DAFTAR PUSTAKA

Afifa Kantamaryana, F. N., Balia, R. L., & Putranto, W. S. (2024). Isolation, Identification, and Resistance Test of Escherichia coli to Antibiotics in Ujung Berung Broiler Poultry. *Jurnal Sain Veteriner*, *42*(3), 317. https://doi.org/10.22146/jsv.92624

Alsharksi, A. N., Sirekbasan, S., & Mustapha, A. (2024). *From Tradition to Innovation : Diverse Molecular Techniques in the Fight Against Infectious Diseases*. 1–24.

Annisah, N., Setyawati, T., Amri, I., & Basry, A. (2024). Faktor Risiko Infeksi Saluran Kemih (Isk): Literature Review The Risk Factors Of Urinary Tract Infection (Uti) : Literature Review. In *Jurnal Medical Profession* (Vol. 86, Issue 1).

Anvari, M. S., Gharib, A., Abolhasani, M., Azari-Yam, A., Gharalari, F. H., Safavi, M., Mirzaie, A. Z., & Vasei, M. (2020). Pre-analytical practices in the molecular diagnostic tests, a concise review. *Iranian Journal of Pathology*, *16*(1), 1–19. https://doi.org/10.30699/ijp.2020.124315.2357

Bae, J. Y., Bae, J., So, M. K., Choi, H. J., & Lee, M. (2023). The Impact of the Rapid Blood Culture Identification Panel on Antibiotic Treatment and Clinical Outcomes in Bloodstream Infections, Particularly Those Associated with Multidrug-Resistant Micro-Organisms. *Diagnostics*, *13*(23). https://doi.org/10.3390/diagnostics13233504

Bausch, K., Devlies, W., Leitner, L., Mantica, G., Peter, F., & Kranz, J. (2025). *Classification of Urinary Tract Infections in 2025 : Moving Beyond Uncomplicated and Complicated*. *5*, 0–3. https://doi.org/10.1016/j.euros.2025.03.010

Biondo, C. (2023). *Urinary Tract Infections : The Current Scenario and Future Prospects*.

Bonkat, G., Vice, J. K., Cai, T., Schneidewind, L., Schubert, S., Veeratterapillay, R., Wagenlehner, F., Bausch, G. A. K., Devlies, W., & Ali, G. O. H. (2025). *EAU Guidelines on Urological Infections*.

Bustin, S. A., Ruijter, J. M., Hoff, M. J. B. Van Den, Kubista, M., & Pfaffl, M. W. (2025). MIQE 2 . 0 : Revision of the Minimum Information for Publication of Quantitative Real-Time PCR Experiments Guidelines CONTENT : *Clinical Chemistry*, *71*(6), 634–651. https://doi.org/10.1093/clinchem/hvaf043

Chen, F., Lv, T., Xiao, Y., Chen, A., Xiao, Y., & Chen, Y. (2021). Clinical Characteristics of Patients and Whole Genome Sequencing-Based Surveillance of Escherichia coli Community-Onset Bloodstream Infections at a Non-tertiary Hospital in CHINA. *Frontiers in Microbiology*, *12*(October). https://doi.org/10.3389/fmicb.2021.748471

Cobo-simón, M., Hart, R., & Ochman, H. (2022). Escherichia Coli : What Is and

Which Are ? *Molecular Biology and Evolution*, *40*(1), 1–11. https://doi.org/10.1093/molbev/msac273

Decuypere, S., Meehan, C. J., Puyvelde, S. Van, & Block, T. De. (2016). *Diagnosis of Bacterial Bloodstream Infections : A 16S Metagenomics Approach*. 1–12. https://doi.org/10.1371/journal.pntd.0004470

Ding, M., Ning, Y., Song, L., Yu, X., Yan, B., Li, P., Tian, W., Zhang, R., & Chen, W. (2025). *Clinical features and risk factors of older adults with bloodstream infection*.

Domingues, C. P. F., Rebelo, S., & Dionisio, F. (2025). *Plasmid Genomic Dynamics and One Health : Drivers of Antibiotic Resistance and Pathogenicity*. 1–17.

