutionary Microbiology*, 69(1A), pp. S1–S111. Available at: <https://doi.org/10.1099/ijsem.0.000778>.
- Pelt-verkuil, E., van Belkum, A. and Hays, J. (2008) *Principles and Technical Aspects of PCR Amplification*, *Principles and Technical Aspects of PCR Amplification*. Available at: <https://doi.org/10.1007/978-1-4020-6241-4>.

- Picardeau, M. (2017) 'Virulence of the zoonotic agent of leptospirosis: still terra incognita?', *Nature reviews. Microbiology*, 15(5), pp. 297–307. Available at: <https://doi.org/10.1038/nrmicro.2017.5>.
- Puca, Edmond *et al.* (2018) 'The role of gender in the prevalence of human leptospirosis in Albania.', *Journal of infection in developing countries*, 12(3), pp. 150–155. Available at: <https://doi.org/10.3855/jidc.9805>.
- Raja, V. and Natarajaseenivasan, K. (2015) 'Pathogenic, diagnostic and vaccine potential of leptospiral outer membrane proteins (OMPs).', *Critical reviews in microbiology*, 41(1), pp. 1–17. Available at: <https://doi.org/10.3109/1040841X.2013.787387>.
- Riedel, S. *et al.* (2019) 'Spirochetes: Treponema, Borrelia, and Leptospira', in Jawetz, Melnick, & Adelberg's *Medical Microbiology*, 28e. New York, NY: McGraw-Hill Education.
- Ristow, P. *et al.* (2007) 'The OmpA-Like Protein Loa22 Is Essential for Leptospiral Virulence', *PLOS Pathogens*, 3(7), p. e97.
- Rosa, M.I. *et al.* (2017) 'IgM ELISA for leptospirosis diagnosis: a systematic review and meta-analysis', *Ciência & Saúde Coletiva*, 22(12), pp. 4001–4012. Available at: <https://doi.org/10.1590/1413-812320172212.14112016>.
- Sampedro, A. and de Asís Ramirez, F. (2022) 'Leptospira, Borrelia and Treponema', in *Encyclopedia of Infection and Immunity*. Elsevier, pp. 719–729. Available at: <https://doi.org/10.1016/B978-0-12-818731-9.00069-0>.
- Samrot, A. V. *et al.* (2021) 'Leptospiral Infection, Pathogenesis and Its Diagnosis—A Review', *Pathogens*, 10(2), p. 145. Available at: <https://doi.org/10.3390/pathogens10020145>.
- San Martin, F. *et al.* (2022) 'Diving into the complexity of the spirochetal endoflagellum', *Trends in Microbiology* [Preprint]. Available at: <https://doi.org/10.1016/j.tim.2022.09.010>.
- Shafighi, T. *et al.* (2014) 'Molecular detection of Leptospira spp. in the urine of cattle in northern Iran.', *Iranian journal of veterinary research*, 15(4), pp. 402–405.
- Skufca, J. and Arima, Y. (2012) 'Sex, gender and emerging infectious disease surveillance: a leptospirosis case study.', *Western Pacific surveillance and response journal : WPSAR*, 3(3), pp. 37–9. Available at: <https://doi.org/10.5365/WPSAR.2012.3.3.001>.
- Slack, A.T. *et al.* (2006) 'Identification of pathogenic Leptospira species by conventional or real-time PCR and sequencing of the DNA gyrase subunit B encoding gene.', *BMC microbiology*, 6, p. 95. Available at: <https://doi.org/10.1186/1471-2180-6-95>.
- Slack, A.T. *et al.* (2009) 'Reclassification of Leptospira meyeri serovar Perameles to Leptospira interrogans serovar Perameles through serological and molecular analysis: evidence of a need for changes to current procedures in Leptospira taxonomy', *INTERNATIONAL JOURNAL OF SYSTEMATIC AND EVOLUTIONARY MICROBIOLOGY*, 59(5), pp. 1199–1203. Available at: <https://doi.org/10.1099/ijs.0.000992-0>.

