

DAFTAR PUSTAKA

- Abadi, M. F. (2022). *Lebih Mudah Memahami Biologi Molekuler (Untuk Mahasiswa Jurusan TLM dan Kesehatan Lainnya)*. CV Jejak (Jejak Publisher). <https://books.google.co.id/books?id=V9FbEAAAQBAJ>
- Abdullah, A., & Nurilmala, M. (2020). *Penuntun Praktikum Pengantar Desain Kit Dan Metode Deteksi Mutu Bahan Baku Hasil Perairan: Metode Berbasis DNA*. PT Penerbit IPB Press. https://books.google.co.id/books?id=ouk_EAAAQBAJ
- Alvarado-marchena, L., Schmidt-durán, A., Alvarado-ulloa, C., Chacón-cerdas, R., & Flores-mora, D. (2016). Molecular Characterization of The Endophytic Bacteria Found in The Fig Crops (*Ficus carica* var . Brown Turkey) In Costa Rica. *ARPNE Journal of Agricultural and Biological Science*, 11(7), 290–297. <https://www.researchgate.net/publication/>
- Anafarida, O. (2020). Analisis Filogenetik Mangga (*Mangifera Sp.*) Berdasarkan Gen 5,8S rRNA. *Ziraa'ah*, 45(2), 120–126. <https://doi.org/http://dx.doi.org/10.31602/zmip.v45i2.3001>
- Aqil Azizi, Sari, D. A. P., & Agusti, A. T. (2021). *Metode Analisis Next Generation Sequencing (NGS)*. Nas Media Pustaka. <https://books.google.co.id/books?id=y59WEAAAQBAJ>
- Ariyanti, Y., & Sianturi, S. (2019). Ekstraksi DNA Total dari Sumber Jaringan Hewan (Ikan Kerapu) Menggunakan Metode Kit For Animal Tissue. *Journal of Science and Applicative Technology*, 3(1), 40–45. <https://doi.org/10.35472/jsat.v3i1.111>
- Astari, S. M., Rialita, A., & Mahyarudin, M. (2021). Aktivitas Antibakteri Isolat Bakteri Endofit Tanaman Kunyit (*Curcuma longa* L.) Terhadap Pertumbuhan *Staphylococcus aureus*. *Jurnal Fitofarmaka Indonesia*, 8(2), 9–16. <https://doi.org/10.33096/jffi.v8i2.644>
- Aulia, S., Suwignyo, R., & Hasmeda, M. (2021). Optimasi Suhu Annealing untuk Amplifikasi DNA Padi Hasil Persilangan Varietas Tahan Terendam dengan Metode *Polymerase Chain Reaction*. *Sainmatika: Jurnal Ilmiah Matematika Dan Ilmu Pengetahuan Alam*, 18, 44. <https://doi.org/10.31851/sainmatika.v17i3.5805>
- Badgujar, S. B., Patel, V. V., Bandivdekar, A. H., & Mahajan, R. T. (2014). Traditional Uses, Phytochemistry And Pharmacology Of *Ficus carica* L.: A Review. *Pharmaceutical Biology*, 52(11), 1487–1503. <https://doi.org/10.3109/13880209.2014.892515>
- Bolotin, A., Wincker, P., Mauger, S., Jaillon, O., Malarme, K., Weissenbach, J., Ehrlich, S. D., & Sorokin, A. (2001). The Complete Genome Sequence Of The Lactic Acid Bacterium *Lactococcus lactis* sp. Lactis IL1403. *Genome Research*, 11(5), 731–753. <https://doi.org/10.1101/gr.gr-1697r>
- Bota, W., Martosupono, M., & Rondonuwu, F. S. (2015). Potensi Senyawa Minyak Sereh Wangi (*Citronella* Oil) Dari Tumbuhan *Cymbopogon nardus* L. Sebagai Agen Antibakteri. *Jurnal FTUMJ*, November, 1–8. <https://jurnal.umj.ac.id/index.php/semnastek/article/view/548>
- Buwono, I. D. (2017). *Buku Ajar Aplikasi Teknologi DNA Rekombinan Untuk Perakitan*

- Konstruksi Vektor Ekspresi Ikan Lele Transgenik.* Deepublish. <https://books.google.co.id/books?id=nXZLDwAAQBAJ>
- Chawla, A., Kaur, R., & Sharma, A. K. (2010). *Ficus carica* L.: A Review On Its Pharmacognostic, Phytochemical And Pharmacological Aspects. *International Journal of Pharmaceutical and Phytopharmacological Research*, 215(4), 215–232. www.eijppr.com
- Dolgun, O., & Tekintas, F. E. (2008). Production Of Fig (*Ficus carica* L.) Nursery Plants By Stem Layering Method. *Agriculturae Conspectus Scientificus*, 73(3), 157–160. <https://hrcak.srce.hr/26826>