Dunbar, S. A., Gardner, C., & Das, S. (2022). *Diagnosis and Management of Bloodstream Infections With Rapid , Multiplexed Molecular Assays*. *12*(March), 1–13. https://doi.org/10.3389/fcimb.2022.859935

García-garcía, J. D., Contreras-alvarado, L. M., Cruz-córdova, A., Hernández-castro, R., Flores-encarnacion, M., Rivera-gutiérrez, S., Arellano-galindo, J., Ochoa, S. A., & Xicohtencatl-cortes, J. (2025). *Pathogenesis and Immunomodulation of Urinary Tract Infections Caused by Uropathogenic Escherichia coli*. 1–21.

Ghannam, J. Y., Wang, J., & Jan, A. (2025). *Biochemistry , DNA Structure*. 1–6.

Harahap, A. H., Andani, C. D., Christie, A., & Fauzi, A. (2023). *Pentingnya Peranan CIA Triad Dalam Keamanan Informasi dan Data Untuk Pemangku Kepentingan atau Stakholder*. *1*(2), 73–83.

Harindana, P., IIswari, I., Setyojatmiko, I., & Fatmawati, N. (2021). *Kesesuaian pewarnaan gram dengan kultur darah sebagai prediktor nilai kritis kasus bakteremia di Rumah Sakit Umum Pusat Sanglah, Denpasar*. *12*(2), 494–499. https://doi.org/10.15562/ism.v12i2.1038

Harju, J., & Broedersz, C. P. (2025). *Physical models of bacterial chromosomes*. *December 2023*, 143–153. https://doi.org/10.1111/mmi.15257

Haryani, W., & Setyobroto, I. (2022). *Etika penelitian*.

Holmes, C. L., Albin, O. R., Mobley, H. L. T., & Bachman, M. A. (2025). *Bloodstream infections: mechanisms of pathogenesis and opportunities for intervention*. *23*(4), 210–224. https://doi.org/10.1038/s41579-024-01105-2.Bloodstream

Holmes, C. L., Anderson, M. T., & Mobley, H. L. T. (2021). *Pathogenesis of Gram-Negative Bacteremia*. *March*, 1–27.

Junier, I., Ghobadpour, E., Espeli, O., & Everaers, R. (2023). *DNA supercoiling in bacteria : state of play and challenges from a viewpoint of physics based modeling*.

Kwon, M. J., Kang, H. S., Kim, J., Kim, J. H., Bang, W. J., Yoo, D. M., Lee, N.,

Han, K. M., Kim, N. Y., Choi, H. G., Kim, M., & Kim, E. S. (2024). *Chronic Kidney Disease and Infection Risk : A Lower Incidence of Peritonsillar Abscesses in Specific CKD Subgroups in a 16-Year Korean Nationwide Cohort Study*. 1–13.

Lê-Bury, P., Rivera, H., Cerdá, J., & Dussurget, O. (2024). *Determinants of bacterial survival and proliferation in blood*. *2016*(April). https://doi.org/10.1093/femsre/fuae013

Leech, L., Bigley, C., Chew, M., Crawford, A., & Vawter, J. (2025). *Expanded PCR panel for uropathogen identification and treatment recommendations in urinary tract infections*. 1–13. https://doi.org/10.1177/https

Lin, Y. (2023). *Impact of Bacteremia on Mortality and Healthcare Costs*. *14*(1000043), 20–21. https://doi.org/10.35248/2155-9597.23.S21.043.Citation

Liu, Q., Jin, X., Cheng, J. U. N., Zhou, H., Zhang, Y., & Dai, Y. (2023). *Advances in the application of molecular diagnostic techniques for the detection of infectious disease pathogens (Review)*. 1–14. https://doi.org/10.3892/mmr.2023.12991

LSM Spada Indonesia. (2019). Organ-Organ Sistem Urinaria.

Luka, B., Luka, B., & Diagnostics, C. (2025). *Comparison of DNA Yield and Quality From Two Blood Extraction Kits*. *16*, 83–89. https://doi.org/10.7251/QOL2503083V

Madrazo, M., López-Cruz, I., Piles, L., Artero, S., Alberola, J., Aguilera, J. A., Eiros, J. M., & Artero, A. (2023). *Risk Factors for Bacteremia and Its Clinical Impact on Complicated Community-Acquired Urinary Tract Infection. Microorganisms*, *11*(8). https://doi.org/10.3390/microorganisms11081995

Maulana, D., & Karyus, A. (2025). Penatalaksanaan Holistik Pada Pasien Wanita Usia 33 Tahun Dengan Infeksi Saluran Kemih Non-Spesifik Melalui Pendekatan Kedokteran Keluarga. 7(April), 41–54.

