

DAFTAR PUSTAKA

- Adhayanti, I., Abdullah, T., & Romantika, R. (2018). Uji Kandungan Total Polifenol dan Flavonoid Ekstrak Etil Asetat Kulit Pisang Raja (*Musa paradisiaca* var.*sapientum*). *Media Farmasi*, 14(1), 146-152.
- Aktumsek, A., Zengin, G., Guler, G. O., Cakmak, Y. S., & Duran, A. (2013). Antioxidant Potentials and Anticholinesterase Activities of Methanolic and Aqueous Extracts of Three Endemic *Centaurea* L. species. *Food Chem Toxicol*, 55, 290-296.
- Amanda, H., Afrida., Farid, F., Dwilistiani, D., Ningsih, H. (2019). The Isolation and Characterization of Phenolic Compound of Euphorbia Plant/Patikan Cina (*Euphorbia thymifolia* Linn). *Journal of Chemical Natural Resources*, 1(1), 40-44.
- Andriani, D., & Murtisiwi, L. (2020). Uji Aktivitas Antioksidan Ekstrak Etanol 70% Bunga Telang (*Clitoria ternatea* L.) dari Daerah Sleman dengan Metode DPPH. *Jurnal Farmasi Indonesia*, 17(1), 70-76.
- Anggraito, Y. U., Susanti, R., Iswari, R. S., Yuniautti, A., Lisdiana, WH, N., Habibah, N. A., & Bintari, S. H. (2018). *Metabolit Sekunder dari Tanaman : Aplikasi dan Produksi*. Semarang : Universitas Negeri Semarang.
- Aparna, B. & Hema, B. P. (2022). Preliminary Screening and Quantification of Flavonoids in Selected Seeds of Apiaceae by UV-Visible Spectrophotometry with Evaluation Study on Different Alumunium Chloride Complexation Reaction. *Indian Journal of Science and Technology*, 15(18), 857-868.
- Aryal, S. (2022). *Biochemical Test of Serratia marcescens*. Microbe Notes. Diakses pada 7 Desember 2022, dari <https://microbenotes.com/biochemical-test-of-serratia-marcescens/>
- Aryal, S. (2022). *MRS Broth Test – Principle, Procedure, Uses, and Interpretation*. Microbiology Info. Diakses pada 13 Juni 2023, dari <https://microbiologyinfo.com/mrs-broth-test/>
- Astutik, P., Yuswantina, R., & Vifta, R. L. (2021). Perbandingan Aktivitas Antifungi Ekstrak Etanol 70% dan 96% Buah Parijoto (*Medinilla speciosa*) terhadap *Candida albicans*. *Journal of Holistics and Health Sciences*, 3(1), 32-41.
- Brooks, G. F., Karen, C. C., & Janet, B. (2007). *Medical Microbiology 24th Ed.* USA : Mc Graw Hill.
- Castelee. (1981). The Phenolics and a Hydrolysable Tannin Polyphenol Oxidase of *Medinilla magnifica*. *Phytochemistry*, 20(5), 1105-1112.

- Chibane, L. B., forquet, V., Lanteri, P., Clement, Y., Akkari, L. L., Oulahal, N., Degraeve, P., & Bordes, C. (2019). Antibacterial Properties of Polyphenol: Characterization and QSAR (Quantitative Structure-Activity Relationship) Models. *Frontiers in Microbiology*, 10:829.
- Cuvelier, M. E., Richard, H., & Berset, C. (1992). Comparison of the Antioxidative of Some Acid Phenols : Structure-Activity Relationship. *Biosci. Biotechnol. Biochem*, 56(2), 105-111.
- Fadarinal., Purnamasari, I., & Fajar, R. (2020). Efisiensi Mesin Pengering Beku Vakum pada Pengeringan Cabai Merah (*Capsicum unnum* L). *Jurnal Kinetika*, 11(1), 1-8.
- Farida, R. N., Vifta, R. L., & Erwiyan, A. R. (2021). Uji Aktivitas Antibakteri Ekstrak Buah Parijoto (*Medinilla Speciosa* B.) dengan Perbandingan Pelarut Etanol 70% dan Etanol 96% terhadap Bakteri *Pseudomonas Aeruginosa*. *Indonesia Journal of Pharmacy and Natural Product*, 4(1), 8-15.
- Hamidu, L., Ahmad, A. R., & Najib, A. (2018). Qualitative and Quantitative Test of Total Flavonoid Buni Fruit (*Antidesma bunius* (L.) Spreng) with UV-Vis Spectrophotometry Method. *Pharmacogn J*, 10(1), 60-63.