- Henny, J., Euis R.Y., Iis I. R., Dewi R. H., Prayoga, A. M., Ferdianti, F. N., Prastia, H. S., Dara, R. J., Syarifah, S., & Rizkani, E. N. (2021). *Sayuran Dan Buah Berwarna Merah, Antioksidan Penangkal Radikal Bebas.* Deepublish. <https://books.google.co.id/books?id=vZYoEAAAQBAJ>
- Dworkin, M., Falkow, S., Rosenberg, E., Schleifer, K. H., & Stackebrandt, E. (2006). *The Prokaryotes: Vol. 4: Bacteria: Firmicutes, Cyanobacteria.* Springer New York. <https://books.google.co.id/books?id=C5tzLBabUh8C>
- Effendi, I. (2020). *Identifikasi Bakteri: Metode Identifikasi Dan Klasifikasi Bakteri.* Oceanum. <https://books.google.co.id/books?id=B4X-DwAAQBAJ>
- Elfidasari, D., & Cinta, P. R. (2020). *Yuk Mengenal Ikan Sapu-Sapu Sungai Ciliwung.* Penerbit Pustaka Rumah Cinta. https://books.google.co.id/books?id=v_L3DwAAQBAJ
- Engelkirk, P. G., Duben-Engelkirk, J. L., & Burton, G. R. W. (2011). *Burtons Microbiology For The Health Sciences.* Deepublish. <https://books.google.com/books?id=RaVKCQI75voC&pgis=1>
- Enjang Suherman. (2019). Pemanfaatan Buah Tin Untuk Perekonomian dan Kesehatan. *Jurnal Buana Pengabdian*, 1(1), 6–14. <https://doi.org/10.36805/jurnalbuana pengabdian.v1i1.575>
- Ethica, S. N. (2019). *Pengantar Bioinformatika Untuk Mahasiswa Laboratorium Medis.* Deepublish. <https://books.google.co.id/books?id=n6D6DwAAQBAJ>
- Ethica, S. N., Natanningtyas, D. R., Lestari, P., Istini, Semiarti, E., Widada, J., & Raharjo, T. J. (2013). Comparative Evaluation Of Conventional Versus Rapid Methods For Amplifiable Genomic DNA Isolation Of Cultured *Azospirillum* sp. JG3. *Indonesian Journal of Chemistry*, 13(3), 248–253. <https://doi.org/10.22146/ijc.21284>
- Fadhlurrahman, I., Rahmawati, R., Rahmatika, W., Setyaningsih, W., Prahendra, Z. A., Andriani, L., Sujatmiko, T., Amudony, Z., Sari, P., Zubaida, S., & Wisisto, J. (2018). Seminar Nasional Kolaborasi Pengabdian Pada Masyarakat Pemberdayaan Masyarakat Dalam Budidaya Buah Tin Untuk Menunjang Wisata Umbul Ponggok Di Kecamatan Polanharjo Kabupaten Klaten. *Seminar Nasional Kolaborasi Pengabdian Pada Masyarakat*, 1(123), 123–127. <https://proceeding.unnes.ac.id/index.php/snkkpm>
- Fanelli, F., Montemurro, M., Chieffi, D., Cho, G.S., Franz, C. M. A. P., Dell'Aquila, A., Rizzello, C. G., & Fusco, V. (2022). Novel Insights Into the Phylogeny and

- Biotechnological Potential of *Weissella* Species. *In Frontiers in Microbiology*, 1(13). <https://www.frontiersin.org/articles/10.3389/fmicb.2022.914036>
- Fiqolbi, N. (2017). Metagenomik: Penelusuran Makhluk Tak Kasat Mata Dalam Tanah. *BioTrends*, 8(2), 7–14. <http://lipi.go.id/publikasi/metagenomik-penelusuran-makhluk-tak-kasat-mata-dalam-tanah/5334>
- Flaishman, M. A., Dagan, B., Rodov, V., Dagan, B., & Stover, E. (2008). The Fig: Botany, Horticulture, and Breeding. *Horticultural Reviews*, 34(1), 113–196. <https://doi.org/10.1002/9780470380147.ch2>
- Getino, A. M. (2018). *Quantitative Metagenomic Biodiversity*. Lulu.com. <https://books.google.co.id/books?id=BqpwDwAAQBAJ>
- Ginting, L., Wijanarka, & Kusdiyantini, E. (2020). Isolasi Bakteri Endofit Tanaman Pepaya (*Carica papaya* L.) Dan Uji Aktivitas Enzim Amilase. *Berkala Bioteknologi*, 3(2), 1–7. <https://ejournal2.undip.ac.id/index.php/bb/article/view/9654>
- Gultom, E. S., Sakinah, M., & Hasanah, U. (2020). Eksplorasi Senyawa Metabolit Sekunder Daun Kirinyuh (*Chromolaena odorata*) Dengan GC-MS. *Jurnal Biosains*, 6(1), 23–26. <https://jurnal.unimed.ac.id/2012/index.php/biosain>.