Mazlan, A. H., Najib, M. H. A. M., Hassan, M. H., Fazleen, & Hatta1, H. M. (2024). Effect of DNA Template Concentration on Standard Polymerase Chain Reaction. *International Journal of Pharmaceuticals, Nutraceuticals and Cosmetic Science*, *7*(1), 1–11. https://doi.org/10.24191/ijpnacs.v7i1.01

Oliveira, B. B., Veigas, B., & Baptista, P. V. (2021). Isothermal Amplification of Nucleic Acids: The Race for the Next “Gold Standard.” *Frontiers in Sensors*, *2*(September), 1–22. https://doi.org/10.3389/fsens.2021.752600

Papanikolopoulou, A., Maltezou, H. C., Stoupis, A., Kalimeri, D., Pavli, A., Boufidou, F., Karalexi, M., Pantazis, N., Pantos, C., Tountas, Y., Koumaki, V., Kantzanou, M., & Tsakris, A. (2022). *Catheter-Associated Urinary Tract Infections , Bacteremia , and Infection Control Interventions in a Hospital : A Six-Year Time-Series Study*. 1–17.

Pemerintah Kota Surabaya, & Dinas Lingkungan Hidup. (2018). Kajian Penanggulangan Beban Pencemaran Sungai Kali Tebu dengan Parameter Escherichia coli. September.

Rahayu, M., Supriyanta, B., Silalahi, D. M. D., Abdul, N. A., & Nurlina, W. O. (2021). *ILMU BIOMEDIK UNTUK PERAWAT*.

Rahayu, W., Nurjanah, S., & Komalasari, E. (2018). *Eschericia coli:* Patogenitas, Analisis dan Kajian Risiko.

Raihan, M., Basri, B. A., & Marantika, A. G. (2025). Prinsip Anonymity Sebagai Perwujudan Hak Privasi : Suatu Tinjauan Konseptual Dalam Kerangka Undang-Undang Pelindungan Data Pribadi. 07(2), 231–239.

Ramadhan, C., Astuti, D., Widyastuti, R., & Sulistyorini, M. (2023). Analisis Faktor Resiko Sebagai Upaya Pencegahan terhadap Kejadian Kasus Infeksi Saluran Kemih. 4(2).

Rhodes, E., Jerry, D., Jones, D. B., Goldsbury, J., & Vu, N. (2026). *Swift SNPs: Evaluating Rapid DNA Extraction Methods for Scalable Genotyping in Aquaculture*. *Marine Biotechnology*, *28*(1). https://doi.org/10.1007/s10126-025-10561-7

Sa'adah, S. (2018). Sistem Peredaran Darah Manusia.

Sabriani, J., Umboh, A., & Manoppo, J. I. C. (2021). Perbandingan Leukosituria , Nitrit , Leukosit Esterase dengan Kultur Urin dalam Mendiagnosis Infeksi Saluran Kemih pada Anak. 2(2), 78–86.

Samples, B., Molecular, C., Reinicke, M., Braun, S. D., Diezel, C., Lemuth, O., Engelmann, I., Liebe, T., & Ehricht, R. (2024). *From Shadows to Spotlight : Enhancing Bacterial DNA Detection in*.

Samuel, L. (2023). Direct-from-Blood Detection of Pathogens: a Review of Technology and Challenges. *Journal of Clinical Microbiology*, *61*(7), 1–15. https://doi.org/10.1128/jcm.00231-21

Sistyani, W., Kusumajaya, H., & Meilando, R. (2025). Faktor-Faktor Yang Berhubungan Dengan Kejadian Infeksi Saluran Kemih Di Rsud Dr (H.C) Ir. Soekarno Provinsi Kepulauan Bangka Belitung 2024. 21(2). Https://Doi.Org/10.5455/Mnj.V1i2.644

Smith, D. A., & Nehring, S. M. (2025). *Bacteremia*. 1–6.