- Huntress, A. (2021). *Is Your Bacterial Culture Still Growing? A Primer on OD₆₀₀ Measurements*. Cells and Model Organism. Diakses pada 13 Juni 2023, dari <https://bitesizebio.com/41100/is-your-bacterial-culture-still-growing/>
- Ikalinus, R., Widyastuti, S., & Setianingsih, N. (n.d.). Skrining Fitokimia Ekstrak Etanol 50% Kulit Buah Manggis (*Garcinia mangostana* L.) dengan Bentuk Mikropartikelnya Menggunakan Metode DPPH. *Skrripsi*, Jakarta : UIN Syarif Hidayatullah.
- Imrawati, Mus, S., Gani, S. A., & Bubua, K. I. (2017). Antioxidant Activity of Ethyl Acetate Fraction of *Muntingia calabura* L. Leaves. *Journal of Pharmaceutical and Medicinal Sciences*, 2(2), 59-62.
- Jiao, J., Du, J., Frediansyah, A., Jahanshah, G., & Gross, H. (2019). Structure Elucidation and Biosynthetic Locus of Trinickiabactin from the Plant Pathogenic Bacterium *Trinickia caryophylli*. *The Journal of Antibiotics*, 73(1), 28-34.
- Julianto, T. S. (2019). *Fitokimia Tinjauan Metabolit Sekunder dan Skrining Fitokimia*. Yogyakarta : Universitas Islam Indonesia.
- Junaidi, L., Wijaya, H., Jarief, R. S., & Angkasa, D. (2021). Pengaruh Proses Fermentasi dan Non-fermentasi serta Pengeringan dengan Metode Spray Drying terhadap Mutu Serbuk Minuman Instan dari Buah Naga Merah (*Hylocereus polyrhizus*). *Warta IHP*, 38(2), 98-107.

- Khanafari, A., Assadi, M. M., & Fakhr, F. A. (2006). Review of Prodigiosin, Pigmentation in *Serratia marcescens*. *Journal of Biological Science*, 6(1), 1-13.
- Krisnaningsih, A. T., Rariati, L. E., Purwadi., Evanuarini, H., Rosyidi, D. (2019). The Effect of Incubation Time to the Physicochemical and Microbial Properties of Yogurt with Local Taro (*Colocasia esculenta* (L.) Schott) Starch as Stabilizer. *Current Research in Nutrition and Food Science*, 6(1), 1-13.
- Kumar, K., Srivastav, S., & Sharanagat, V. S. (2020). Ultrasound Assisted Extraction (UAE) of Bioactive Compounds from Fruit and Vegetable Processing By-Product: A Review. *Ultrasonics Sonochemistry*, 105325.
- Kuria, M. W., Matofari, J. W., & Nduko, J. M. (2021). Physicochemical, Antioxidant, and Sensory Properties of Functional Mango (*Mangifera indica* L.) Leather Fermented by Lactic Acid Bacteria. *Journal of Agriculture and Food Research*, 6, 100206.
- Kusuma, G. P. A. W., Nocianitri, K. A., & Pratiwi, I. D. P. K. (2020). Pengaruh Lama Fermentasi Terhadap Karakteristik Fermented Rice Drink Sebagai Minuman Probiotik Dengan Isolat *Lactobacillus* sp. F213. *Jurnal Itepa*, 9(2), 182-193.
- Kusumawati, A. H., Farhamzah, F., Alkandahri, M.Y., Sadino, A., Agustina, L. S., & Apriana, S. D. (2021). Antioxidant Activity and Sun Protection Factor of Black Glutinous Rice (*Oryza sativa* var *glutinosa*). *Tropical Journal of Natural Product Research*, 5(11), 1958-1961.
- Kusumorini, N., Nugroho, A. K., Pramono, S., & Martien, R. (2021). Determination of the Potential Antioxidant Activity of Isolated Piperine from White Pepper Using DPPH, ABTS, and FRAP Methods. *Majalah Farmaseutik*, 18(4), 454-461.
- Kwaw, E., Ma, Y., Tchabo, W., Apaliya, M. T., Wu, M., Sackey, A. S., Xiao, L., & Tahir, H. E. (2018). Effect of *Lactobacillus* Strains on Phenolic Profile, Color Attributes and Antioxidant Activities of Lactic Acid Fermented Mulberry Juice. *Food Chemistry*, 22198.
