

DAFTAR PUSTAKA

- Agnes Lee Chiu Nee, Mohd Nizam Lani, Rozila Alias, & Zaiton Hassan. (2019). Lactic Acid Bacteria Isolated from Locally Produced Vinegars and Their Antibacterial Activity Against Foodborne Bacteria. *Universiti Malaysia Terengganu Journal of Undergraduate Research*, 1(2), 1–7. <https://doi.org/10.46754/umtjur.v1i2.60>
- Allen, S. J., Martinez, E. G., Gregorio, G. V., & Dans, L. F. (2011). Probiotics for treating acute infectious diarrhoea. *Sao Paulo Medical Journal*, 129(3), 185–185. <https://doi.org/10.1590/S1516-31802011000300012>
- Anam, K., Cahyadi, W., Azmi, I., Senjarini, K., & Oktarianti, R. (2021). Analisis Hasil Elektroforesis DNA dengan Image Processing Menggunakan Metode Gaussian Filter. *IJEIS (Indonesian Journal of Electronics and Instrumentation Systems)*, 11(1), 37. <https://doi.org/10.22146/ijeis.58268>
- Anurogo, D. (2014). Probiotik: Problematika dan Progresivitasnya. *Medicinus*, 27(3) 46–57.
- Association of Public Health Laboratories. (2024). *Laboratory leadership competency toolkit: A practical guide to board examination and laboratory leadership resources*. Association of Public Health Laboratories.
- Black, E. M., Lowings, J. P., Smith, J., Heaton, P. R., & Mcelhinney, L. M. (2002). A rapid RT-PCR method to differentiate six established genotypes of rabies and rabies-related viruses using TaqMan™ technology. In *Journal of Virological Methods* (Vol. 105). www.elsevier.com/locate/jviromet
- Borst, A., Box, A. T. A., & Fluit, A. C. (2004). False-Positive Results and Contamination in Nucleic Acid Amplification Assays: Suggestions for a Prevent and Destroy Strategy. *European Journal of Clinical Microbiology & Infectious Diseases*, 23(4), 289–299. <https://doi.org/10.1007/s10096-004-1100-1>
- Chantratita, W., Sukasem, C., Kaewongsri, S., Srichunrusami, C., Pairoj, W., Thitithanyanont, A., Chaichoune, K., Ratanakron, P., Songserm, T., Damrongwatanapokin, S., & Landt, O. (2008). Qualitative detection of avian influenza A (H5N1) viruses: A comparative evaluation of four real-time nucleic acid amplification methods. *Molecular and Cellular Probes*, 22(5–6), 287–293. <https://doi.org/10.1016/j.mcp.2008.06.005>
- Chen, J., Chen, X., & Ho, C. L. (2021). Recent Development of Probiotic Bifidobacteria for Treating Human Diseases. *Frontiers in Bioengineering and Biotechnology*, 9. <https://doi.org/10.3389/fbioe.2021.770248>
- Endraswara, S. (2013). *Metodologi Penelitian Psikologi Sastra*. Yogyakarta: MedPress. ISBN (13)978-602-9324-26-6.