- Smits, H.L. *et al.* (1999) 'International Multicenter Evaluation of the Clinical Utility of a Dipstick Assay for Detection of *Leptospira* -Specific Immunoglobulin M Antibodies in Human Serum Specimens', *Journal of Clinical Microbiology*, 37(9), pp. 2904–2909. Available at: <https://doi.org/10.1128/JCM.37.9.2904-2909.1999>.
- So, R.A.Y. *et al.* (2022) 'A Scoring Tool to Predict Pulmonary Complications in Severe Leptospirosis with Kidney Failure', *Tropical Medicine and Infectious Disease*, 7(1), p. 7. Available at: <https://doi.org/10.3390/tropicalmed7010007>.
- Steneroden, K.K., Hill, A.E. and Salman, M.D. (2011) 'Zoonotic Disease Awareness in Animal Shelter Workers and Volunteers and the Effect of Training', *Zoonoses and Public Health*, 58(7), pp. 449–453. Available at: <https://doi.org/https://doi.org/10.1111/j.1863-2378.2011.01389.x>.
- Suut, L. *et al.* (2016) 'Serological Prevalence of Leptospirosis Among Rural Communities in the Rejang Basin, Sarawak, Malaysia', *Asia Pacific Journal of Public Health*, 28(5), pp. 450–457. Available at: <https://doi.org/10.1177/1010539516648003>.
- Sykes, J.E. *et al.* (2022) 'Role of Diagnostics in Epidemiology, Management, Surveillance, and Control of Leptospirosis.', *Pathogens (Basel, Switzerland)*, 11(4). Available at: <https://doi.org/10.3390/pathogens11040395>.
- Taylor, A.J., Paris, D.H. and Newton, P.N. (2015) 'A Systematic Review of the Mortality from Untreated Leptospirosis.', *PLoS neglected tropical diseases*, 9(6), p. e0003866. Available at: <https://doi.org/10.1371/journal.pntd.0003866>.
- Tenriesa M., L. (2021) *Deteksi Leptospira patogen dengan metode Polymerase chain reaction pada urin orang risiko tinggi infeksi Leptospira di Makassar*. Universitas Hasanuddin.
- Verma, V. *et al.* (2020) 'Recent advances in the diagnosis of leptospirosis', *Frontiers in bioscience (Landmark edition)*, 25(9), p. 4872. Available at: <https://doi.org/10.2741/4872>.
- Villumsen, S. *et al.* (2010) 'Expanding the diagnostic use of PCR in leptospirosis: improved method for DNA extraction from blood cultures.', *PloS one*, 5(8), p. e12095. Available at: <https://doi.org/10.1371/journal.pone.0012095>.
- Waggoner, J.J. and Pinsky, B.A. (2016) 'Molecular diagnostics for human leptospirosis.', *Current opinion in infectious diseases*, 29(5), pp. 440–445. Available at: <https://doi.org/10.1097/QCO.0000000000000295>.
- Werts, C. *et al.* (2001) 'Leptospiral lipopolysaccharide activates cells through a TLR2-dependent mechanism.', *Nature immunology*, 2(4), pp. 346–352. Available at: <https://doi.org/10.1038/86354>.
- Wild, C.J. *et al.* (2002) 'An improved immunohistochemical diagnostic technique for canine leptospirosis using antileptospiral antibodies on renal tissue.', *Journal of veterinary diagnostic investigation : official publication of the American Association of Veterinary Laboratory Diagnosticians, Inc*, 14(1), pp. 20–24. Available at: <https://doi.org/10.1177/104063870201400105>.
- Wolgemuth, C.W. (2015) 'Flagellar motility of the pathogenic spirochetes.', *Seminars in cell & developmental biology*, 46, pp. 104–12. Available at: <https://doi.org/10.1016/j.semcdb.2015.10.015>.

- World Health Organization (2003) *Human leptospirosis: guidance for diagnosis, surveillance and control*, World Health Organization. Available at: <https://www.who.int/publications/i/item/human-leptospirosis-guidance-for-diagnosis-surveillance-and-control>.
- World Health Organization (2022) *Leptospirosis prevention and control in Indonesia*, World Health Organization. Available at: <https://www.who.int/indonesia/news/detail/24-08-2020-leptospirosis-prevention-and-control-in-indonesia> (Accessed: 1 June 2024).
- Wunder, E.A. *et al.* (2016) 'Real-Time PCR Reveals Rapid Dissemination of *Leptospira interrogans* after Intraperitoneal and Conjunctival Inoculation of Hamsters', *Infection and Immunity*. Edited by G.H. Palmer, 84(7), pp. 2105–2115. Available at: <https://doi.org/10.1128/IAI.00094-16>.
- Yan, W. *et al.* (2013) 'Development of an Enzyme-Linked Immunosorbent Assay Using a Recombinant LigA Fragment Comprising Repeat Domains 4 to 7.5 as an Antigen for Diagnosis of Equine Leptospirosis', *Clinical and Vaccine Immunology*, 20(8), pp. 1143–1149. Available at: <https://doi.org/10.1128/CVI.00245-13>.
- Yuniasih, D. *et al.* (2022) 'SYSTEMATIC REVIEW: EPIDEMIOLOGY of LEPTOSPIROSIS IN INDONESIA', 10(5). Available at: <https://doi.org/10.14710/jkm.v10i5.34580>.