- Li, T., Jiang, T., Liu, N., Wu, C., Xu, H., & Lei, H. (2021). Biotransformation of Phenolic Profiles and Improvement of Antioxidant Capacities in Jujube Juice by Select Lactic Acid Bacteria. *Food Chemistry*, 339, 127859.
- Li, Z., Teng, J., Lyu, Y., Hu, X., Zhao, Y., & Wang, M. (2019). Enhanced Antioxidant Activity for Apple Juice Fermented with *Lactobacillus plantarum* ATCC14917. *Molecules*, 24, 51-62.
- Markham, K. R. (2015). *Techniques of Flavonoids Identifications*. Bandung : ITB Press.

- Marwah, S., Poernomo, A. T., & Hendradi, E. (2023). Study of Growth Curveof *Lactobacillus plantarum* FNCC 0026 and Its Antibacterial Activity. *Jurnal Farmasi dan Kefarmasian Indonesia*, 10(1), 38-43.
- Milanda, T., Lestari, K., & Tarina, N. T. I. (2021). Antibacterial Activity of Parijoto (*Medinilla speciosa* Blume) Fruit Against *Serratia marcescens* and *Staphylococcus aureus*. *Indonesian Journal of Pharmaceutical Science and Technology*, 8(2), 76-85.
- Moussaoui, T., Khali, M., & Madi, N. (2021). Application of Response Surface Methodology for the Co-optimization of Extraction and Probiotication of Phenolic Compounds from Pomegranate Fruit Peels (*Punica granatum* L.). *Journal of Food Measurement and Characterization*, 15, 3618-3633.
- Ncube, N. S., Afolayan, A. J., & Okok, A. I. (2008). Assesment Technique of Antimicrobial Properties of Natural Compounds of Plant Origin: Current Methods and Future Trends. *African J Biotech*, 7(12), 1797-1806.
- Ngibad, K., & Lestari, L. P. (2020). Aktivitas Antioksidan dan Kandungan Fenolik Total Daun Zodia (*Evodia suaveolens*). *Alchemy Jurnal Penelitian Kimia*, 16(1), 94-109.
- Nurhayati, L. S., Yahdiyani, N., & Hidayatulloh, A. (2020). Perbandingan Pengujian Aktivitas Antibakteri Starter Yogurt dengan Metode Difusi Sumuran dan Metode Difusi Cakram. *Jurnal Teknologi Hasil Peternakan*, 1(2), 41-46.
- Nurmila., Sinay, H., & Watuguly, T. (2019). Identifikasi dan Analisis Kadar Flavonoid Ekstrak Getah Angsana (*Pterocarpus indicus* Willd). *Biopendix*, 5(2), 65-71.
- Ochieng, J. B. (2014). *Serratia marcescens* is Injurious to Intestinal Epithelial Cells. *National Centre for Biotechnology Information*, 5(6), 729-736.
- Okfrianti, Y., Darwis, & Pravita, A. (2018). Bakteri Asam Laktat *Lactobacillus plantarum* C410LI dan *Lactobacillus rossiae* LS6 yang Diisolasi dari Lemea Rejang terhadap Suhu, pH dan Garam Empedu Berpotensi sebagai Prebiotik. *Jurnal Ilmu dan Teknologi Kesehatan*, 6(1), 49-58.
- Pambudi, A., Syaefudin, Noriko, N., Swandari, R., & Azura, P. R. (2014). Identifikasi Bioaktif Golongan Flavonoid Tanaman Anting-Anting (*Acalypha indica* L.). *Jurnal Al-Azhar Indonesia Seri Sains dan Teknologi*, 2(3), 178-187.
- Park, S., Jeong, B., Song, W., Jung, J., & Chun, J. (2021). Enhancement of Functional and Sensory Properties of Eastern Prickly Pear (*Opuntia humifusa*) by Fermentation with Yuza Peel and Guava Leaf. *Food Bioscience*, 41, 1-12.

- Poli, A. R., Katja, D. G., & Aritonang, H. F. (2022). Potensi Antioksidan Ekstrak dari Kulit Biji Matoa (*Pometia pinnata* J. R & G. Forst). *Chem. Prog.*, 15(1), 25-30.
- Prakash, A. (2001). Antioxidant Activity. *Meddalion Laboratories Analytical Progress*, 19(2).