- Hagstrom, K., & Meyer, B. (2003). Hagstrom, K.A. & Meyer, B.J. Condensin And Cohesin: More Than Chromosome Compactor And Glue. *Nature Reviews. Genetics*, 4(1), 520-534. <https://doi.org/10.1038/nrg1110>
- Hamidah, S., Arifin, Y. F., & Fitriani, A. (2020). Studi Hasil Budidaya Secara Eksitu Beberapa Jenis Tumbuhan Obat Sebagai Pertimbangan Konsep Pengembangan Agroforestri Berbasis Tumbuhan Obat. *Jurnal Hutan Tropis*, 8(1), 1–15. <http://dx.doi.org/10.20527/jht.v8i1.8152>
- Harrigan, W. F. (1998). *Laboratory Methods in Food Microbiology*. Elsevier Science. <https://books.google.co.id/books?id=II5DHCE2YW4C>
- Hozzein, W. N. (2020). *Metagenomics: Basics, Methods and Applications*. IntechOpen. <https://books.google.co.id/books?id=EJn8DwAAQBAJ>
- Hung, P. Q., & Annapurna, K. (2004). *Isolation and Characterization of Endophytic Bacteria in Soybean (Glycine sp.)*. 101, 92–101. <https://doi.org/10.1007/s00374-007-0189-7>
- Jenie, R. I. (2019). *Genom Ekspresi dan Aplikasinya*. Bursa Ilmu. <https://books.google.co.id/books?id=riteEAAAQBAJ>
- Joseph, B., & Justin Raj, S. (2011). Pharmacognostic And Phytochemical Properties Of *Ficus carica* L. An Overview. *International Journal of PharmTech Research*, 3(1), 8–12. https://www.researchgate.net/publication/266271840_Pharmacognostic_and_phytochemical_properties_of_Ficus_carica_Linn_-An_overview
- Kebal., Leila, N.M. and N.D. (2022). In Vivo Anti-Inflamantory Activity And Polyphenolic Content Of Aqueous And Ethanolic Extracts Of *Ficus carica* L. Fruit. *Journal of Applied Biological Sciences*, 16(3), 418–433. <https://doi.org/10.5281/zenodo>

- Kim, B. G., Yang, S. M., Kim, S. Y., Cha, M. N., & Ahn, J.H. (2015). Biosynthesis And Production Of Glycosylated Flavonoids In *Escherichia coli*: Current State And Perspectives. *Applied Microbiology and Biotechnology*, 99(7), 2979–2988. <https://doi.org/10.1007/s00253-015-6504-6>
- Kim, K. M., Park, J.S., Choi, H., Kim, M.S., Seo, J.H., Pandey, R., Kim, J., Hyun, C.G., & Kim, S.Y. (2018). Biosynthesis Of Novel Daidzein Derivatives Using *Bacillus amyloliquefaciens* Whole Cells. *Biocatalysis and Biotransformation*, 36, 1–7. <https://doi.org/10.1080/10242422.2018.1461212>
- Kusnadi, J., & Arumingtyas, E. L. (2020). *Polymerase Chain Reaction (PCR): Teknik dan Fungsi*. Universitas Brawijaya Press. <https://books.google.co.id/books?id=SgcPEAAAQBAJ>
- Kustarianingsih, I. W., Refdinal N. (2015). Produksi Polihidroksialkanoat oleh Bakteri *Ralstonia picketti* dengan Fruktosa sebagai Sumber Karbon. *Jurnal Sains dan Seni ITS*, 4(2), 143–146. https://ejurnal.its.ac.id/index.php/sains_seni/article/viewFile/14033/2415
- Kusumawati, D. E., Pasaribu, F. H., & Bintang, M. (2014). Aktivitas Antibakteri Isolat Bakteri Endofit dari Tanaman Miana (*Coleus scutellarioides* L.) Terhadap *Staphylococcus aureus* dan *Escherichia coli*. *Current Biochemistry*, 1(1), 45–50. <https://doi.org/10.29244/cb.1.1.45-50>
- Laura N. Y, Siti Q. K., Dwi W. I., Teguh H. S., Ilham H. A., Siti C., Zayyin D., Anisa L. F., Renaldy R. I., & Yasmin N. (2022). *Pembelajaran Praktik Laboratorium Untuk Penyakit Infeksi Emerging Dan Re-Emerging : HIV, Dengue, Dan Viral diarrhea* (1st ed.). Inara Publisher (Kelompok Intrans Publishing). <https://books.google.co.id/books?id=6YNzEAAAQBAJ>