- Fachrial, P. E., Si, S., Harmileni, M. S., Si, M., Anggraini, S., Si Editor, M., & Laia, Y. (2022). *Pengantar Teknik Laboratorium Mikrobiologi Dan Pengenalan Bakteri Asam Laktat* (1st ed.). UNPRI Press.
- Fang, G, S. Hammar, dan R. Grumet. (1992). *A Quick and Inexpensive Method for Removing Polysaccharides from Plant Genome DNA*. *BioTechniques*, 13, 52-56.
- Fatma, I. I., Nuraida, L., & Faridah, D. N. (2022). Potensi Probiotik Bakteri Asam Laktat Asal Madu dari Tiga Jenis Lebah yang Berbeda. *Jurnal Teknologi Dan Industri Pangan*, 33(2), 189–199. <https://doi.org/10.6066/jtip.2022.33.2.189>
- Fitri, Rr. R. A., F., & Prasetyo, E. (2021). Perbandingan Metode PCR Konvensional dengan Metode PCR Portable Kit untuk Deteksi WSSV pada Udang Vannamei. *Jurnal Ruaya: Jurnal Penelitian Dan Kajian Ilmu Perikanan Dan Kelautan*, 9(1). <https://doi.org/10.29406/jr.v9i1.2615>
- Fraga, D., Meulia, T., & Fenster, S. (2014). Real-Time PCR. *Current Protocols Essential Laboratory Techniques*, 8(1). <https://doi.org/10.1002/9780470089941.et1003s08>
- FAO/WHO. (2001). *Health and Nutrition Properties of Probiotics in Food including Powder Milk with Live Lactic Acid Bacteria*. Report of a Joint FAO/WHO Expert Consultation on Evaluation of Health and Nutritional Properties of Probiotics in Food including Powder Milk with Live Lactic Acid Bacteria Cordoba, Argentina 1-4 October 2001.
- Gaffar, Shabarni. (2007). *Buku Ajar Bioteknologi Molekul*. Bandung: Jurusan Kimia FMIPA Universitas Padjajaran. Edisi 1. Hal 23-24.
- Gupta, N. (2019). DNA extraction and polymerase chain reaction. *Journal of Cytology*, 36(2), 116. https://doi.org/10.4103/JOC.JOC_110_18
- Hao, Q., B. R. Dong, dan T. Wu. (2015). Probiotics for preventing acute upper respiratory tract infections. *Cochrane Database of Systematic Reviews*, 2015(2). <https://doi.org/10.1002/14651858.CD006895.pub3>.
- Harlan, J., & Johan Sujita, R. (2018). *Metodologi Penelitian kesehatan* (2nd ed.). Jakarta: Gunadarma.
- Hewajuli, A. D. & Dharmayanti. (2014). Perkembangan Teknologi Reverse Transcriptase-Polymerase Chain Reaction dalam Mengidentifikasi Genom Avian Influenza dan Newcastle Diseases. *WARTAZOA Volume 24 Nomor 2*. Bogor: Balai Besar Penelitian Veteriner.
- Hidayat, Meilinah. (2020). *Penelitian Biomedik dan Ilmu Kedokteran* (hal. 120-121). Bandung: Alfabeta. ISBN 978-602-289-640-1.
- Isrianto, P. L. (2022). Pelatihan Pembuatan Minuman Probiotik Kekinian Sehat Sebagai Upaya Peningkatan Imunitas pada Kelompok PKK RW 3 di Kelurahan Perak Barat Kecamatan Krembangan Surabaya. *Jurnal Abdidas*, 3(5), 798–806. <https://doi.org/10.31004/abdidas.v3i5.675>

- Jalali, Morteza, Saldanha, F. Y. L. & Jalali, Mehdi. (2017). Basic Science Methods for Clinical Researchers. *Basic Science Methods for Clinical Researchers*, pp. 1– 355.
- Kamaliah. (2017). Perbandingan metode ekstraksi DNA Phenol-Chloroform dan KIT Extraction pada sapi Aceh dan sapi Madura. *Jurnal Biotik*, 5(1), 60–65. <https://doi.org/10.22373/biotik.v5i1.2975>
- Kwon, H.-S., Yang, E.-H., Lee, S.-H., Yeon, S.-W., Kang, B.-H., & Kim, T.-Y. (2005). Rapid identification of potentially probiotic *Bifidobacterium* species by multiplex PCR using species-specific primers based on the region extending from 16S rRNA through 23S rRNA. *FEMS Microbiology Letters*, 250(1), 55–62. <https://doi.org/10.1016/j.femsle.2005.06.041>
- Lee, R. (2015). *Molecular laboratory design: QA/QC considerations*. Texas Department of State Health Services, NBS Molecular Training Workshop
- Matsuki, T., Watanabe, K., Tanaka, R., Fukuda, M., & Oyaizu, H. (1999). Distribution of bifidobacterial species in human intestinal microflora examined with 16s rRNA-gene-targeted species-specific primers. *Applied and Environmental Microbiology*, 65(10), 4506–4512. <https://doi.org/10.1128/AEM.65.10.4506-4512.1999>
- Maulia, P. H., & Farapti, F. (2019). Status zinc dan peran suplementasi zinc terhadap sistem imun pada pasien hiv/aids: A systematic review [zinc status and the role of zinc supplementation on immune system in hiv/aids patients: a systematic review]. *Media Gizi Indonesia*, 14(2), 115. <https://doi.org/10.20473/mgi.v14i2.115-122>
- Muladno. (2002). *Seputar Teknologi Rekayas Genetika*. Bogor: Pustaka Wirausaha Muda. Edisi 1. ISBN 9793099062. Hal 39-40
- Mulyaningsih, T. R. (2009). Kandungan Unsur Fe dan Zn dalam Bahan Pangan Produk Pertanian, Peternakan dan Perikanan dengan Metode K0-aani. *Jurnal Sains Dan Teknologi Nuklir Indonesia*, 10(2). <https://doi.org/10.17146/jstni.2009.10.2.651>
- Permadi, A., Izza, M. A., Cahyo, K., & Kholif, M. Al. (2018). Penggunaan Probiotik dalam Budidaya Ternak. *Jurnal Abadimas Adi Buana*, 2(1), 5–10. <https://doi.org/10.36456/abadimas.v2.i1.a1616>
- Refita, Krisa. (2021). Ketersediaan Produk Pangan Mengandung Kultur di Situs Belanja Daring dan Pengetahuan serta Persepsi Tentang Probiotik pada Mahasiswa di Jabodetabek. *Skripsi*. Bogor: Fakultas Teknologi Pertanian Institut Pertanian Bogor.
- Rezac, S., Kok, C. R., Heermann, M., & Hutkins, R. (2018). Fermented Foods as a Dietary Source of Live Organisms. *Frontiers in Microbiology*, 9. <https://doi.org/10.3389/fmicb.2018.01785>