- Pratama, D. R., Melia, S., & Purwati, E. (2020). Perbedaan Konsentrasi Kombinasi Starter Tiga Bakteri terhadap Total Bakteri Asam Laktat, Nilai pH, dan Total Asam Tertitrasi Yogurt. *Jurnal Peternakan Indonesia*, 22(3), 339-345.
- Rahmiati, & Mumpuni, M. (2017). Eksplorasi Bakteri Asam Laktat Kandidat Probiotik dan Potensinya dalam Menghambat Bakteri Patogen. *Journal of Islamic Science and Technology*, 3(2), 141-150.
- Rosidah, U. (2016). Tepung Ampas Tahu Sebagai Media Pertumbuhan Bakteri *Serratia marcescens*. *Skripsi*, Fakultas Ilmu Keperawatan dan Kesehatan Universitas Muhammadiyah Semarang.
- Rudiyanto, A. (2015, Juni 26). *Parijoto (Medinilla speciosa)*. Biodiversity warriors. Diakses 7 Desember 2022, dari <https://biodiversitywarriors.kehati.or.id/artikel/parijoto-medinilla-speciosa/>
- Rumpf, J., Burger, R., & Schulze, M. (2023). Statistical Evaluation of DPPH, ABTS, FRAP, and Folin-Ciocalteu Assay to Assess the Antioxidant Capacity of Lignins. *International Journal of Biological Macromolecules*, 123470.
- Sa'adah, N. N., Indiani, A. M., Nurhayati, A. P. D., & Ashuri, N. M. (2020). Bioprospecting of Parijoto Fruit Extract (*Medinilla speciosa*) as Antioxidant and Immunostimulant: Phagocytosis Activity of Macrophage Cells. *AIP Conference Proceedings*, 2260(1), 040019.
- Sami, F. J., & Rahimah, S. (2013). Uji Aktivitas Antioksidan Ekstrak Metanol Bunga Brokoli (*Brassica oleraceae* L. var *Italicca*) dengan Metode DPPH (2,2-diphenyl-1-picrylhydrazyl) dan Metode ABTS (2,2-azinobis(3-ethylbenzotiazolin)-6-asam sulfonat). *Jurnal Fitofarmaka*, 2(2), 107-110.
- Sari, Z. A. A., & Febriawan, R. (2021). Perbedaan Hasil Uji Aktivitas Antibakteri Metode Well Diffusion dan Kirby Bauer terhadap Pertumbuhan Bakteri. *Jurnal Medika Hutama*, 2(4), 1156-1162.
- Sariadji, K., & Masri, S. (2019). Kajian Pustaka : Uji Kepekaan Antibiotik pada *Corynebacterium Diphteriae*. *Jurnal Biotek Medisiana Indonesia*, 8(2), 121-133.
- Setiawan, F., Yunita, O., & Kurniawan, A. (2018). Uji Aktivitas Antioksidan Ekstrak Etanol Kayu Secang (*Caesalpinia sappan*) Menggunakan Metode

- DPPH, ABTS, dan FRAP. *Media Pharmaceutica Indonesiana*, 2(2), 82-89.
- Silva, N. M. M., Silva, I. S. M., Pires, R. F. S., Vasconcelos, T. L. C., Viana, M. D. M., Campessato, E. A., Conserva, L. M., Rocha, E. M. M., Araujo, E. C., Araujo, Jr.J.X., & Bastos, M. L. (2015). In Vitro Evaluation of Antimicrobial, Antioxidant, and Larvicidal Activities from Extract of *Zeyheria tuberlusa* (Vell) Bur. (Biognoniace). *Journal of Chemical and Pharmaceutical Research*, 7, 319-328.
- Siqhny, Z. D., Azkia, M. N., & Kunarto, B. (2020). Karakteristik Nanoemulsi Ekstrak Buah Parijoto (*Medinilla speciosa* B.). *Jurnal Teknologi Pangan dan Hasil Pertanian*, 15(1), 1-10.
- Slizewska, K., & Chlebicz-Wojcik, A. (2020). Growth Kinetics of Probiotic Lactobacillus Strain in the Alternative, Cost-Efficient Semi-Solid Fermentation Medium. *Biology*, 9(12), 423.
- Soysa, H. S. M., Kumsaoad, S., AmornloetwaTATma, R., Watanabe, T., & Suginta, W. (2022). Single-Channel Characterization of the Chitooligosaccharide Transporter Chitoporin (SmChiP) from the Opportunistic Pathogen *Serratia marcescens*. *Journal of Biological Chemistry*, 1-22.