- Leonita, S., Bintang, M., Pasaribu, F. H. (2018). Aktivitas Antibakteri Isolat Bakteri Endofit dari Tumbuhan Nyawai (*Ficus variegata* Blume.). *Jurnal IPTEK*, 2(1), 131–136. <https://doi.org/10.31543/jii.v2i1.133>
- Lev-Yadun, S., Ne’eman, G., Abbo, S., & Flaishman, M. A. (2006). Comment On “Early Domesticated Fig In The Jordan Valley”. *Science*, 314(5806). <https://doi.org/10.1126/science.1132636>
- Libonatti, C., Agüeria, D., García, C., & Basualdo, M. (2019). *Weissella paramesenteroides* Encapsulation And Its Application In The Use Of Fish Waste. *Revista Argentina de Microbiología*, 51(1), 81–83. <https://doi.org/https://doi.org/10.1016/j.ram.2018.03.001>
- Linelejan, Y. T., Umboh, S. D., & Tallei, T. E. (2018). Identifikasi Bakteri Endofit Daun *Ficus minahassae* Berdasarkan Gen 16s rRNA. *Jurnal MIPA*, 7(2), 16. <https://doi.org/10.35799/jm.7.2.2018.20620>
- Listiawati, M., Maspupah, M., Widana, A., & Ayu, I. (2021). Pemberdayaan Buah Tin Di Desa Cidadap Kabupaten Tasikmalaya. *Jurnal Pengabdian Masyarakat*, 4(3), 121–125. <https://dx.doi.org/10.31970/abditani.v4i3.154>
- Ludwig-Müller, J. (2015). Plants And Endophytes: Equal Partners In Secondary Metabolite Production. *Biotechnology Letters*, 37(7), 1325–1334. <https://doi.org/10.1007/s10529-015-1814-4>

- Madigan, M. T., & Martinko, J. M. (2006). *Brock Biology of Microorganisms*. Pearson Prentice Hall. <https://books.google.co.id/books?id=O7DuAAAAMAAJ>
- Madigan, M. T., Martinko, J. M., Bender, K. S., Buckley, D. H., & Stahl, D. A. (2015). *Brock Biology of Microorganisms*. Pearson. <https://books.google.co.id/books?id=pAhVnwEACAAJ>
- Maggy, W.T., Thenawidjaja S.R. (2020). *Biokimia Asam Nukleat*. PT Kanisius. <https://books.google.co.id/books?id=sjx2EAAAQBAJ>
- Mahardika, H. A., Sarwiyono, & Surjowardjo, P. (2014). Ekstrak Metanol Daun Kersen (*Muntingia calabura* L.) Sebagai Antimikroba Alami Terhadap Bakteri *Staphylococcus aureus* Penyebab Mastitis Subklinis Pada Sapi Perah. *Jurnal Ternak Tropika*, 15(2), 15–22. <https://fapet.ub.ac.id/wp-content/uploads/2014/06/jurnal-saya1.pdf>
- Makmun, A., & Azizah, F. (2020). Beberapa Khasiat Buah Tin (*Ficus carica* L.) dari Antikonvulsans, Antialergi, Antiinflamasi, Antihiperglikemi, Antikanker Hingga Terapi Hati. *Jurnal Kedokteran*, 9(3), 184–201. <https://doi.org/10.29303/jku.v9i3.409>
- Malfanova, N., Lugtenberg, B. J. J., & Berg, G. (2013). Bacterial Endophytes: Who And Where, And What Are They Doing There? *Molecular Microbial Ecology of the Rhizosphere*, 1(1), 391–403. <https://doi.org/10.1002/9781118297674.ch36>
- Malwe, A. S., Srivastava, G. N., & Sharma, V. K. (2023). GutBug: A Tool for Prediction of Human Gut Bacteria Mediated Biotransformation of Biotic and Xenobiotic Molecules Using Machine Learning. *Journal of Molecular Biology*, 435(14), 156–168. <https://doi.org/10.1016/j.jmb.2023.156168>
- Mariana, B. D., & Arisah, H. (2020). Sumber Daya Genetik Tanaman Buah Subtropika Potensial. In *IPB press*. https://www.researchgate.net/profile/Lizia-Zamzami/publication/340755018_Persik_Prunus_persica/links/5e9bcf02a6fdcca7892457c5/Persik-Prunus-persica.pdf
- Mawa, S., Husain, K., & Jantan, I. (2013). *Ficus carica* L. (Moraceae): Phytochemistry, Traditional Uses And Biological Activities. *Evidence-Based Complementary And Alternative Medicine*, 1(1), 1–9. <http://dx.doi.org/10.1155/2013/9742>
