

- Abdel-Shafy, H., & Mansour, M. S. M. (2017). Polyphenols: Properties, Occurrence, Content in Food and Potential Effects. In I. R. Prof. Bhola R Gurjar (Ed.), *Environ. Sci. & Engg.: Toxicology* (Vol. 6, pp. 232–261). Retrieved from [https://www.researchgate.net/publication/313638203\\_Polyphenols\\_Properties\\_Occurrence\\_Content\\_in\\_Food\\_and\\_Potential\\_Effects](https://www.researchgate.net/publication/313638203_Polyphenols_Properties_Occurrence_Content_in_Food_and_Potential_Effects)
- Adamczyk, B., Simon, J., Kitunen, V., Adamczyk, S., & Smolander, A. (2017). Tannins and Their Complex Interaction with Different Organic Nitrogen Compounds and Enzymes: Old Paradigms versus Recent Advances. *ChemistryOpen*, 6(5), 610–614. <https://doi.org/10.1002/open.201700113>
- Adrianta, K. . (2020). Aktivitas Antioksidan Daun Magenta (Peristrophe Bivalvis (L.) Merr) Sebagai Salah Satu Kandidat Pengobatan Bahan Berbasis Herbal Serta Bioaktivitasnya Sebagai Analgetik. *Jurnal Ilmiah Medicamento*, 6(1), 33–39. <https://doi.org/10.36733/medicamento.v6i1.745>.
- Angerhofer, D., Dehne, H., Klar, G., Parlar, H., & Pfeiffer, W.-D. (2014). *Houben-Weyl Methods of Organic Chemistry Vol. E 9a, 4th Edition Supplement: Hetarenes IV (Six-Membered Rings and Larger Hetero Rings with Maximum Unsaturation) - Part I*. Jerman: Georg Thieme Verlag.
- Bai, F., Wang, Y., Zhang, S., Wang, Y., Zhang, J., Junwei, C., & Sun, L. (2020). Caffeoyl substitution changes the inhibition mode of tartaric acid against  $\alpha$ -amylase: Analysis of the enzyme inhibition by four caffeic and tartaric acid derivatives. *LWT*, 133, Article 109942. <https://doi.org/https://doi.org/10.1016/j.lwt.2020.109942>
- Battistia, R., Fronza, N., Vargas, Á. J., da Silveira, Sheila Mello., Damas, M. S. P., & Quadri, M. G. N. (2017). Gelatin-Coated Paper with Antimicrobial and Antioxidant Effect for Beef Packaging. *Food Packaging and Shelf Life*, 11, 115–124. <https://doi.org/https://doi.org/10.1016/j.fpsl.2017.01.009>
- BPS. (2021). BPS.
- Chakraborty, J. N. (2014). *Fundamentals and practices in colouration of textiles*. India: Woodhead Publishing India Pvt. Ltd. <https://doi.org/https://doi.org/10.1016/B978-93-80308-46-3.50017-0>
- Cho, G.-L., & Ha, J.-W. (2021). Synergistic Effect of Citric Acid and Xenon Light for Inactivating Foodborne Pathogens on Spinach Leaves. *Food Research International*, 142(3), 110210. <https://doi.org/https://doi.org/10.1016/j.foodres.2021.110210>
- Corral, Maria Fraga., Oliveira, P. G., Pereira, A. G., Lopes, C. L., Lopez, C. J., Prieto, M. A., & Gandara, J. S. (2020). Technological Application of Tannin-Based Extracts, Review. *Molecules*, 25, 614. <https://doi.org/10.3390/molecules25030614>
- Dahlan, Z. A. J. (2018). *Penentuan Kondisi Operasi Optimum Ekstraksi Menggunakan Response Surface Method dan Studi Pengawetan Zat Warna Alami Pada Ekstrak Daun Ketepeng (Terminalia catappa)*. Universitas Gadjah Mada.
- Dahlan, Z. A. J., Rahayuningsih, E., & Yulianto, A. T. (2018). Optimasi Kondisi Operasi Ekstraksi Zat Warna Alami dari Daun Ketepeng ( Terminalia Catappa ) Menggunakan Response Surface Method, (April), 1–7.
- Donovan, L. O., & Brooker, J. D. (2001). Effect of hydrolysable and condensed tannins on growth , morphology and metabolism of Streptococcus gallolyticus (S. caprinus) and Streptococcus bovis. *Microbiology*, 147, 1025–1033.