- Rosahdi, T. D., Tafiani, N., & Hafsari, A. R. (2019). Identifikasi spesies isolat bakteri k2br5 dari tanah karst dengan sistem kekerabatan melalui analisis urutan nukleotida gen 16s rna. *Al-Kimiya*, 5(2), 84–88. <https://doi.org/10.15575/ak.v5i2.3836>
- Ruiz, L., Ruas-Madiedo, P., Gueimonde, M., de los Reyes-Gavilán, C. G., Margolles, A., & Sánchez, B. (2011). How do bifidobacteria counteract environmental challenges? Mechanisms involved and physiological consequences. *Genes & Nutrition*, 6(3), 307–318. <https://doi.org/10.1007/s12263-010-0207-5>
- Sambrook, J, E.F. Fritsch, dan T. Miniatis. (1989). *Molecular Cloning : A Laboratory Manual*. New York: Cold Spring Harbor Laboratory Press
- Sanders, M. E., & Marco, M. L. (2010). Food Formats for Effective Delivery of Probiotics. *Annual Review of Food Science and Technology*, 1(1), 65–85. <https://doi.org/10.1146/annurev.food.080708.100743>
- Satrina. (2018). Identifikasi Bakteri Asam Laktat Dari Usus Doc Broiler Umur Satu Hari Berdasarkan Gen 16S rRNA. *Skripsi*. Makasar: Universitas Islam Negeri Alauddin Makassar.
- Sulistiani, Dinoto, A., Julistiono, H., Handayani, R., P. Roswiem, A., Novita Sari, P., & Saputra, S. (2020). Seleksi bakteri asam laktat dari nira aren [(arenga pinnata (Wurmb)] asal papua sebagai kandidat probiotik. *Jurnal Biologi Indonesia*, 16(1), 1–11. <https://doi.org/10.47349/jbi/16012020/1>
- Syukur, S. (2017). *Bioteknologi Dasar dan Bakteri Asam Laktat Antimikrobia*. Padang: Lembaga Pengembangan Teknologi Informasi dan Komunikasi. ISBN 978-602-5539-05-3
- Tanggapo, A. M. (2019). Edukasi Mengenai Pentingnya Konsumsi Probiotik Untuk Peningkatan Kesehatan Pada Kelompok Wanita di Kelurahan Banjar Kecamatan Tikala Kota Manado. *VIVABIO: Jurnal Pengabdian Multidisiplin*, 1(3), 13. <https://doi.org/10.35799/vivabio.1.3.2019.26723>
- Trenev, N. (1998). *Probiotics: Nature's Internal Healers*. Penguin. ISBN 9780895298478. Hal. 35
- Yuniarti, F., W. Hidayati, Fitriani, A. Sarah. (2023). *Skrining Antibakteri Dan Identifikasi Molekular Bakteri Asam Laktat Dari Fermentasi Buah Kakao Merah (Theobroma cacao L. varietas criollo) Terhadap bakteri Shigella dysenteriae*. *Jurnal biologi Volume 16 Nomor 1*. Jakarta Timur: Universitas Muhammadiyah Prof DR Hamka,
- Yusuf, Zuhriana K. (2010). Polymerase Chain Reaction (PCR). *Saintek Volume 6 Nomor 2*. Gorontalo: Universitas Negeri Gorontalo
- Yuwono T. (2006). *Teori Dan Aplikasi Polymerase Chain Reaction* (1st ed). Yogyakarta: Andi Offset. ISBN 978979763307