- Mgom, F. C., Yang, Y., Cheng, G., & Yang, Z. (2023). Lactic Acid Bacteria Biofilms And Their Antimicrobial Potential Against Pathogenic Microorganisms. *Biofilm*, 5(1), 100-118. <https://doi.org/10.1016/j.bioflm.2023.100118>
- Munif, A., Djatnika, I., & Widodo, W. (2007). Karakter Fisiologis Dan Peranan Antibiosis Bakteri Perakaran *Graminae* Terhadap *Fusarium* Dan Pemacu Pertumbuhan Tanaman Pisang. *Jurnal Hortikultura*, 17(2), 84824. <https://doi.org/10.21082/jhort.v17n2.2007.p%p>
- Mursyid, A., Mulyono, W., Basuki, J. S., & Sukaryani, S. (2018). Pendugaan Umur Simpan Sirup Buah Tin “Kharomah” Dengan Metode Accelerated Shelf Life Testing (ASLT). *Pro Food Jurnal Dan Teknologi Pangan*, 4(1), 1–6. <https://doi.org/10.29303/profood.v4i1.75>
- Nazwirman, Juniarti, & Simon, Z. Z. (2020). Penyuluhan Dan Pembinaan Manfaat Dan

- Budidaya Tanaman Surgawi. *Jurnal Pengabdian Al-Ikhlas*, 6(1), 54–65. <http://dx.doi.org/10.31602/jpaiuniska.v6i1.3366>
- Novogene. (2020). *16S / 18S / ITS Amplicon Metagenomic Sequencing Primer List of Amplicons*. <https://en.novogene.com/%0Aservices/research-services/metagenome-sequenc-%0Aing/16s-18s-its-amplicon-metagenomic-sequencing/>
- Nugraha, W. F., & Mulyani, T. (2020). Review Artikel: Etnofarmakologi Tanaman Tin (*Ficus carica* L.) (Kajian Tafsir Ilmi Tentang Buah Tin Dalam Al-Quran). *Farmagazine*, 7(1), 58–65. <https://doi.org/10.47653/farm.v7i1.156>
- Nur, L. A. (2021). *Deteksi Neisseria Gonorrhoeae Pada Urin Laki-Laki Asimptomatis*. KBM INDONESIA. <https://books.google.co.id/books?id=gGpKEAAQBAJ>
- Nur, L., Dewa, A.C., Zulkifli, D. J. (2016). Isolasi Bakteri Endofit Dari Sea Grass Yang Tumbuh Di Kawasan Pantai Pulau Lombok Dan Potensinya Sebagai Sumber Antimikroba Terhadap Bakteri Patogen. *Jurnal Biologi Tropis*, 16(2), 80–93. <https://doi.org/10.29303/jbt.v16i2.226>
- Paarakh, P. M. (2010). *Nigella sativa* L. A Comprehensive Review. *Indian Journal of Natural Products and Resources*, 1(4), 409–429. <https://www.semanticscholar.org/paper/Nigella-sativa-Linn.%E2%80%93-A-comprehensive-reviewPaarakh/cb299ca16202e4c658b30c8aebb148ef5ea9df90>
- Pabari, K., Pithva, S., Kothari, C., Purama, R. K., Kondepudi, K. K., Vyas, B. R. M., Kothari, R., & Ambalam, P. (2020). Evaluation of Probiotic Properties and Prebiotic Utilization Potential of *Weissella paramesenteroides* Isolated From Fruits. *Probiotics and Antimicrobial Proteins*, 12(3), 1126–1138. <https://doi.org/10.1007/s12602-019-09630-w>
- Pal A, Chattopadhyay A, P. A. (2012). (2012). Diversity And Antimicrobial Spectrum Of Endophytic Bacteria Isolat From *Paederia foetida* L. *Int J Curr Pharm Res*, 4(3), 32. https://www.researchgate.net/publication/263489985_Diversity_and_antimicrobial_spectrum_of_endophytic_bacteria_isolated_from_Paederia_Foetida_L
- Parshikov, I. A., & Sutherland, J. B. (2015). Biotransformation of Steroids and Flavonoids by Cultures of *Aspergillus niger*. *Applied Biochemistry and Biotechnology*, 176(3), 903–923. <https://doi.org/10.1007/s12010-015-1619-x>
- Patil, V. V., & Patil, V. R. (2011). Evaluation Of Anti-Inflammatory Activity Of *Ficus carica* L. Leaves. *Indian Journal of Natural Products and Resources*, 2(2), 151–155. [https://nopr.niscpr.res.in/bitstream/123456789/12134/1/IJNPR%202\(2\)%20151-155.pdf](https://nopr.niscpr.res.in/bitstream/123456789/12134/1/IJNPR%202(2)%20151-155.pdf)