- Stock, I., Grueger, T., & Wiedemann, B. (2003). Natural Antibiotic Susceptibility of Strain of *Serratia marcescens* and the *S. liquefaciens* complex: *S. liquefaciens* sensu stricto, *S. proteamaculans* and *S. grimesii*. *Int J Antimicrob Agents*, 22(1), 35-47.
- Sugiarti, L., & Fitrianingsih, S. (2018). Aktivitas Antibakteri Ekstrak Etanol Daun Parijoto (*Medinilla speciosa* B.) terhadap Pertumbuhan Bakteri *Propionibacterium acnes* dan *Staphylococcus aureus*. *Cendekia Journal of Pharmacy*, 2(1), 60-67.
- Sugiarti, L., Susiloningrum, D., Fitriah, N. G., & Farchati, L. (2019). Potensi Sediaan Gel Handsanitiser Ekstrak Tangkai Buah Parijoto (*Medinilla speciosa*) dalam Menghambat Bakteri Patogen *Escherichia coli* dan *Staphylococcus aureus*. *Cendekia Journal of Pharmacy*, 3(1), 18-24.
- Syahara, S., & Yulia, V. (2020). Penyuluhan Pemanfaatan Buah Tomat Sebagai Produk Kosmetik Antioksidan Alami Di Desa Manunggang Julu. *Jurnal Education and development Institut Pendidikan Tapanuli Selatan*, 8(1), 21-28.
- Vifta, R. L., & Advistasari, Y. D. (2018). Skrining Fitokimia, Karakterisasi, dan Penentuan Kadar Flavonoid Total Ekstrak dan Fraksi-Fraksi Buah Parijoto (*Medinilla speciosa* B.). *Prosiding Seminar Nasional Unimus*, 1, 8-14.

- Wahdaningsih, S., Setyowati, E. P., & Wahyuono, S. (2011). Aktivitas Penangkapan Radikal Bebas dari Batang Pakis (*Alsophila glauca* J.Sm). *Majalah Obat Tradisional*, 16(3), 156-160.
- Chen, W., Xie, C., He, Q., Sun, J., & Bai, W. (2023). Improvement in Color Expression and Antioxidant Activity of Strawberry Juice Fermented with Lactic Acid Bacteria: A Phenolic-Based Research. *Food Chemistry: X*, 100535.
- Wijayanti, R., Wahyuono, S., Puspitasari, I., & Rizal, D. M. (2022). Isolation and Identification of Phytoconstituens from Methanol Extract Parijoto (*Medinilla speciosa*). *Research J. Pharm. and Tech*, 15(10), 4395-4404.
- Winarsih, H. (2007). *Antioksidan Alami dan Radikal Bebas: Potensi dan Aplikasinya dalam Kesehatan*. Yogyakarta: Kanisius.
- Wotton-Beard, P. C., Moran, A., & Ryan, L. (2011). Stability of the Total Antioxidant Capacity and Total Polyphenol Content of 23 Commercially Available Vegetable Juices Before and After in vitro Digestion Measured by FRAP, DPPH, ABTS and Folin-Ciocalteu Methods. *Food Res. Int*, 44(1), 217-224.
- Yang, J., Sun, Y., Gao, T., Wu, Y., Sun, H., Zhu, Q., Liu, C., Zhou, C., Han, Y., & Tao, Y. (2022). Fermentation and Storage Characteristics of Fuji Apple Juice Using *Lactobacillus acidophilus*, *Lactobacillus casei*, and *Lactobacillus plantarum*: Microbial Growth, Metabolism of Bioactivities and in vitro Biactivities. *Front. Nutr*, 9, 833906.
- Yilmaz, B., Bangar, S. P., Echegaray, N., Suri, S., Tomasevic, I., Lorenzo, J. M., Melekoglu, E., Rocha, J. M., & Ozogul, F. (2022). The Impacts of *Lactiplantibacillus plantarum* on the Functional Properties of Fermented Foods: A Review of Current Knowledge. *Microorganisms*, 10(826), 1-18.
- Zhang, Y. (2013). *Ascorbic Acid Plants Biosynthesis, Regulation and Enchacemeny*. China: Huangzhong Agriculture University.
- Zhou, Y., Wang, R., Zhang, Y., Yang, Y., Sun, X., Zhang, Q., & Yang, N. (2020). Biotransformation of Phenolics and Metabolites and the Change in Antioxidant Activity in Kiwifruit Induced by *Lactobacillus plantarum* Fermentation. *J Sci Food Agric*, 100(8), 3283-3290.