Svärd, A. A., Viberg, E., von Platen, I., Jönsson, I., Lundgren, M., Neiderud, J., Larsson, K., Jönsson, B., Cedervall, E., Carlsson, A., Lundgren, M., Melin, J., Lernmark, Lernmark, B., Lindberg, B., Jonsson, I., Jonsdottir, B., Ivarsson, S., Hansson, G., … Ramelius, A. (2025). Feasibility of extracting usable DNA from blood samples stored up to 21 years in the DiPiS study. *Scientific Reports*, *15*(1), 1–11. https://doi.org/10.1038/s41598-025-08257-y

Syahmardan, Tahir, M., & Asnuddin. (2024). Faktor Yang Mempengaruhi Terjadinya Infeksi Saluran Kemih Terhadap Penggunaan Kateter Menetap Pada Factors Affecting The Happening Of Virginal Channel Infection On The

Use Of Fixed Cateters In Patients At The Pendahuluan Infeksi Saluran Kemih Adalah Infek. 13(1), 43–62.

Szlachta-mcginn, A., Douglass, K. M., Young, U., Chung, R., James, N., Nickel, J. C., & Ackerman, A. L. (2022). Molecular Diagnostic Methods Versus Conventional Urine Culture for Diagnosis and Treatment of Urinary Tract Infection : A Systematic Review and Meta-analysis. *European Urology Open Science*, *44*, 113–124. https://doi.org/10.1016/j.euros.2022.08.009

Tjandra, K. C., Ram-mohan, N., Abe, R., Hashemi, M. M., Lee, J., Chin, S. M., Roshardt, M. A., Liao, J. C., Wong, P. K., & Yang, S. (2022). *Diagnosis of Bloodstream Infections : An Evolution of Technologies towards Accurate and Rapid Identification and Antibiotic Susceptibility Testing*.

Umashankar, A. K. H. P. and S. (2021). Separation of DNA Fragments using Agarose Gel Electrophoresis; Protocol, Results, Principle and Possible Errors to Avoid. *Advances In Biotechnology And Bioscience*, *10*, 145.

Widiyastuti, S. F., Soleha, T. U., Kedokteran, F., Lampung, U., Mikrobiologi, B., Kedokteran, F., & Lampung, U. (2023). *Faktor Faktor Yang Mempengaruhi Terjadinya Infeksi Saluran Kemih Factors that Influence the Occurrence of Urinary Tract Infections*. *13*, 1069–1073.

Widodo, W. T. (2025). Komponen , Tahapan Dan Variasi Polimerase Chain Reaction : Artikel Review. *6*, 3350–3357.

Yang, J., Zhang, T., Yang, B., Liu, J., Li, Z., & Yamaguchi, Y. (2025). High-Resolution Analysis of DNA Electrophoretic Separations via Digital Image Processing. *Separations*, *12*(11), 1–13. https://doi.org/10.3390/separations12110296

YEASEN. (2025). *PCR, Elektroforesis Asam Nukleat, Buku Pegangan Teknik Laboratorium*.

Zhao, M., Yao, L., & Chen, H. (2025). *Comparative analysis between digital PCR and blood culture for blood pathogen detection*. *September*, 1–7. https://doi.org/10.3389/fmed.2025.1615409

Zhou, Y., Shi, W., Wen, Y., Mao, E., & Ni, T. (2023). Comparison of pathogen detection consistency between metagenomic next - generation sequencing and blood culture in patients with suspected bloodstream infection. *Scientific Reports*, 1–8. https://doi.org/10.1038/s41598-023-36681-5

Zhou, Y., Zhou, Z., Zheng, L., Gong, Z., Li, Y., Jin, Y., Huang, Y., & Chi, M. (2023). *Urinary Tract Infections Caused by Uropathogenic Escherichia coli : Mechanisms of Infection and Treatment Options*.

Zimoń, B., Psujek, M., Matczak, J., Guziński, A., Wójcik, E., Dastych, J., Zimoń, B., Psujek, M., Matczak, J., Guziński, A., Wójcik, E., & Dastych, J. (2024). *Novel multiplex-PCR test for Escherichia coli detection*. 1–16.

Zou, X., Nguyen, M., Overbeek, J., Cao, B., & Id, J. J. D. (2022). *Classification of bacterial plasmid and chromosome derived sequences using machine learning*. 1–14. https://doi.org/10.1371/journal.pone.0279280