- Pulungan, A. S., & Tumanger, D. E. (2018). Isolasi Dan Karakterisasi Bakteri Endofit Penghasil Enzim Katalase Dari Daun Buas-buas (*Premna Pubescens* Blume). *BIOLINK (Jurnal Biologi Lingkungan, Industri, Kesehatan)*, 5(1), 71-70. <https://doi.org/10.31289/biolink.v5i1.1665>
- Purwoko, D., Cartealy, I. C., Tajuddin, T., Dinarti, D., & Sudarsono, S. (2019). SSR Identification and Marker Development For Sago Palm Based On NGS Genome Data. *Breeding Science*, 69(1), 1–10. <https://doi.org/10.1270/jsbbs.18061>
- Putri, D., Munif, A., & Mutaqin, K. H. (2016). Lama Penyimpanan, Karakterisasi

- Fisiologi, Dan Viabilitas Bakteri Endofit *Bacillus* sp. Dalam Formula Tepung. *Jurnal Fitopatologi Indonesia*, 12(1), 19–26. <https://doi.org/10.14692/jfi.12.1.19>
- Putri, M. F., Fifendy., M., & Putri., D. H. (2018). Diversitas Bakteri Eendofit Pada Daun Muda Dan Tua Tumbuhan Andaleh (*Morus macroura* Miq.). *Eksakta*, 19(1), 126–130. <https://doi.org/10.24036/eksakta/vol19-iss1/122>
- Rahmah, W., Nandini, E., Ressandy, S. S., & Hamzah, H. (2021). Fermentasi Tape Singkong. *Jurnal Penelitian Farmasi Indonesia*, 10(1), 1–5. <http://jurnal.radenfatah.ac.id/index.php/biota/article/view/538/488>
- Ramadhan, M. R., & Kartika, I. D. P. (2020). Uji Daya Hambat Ekstrak Buah Tin (*Ficus racemosa* L.) Terhadap Pertumbuhan *Staphylococcus aureus* ATCC 25923. *Jurnal Ilmu Dan Teknologi Pangan*, 9(1), 38–45. <https://jurnal.harianregional.com/itepa/full-59477>
- Rauf, S., & Astuti, T. D. (2018). Perbandingan Efektivitas Pemeriksaan Kultur Dan Polymerase Chain Reaction (PCR) Dalam Identifikasi *Neisseria gonorrhoeae* Pada Paseien Gonore. *Jurnal Sains Dan Teknologi Laboratorium Medik*, 3(1), 18–21. <https://doi.org/10.52071/jstlm.v8i2.102>
- Retnaningrum, E., & Wilopo, W. (2018). Production And Characterization Of Biosurfactants Produced By *Pseudomonas aeruginosa* B031 Isolated From A Hydrocarbon Phytoremediation Field. *Biotropia*, 25(2), 130–139. <https://doi.org/10.11598/btb.2018.25.2.808>
- Riesenfeld, C.S., Goodman, R.M., & Handelsman, J. (2004). Uncultured Soil Bacteria Are A Reservoir Of New Antibiotic Resistance Genes. *Environmental Microbiology*, 6(1), 981–989. <https://doi.org/10.1111/j.1462-2920.2004.00664.x>
- Rizqoh, D., Kumala, W. O., Sipriyadi, S., Sinuhaji, B., & Oktoviani, O. (2021). Potensi Bakteri Endofit Andaliman (*Zanthoxylum acanthopodium* DC.) Menghambat Bakteri Penyebab Infeksi Pada Manusia. *JUMANTIK (Jurnal Ilmiah Penelitian Kesehatan)*, 6(3), 194. <https://doi.org/10.30829/jumantik.v6i3.8866>
- Rouse, S., Harnett, D., Vaughan, A., & Sinderen, D. van. (2008). Lactic Acid Bacteria With Potential To Eliminate Fungal Spoilage In Foods. *Journal of Applied Microbiology*, 104(3), 915–923. <https://doi.org/10.1111/j.1365-2672.2007.03619.x>
- Ryan, M. P., Pembroke, J. T., & Adley, C. C. (2011). Genotypic and phenotypic diversity of *Ralstonia pickettii* and *Ralstonia insidiosa* isolates from clinical and environmental sources including High-purity Water. Diversity in *Ralstonia pickettii*. *BMC Microbiology*, 11(1), 194. <https://doi.org/10.1186/1471-2180-11-194>
- Ryan, R. P., Germaine, K., Franks, A., Ryan, D. J., & Dowling, D. N. (2008). Bacterial Endophytes: Recent Developments And Applications. *FEMS Microbiology Letters*, 278(1), 1–9. <https://doi.org/10.1111/j.1574-6968.2007.00918.x>
- Sadikin, N. A. N., Bintari, S. H., Widiatningrum, T., & Dewi, P. (2021). Isolasi, Karakterisasi, Dan Uji Aktivitas Antibakteri Dari Bakteri Endofit Daun Kelor (*Moringa oleifera*). *Life Science*, 10(2), 109–119. <https://doi.org/10.15294/lifesci.v10i2.54441>
- Sari, H., & Sembiring, B. M. (2021). Efektivitas Pasta Gigi Pemutih Ekstrak Daun Alang-

- Alang (*Imperata cylindrica* L.). *BEST Journal (Biology Education, Sains and Technology)*, 4(2), 262–267. <https://doi.org/10.30743/best.v4i2.4559>
- Sari, L. M. (2019). *Aktivitas Antioksidan Dan Sitotoksitas Biji Pinang Pada Karsinoma Sel Skuamosa Mulut*. Syiah Kuala University Press. <https://books.google.co.id/books?id=scDRDwAAQBAJ>
- Sianipar, G. W. S., Sartini, S., & Riyanto, R. (2020). Isolasi dan Karakteristik Bakteri Endofit pada Akar Pepaya (*Carica papaya* L.). *Jurnal Ilmiah Biologi UMA (JIBIOMA)*, 2(2), 83–92. <https://doi.org/10.31289/jibioma.v2i2.312>
- Simon, C., & Daniel, R. (2009). Achievements And New Knowledge Unraveled By Metagenomic Approaches. *Applied Microbiology and Biotechnology*, 85(2), 265–276. <https://doi.org/10.1007/s00253-009-2233-z>
- Sinaga, C., Kreckhoff, R. L., & N., I. R. (2022). Uji Efektivitas Senyawa Antibakteri Penyebab Dari Daun Ketapang (*Terminalia Catappa* L.) Dengan Metode Ekstraksi Berbeda. *Budidaya Perairan*, 10(1), 59–65. www.aging-us.com
- Singh, A., Prakash, J., & Meghwal, P. R. (2015). *Fig(Ficus carica L.)* (Chapter 12, Issue January). ICAR-Central Arid Zone Research Institute (CAZRI). http://krishi.icar.gov.in/PDF/ICAR_Data_Use_Licence.pdf
- Solomon, A., Golubowicz, S., Yablowicz, Z., Grossman, S., Bergman, M., Gottlieb, H. E., Altman, A., Kerem, Z., & Flaishman, M. A. (2006). Antioxidant Activities And Anthocyanin Content of Fresh Fruits Of Common Fig (*Ficus carica* L.). *Journal of Agricultural and Food Chemistry*, 54(20), 7717–7723. <https://doi.org/10.1021/jf060497h>
- Solopova, A., Tilburg, A., Foito, A., Allwood, J., Stewart, D., Kulakauskas, S., & Kuipers, O. (2019). Engineering Lactococcus Lactis For The Production Of Unusual Anthocyanins Using Tea As Substrate. *Metabolic Engineering*, 54(1). <https://doi.org/10.1016/j.ymben.2019.04.002>
- Song, A., In, L., Lim, E., & Rahim, R. (2017). A Review On Lactococcus Lactis: From Food To Factory. *Microbial Cell Factories*, 16(1). <https://doi.org/10.1186/s12934-017-0669-x>
- Sophian, A., & Yustina, Y. (2023). Analisis Nilai Kemurnian DNA Menggunakan Nano Fotometer pada Rasio 260/230 yang Diisolasi dari Produk Nugget. *Muhammadiyah Journal of Nutrition and Food Science (MJNF)*, 3(2), 82–86. <http://dx.doi.org/10.24853/mjnf.3.2.82-86>
- Sreeramulu, G., Zhu, Y., & Knol, W. (2000). Kombucha Fermentation And Its Antimicrobial Activity. *Journal Of Agricultural And Food Chemistry*, 48(6), 2589–2594. <https://doi.org/10.1021/jf991333m>
- Suratissa, D. M., & Rathnayake, U. S. (2016). Diversity And Distribution Of Fauna Of The Nasese Shore, Suva, Fiji Islands With Reference To Existing Threats To The Biota. *Journal of Asia-Pacific Biodiversity*, 9(1), 11–16. <https://doi.org/https://doi.org/10.1016/j.japb.2015.12.002>
- Suri, A. P. (2022). Uji Aktivitas Ekstrak Buah Ara (*Ficus carica* L.) Terhadap Tikus Yang Di Induksi Aloksan. *Jurnal Penelitian Farmasi & Herbal*, 4(2), 63–68.

- <https://doi.org/10.36656/jpfh.v4i2.865>
- Swadaya, T., Rahimah, D. S., & Pujiastuti, E. N. Y. (2016). *Prospek Bisnis Buah Tin (I)*. Trubus Swadaya. <https://books.google.co.id/books?id=mhtHDgAAQBAJ>
- Tarigan, I. L., Latief, M., & Kafkaylea, A. (2021). *Anti bakteri: Potensi Tanaman Jambi*. Edu Publisher. <https://books.google.co.id/books?id=ehlQEAAAQBAJ>
- Tec-Campos, D., Posadas, C., Tibocha-Bonilla, J. D., Thiruppatty, D., Glonek, N., Zuñiga, C., Zepeda, A., & Zengler, K. (2023). The Genome-scale Metabolic Model For The Purple Non-Sulfur Bacterium Rhodopseudomonas Palustris Bis A53 Accurately Predicts Phenotypes Under Chemoheterotrophic, Chemoautotrophic, Photoheterotrophic, And Photoautotrophic Growth Conditions. *PLoS Computational Biology*, 19(8), 101-131. <https://doi.org/10.1371/journal.pcbi.1011371>
- Thomas, T., Gilbert, J., & Meyer, F. (2012). Metagenomics - A Guide From Sampling To Data Analysis. *Microbial Informatics and Experimentation*, 2(1). <https://doi.org/10.1186/2042-5783-2-3>
- Tiastuti, M. (2018). *Uji Aktivitas Antioksidan Dan Uji Sitotoksik Kombinasi Ekstrak Buah Tin (Ficus carica L.) Dan Minyak Zaitun (Olea europaea L.) Terhadap Sel Kanker Payudara MCF-7*. Universitas Islam Sultan Agung. <http://repository.unissula.ac.id/id/eprint/13355>
- Tin, A. (2020). Menatap Masa Depan Pendidikan Ilmu Hayati Pasca Pandemi. *Proceedings Seminar Nasional Biologi FMIPA Universitas Negeri Semarang*, 2–10. <https://proceeding.unnes.ac.id/semnasbiologi/article/view/2741/2197>
- Umbu Henggu, K., & Nurdiansyah, Y. (2022). Review dari Metabolisme Karbohidrat, Lipid, Protein, dan Asam Nukleat. *QUIMICA: Jurnal Kimia Sains Dan Terapan*, 3(2), 9–17. <https://doi.org/10.33059/jq.v3i2.5688>
- Vollmers, J., Wiegand, S., & Kaster, A. K. (2017). Comparing And Evaluating Metagenome Assembly Tools From A Microbiologist's Perspective - Not only size matters! In *PLoS ONE* 12(1). <https://doi.org/10.1371/journal.pone.0169662>
- Wahyudi, A. T., Astuti, R. I., & Priyanto, J. A. (2022). *Metode Eksperimen dalam Genetika Bakteri*. PT Penerbit IPB Press. <https://books.google.co.id/books?id=361jEAAAQBAJ>
- Wan, X., Takala, T. M., Huynh, V. A., Ahonen, S. L., Paulin, L., Björkroth, J., Sironen, T., Kant, R., & Saris, P. (2023). Comparative genomics of 40 Weissella paramesenteroides strains. In *Frontiers in Microbiology* (14). <https://www.frontiersin.org/articles/10.3389/fmicb.2023.1128028>
- Wang, X. (2016). *Next-Generation Sequencing Data Analysis*. CRC Press. <https://books.google.co.id/books?id=XW2mCwAAQBAJ>
- Wang, Y., & Dai, C. C. (2011). Endophytes: A Potential Resource For Biosynthesis, Biotransformation, And Biodegradation. *Annals of Microbiology*, 61(2), 207–215. <https://doi.org/10.1007/s13213-010-0120-6>
- Wardoyo, E. H., Sabrina, Y., Suryani, D., & Indriawan, R. (2020). Optimasi Ekstraksi DNA dari Spesimen Feses Pasien Kanker Kolorektal. *The Indonesian Journal of*

- Infectious Disease/ Volume, 6(1), 42.* <http://dx.doi.org/10.32667/ijid.v6i1.108>
- Wei, Z., Gu, Y., Friman, V.-P., Kowalchuk, G. A., Xu, Y., Shen, Q., & Jousset, A. (2019). Initial soil microbiome composition and functioning predetermine future plant health. *Science Advances, 5(9)*. <https://doi.org/10.1126/sciadv.aaw0759>
- Widada, W., Suhardi, K., Elvina, M., Susilorini, Primaningtyas, W., Setyawan, A., Suwito, J., Rifa'i, M., Rosyadi, & Vivarullah, A. (2022). *Perspektif Islamic Medicine Pada Pandemi Covid-19. Media Sains Indonesia*. <https://books.google.co.id/books?id=kVZ-EAAAQBAJ>
- Widodo, M. S. (2019). *Bakteri Asam Laktat Strain Lokal: Isolasi Sampai Aplikasi Sebagai Probiotik Dan Starter Fermentasi Susu*. UGM PRESS. <https://books.google.co.id/books?id=06NSDwAAQBAJ>
- Winarno, W. (2015). *Telomer Membalik Proses Penuaan*. Gramedia Pustaka Utama. <https://books.google.co.id/books?id=nxdIDwAAQBAJ>
- Yutika, A. M. R. (2015). Aktivitas Antibakteri Daun Kirinyuh (*Chromolaena odorata* (L.) Terhadap Bakteri Gangren. *Prosiding Seminar Nasional Kefarmasan Ke-2*, 24–25. <https://doi.org/10.25026/mpc.v2i1.43>
- Zein, M. S. A., & Prawiradilaga, D. M. (2013). *DNA Barcode Fauna Indonesia*. Prenada Media. <https://books.google.co.id/books?id=RFFADwAAQBAJ>
- Zulkarnain. (2021). Perilaku Senyawa Flavonoid Tanaman Tin (*Ficus carica* L.) Dalam Perspektif Al-Quran. *Jurnal “EDUKASIA MULTIKULTURA,”* 3(2), 1–6. <https://ejournal.iainbengkulu.ac.id/index.php/index/search/authors/view?>