- Evitasari, R. (2019). *Peningkatan Ketahanan Luntur pada Pewarnaan Kain Katun Menggunakan Zat Warna Alami dari Daun Noja (Peristrophe bivalvis) Dengan Variasi Jenis Mordan dan UV Absorber*. Universitas Gadjah Mada.

- Fardiaz, S. (1992). *Mikrobiologi Pengolahan Pangan Lanjut*. Bogor: IPB.
- Goldberg, I., & Rokem, J. . (2009). *Organic and Fatty Acid Production, Microbial. Encyclopedia of Microbiology* (3rd Editio). <https://doi.org/https://doi.org/10.1016/B978-012373944-5.00156-5>
- Gulcin, I., Huyut, Z., Elmastas, M., & Aboul-Enein, H. Y. (2010). Radical Scavenging and Antioxidant Activity of Tannic Acid. *Arabian Journal of Chemistry*, 3(1), 43–53.
- Gutler, J., & Mai, T. (2014). PRESERVATIVES | Traditional Preservatives – Organic Acids. In *Encyclopedia of Food Microbiology* (pp. 119–130). <https://doi.org/https://doi.org/10.1016/B978-0-12-384730-0.00260-3>.
- Hajidazeh, S., & Jamei, R. (2015). Stability of anthocyanin-copigment complex under the effect of copigment concentration in black dezfully mulberry in sanandaj. In *Second National Conference on Medicinal Plants and Sustainable Agriculture*. Retrieved from <https://civilica.com/doc/305973/>
- Kang, J.-W., Lee, H.-Y., & Kang, D.-H. (2021). Synergistic Bactericidal Effect of Hot Water with Citric Acid Against Escherichia coli O157:H7 Biofilm Formed on Stainless Steel. *Food Microbiology*, 95, Article 103676. <https://doi.org/https://doi.org/10.1016/j.fm.2020.103676>
- Koleckar, V., Kubikova, K., Rehakova, Z., & Kuca, K. (2008). Condensed and Hydrolysable Tannins as Antioxidants Influencing the Health. *Mini Reviews in Medicinal Chemistry*, 8(5), 436–447. <https://doi.org/10.2174/138955708784223486>
- Kopjar, M., & Pilizota, V. (2009). Copigmentation effect of phenolic compounds on red currant juice anthocyanins during storage. *Croatian Journal Food Science Technology*, 1(2), 16–20.
- Kukula-Koch, W. A., & Widelski, J. (2017). Chapter 9 – Alkaloids. In *Pharmacognosy, Fundamental, Applications and Strategies* (pp. 163–198). <https://doi.org/https://doi.org/10.1016/B978-0-12-802104-0.00009-3>.
- Moresi, M., & Parente, E. (1999). *Encyclopedia of Food Microbiology*. <https://doi.org/https://doi.org/10.1006/rwfm.1999.0605>
- Narkprasom, K., Su, W.-L., Cheng, M.-Y., Wang, S.-P., Hsiao, S.-M., & Tsai, P.-J. (2012). Relative Effects of Alcohol and pH on Betacyanin Stability in Aqueous Djulis Extracts and Their Color Qualities After Organic Acid Addition. *Journal of Food Quality*, 35, 283–291. <https://doi.org/10.1111/j.1745-4557.2012.00453.x>
- Nusantara, Y. P., Lestario, L. N., & Martono, Y. (2017). Pengaruh Penambahan Asam Galat Sebagai Kopigmen Antosianin Murbei Hitam (*Morus nigra* L) terhadap Stabilitas Termal. *Agritech*, 37(4), 428–436.
- Parker, N., Schneegurt, M., Tu, A.-H. T., Lister, P., & Forster, B. M. (2021). The Effects of pH and Temperature on Microbial Growth. Retrieved September 23, 2021, from [https://bio.libretexts.org/Courses/Manchester\\_Community\\_College\\_\(MCC\)/Remix\\_of\\_Openstax%3AMicrobiology\\_by\\_Parker\\_Schneegurt\\_et\\_al/08%3A\\_Microbial\\_Growth/8.03%3A\\_The\\_Effects\\_of\\_pH\\_on\\_Microbial\\_Growth](https://bio.libretexts.org/Courses/Manchester_Community_College_(MCC)/Remix_of_Openstax%3AMicrobiology_by_Parker_Schneegurt_et_al/08%3A_Microbial_Growth/8.03%3A_The_Effects_of_pH_on_Microbial_Growth)
- Pizzolato, P., & Lillie, R. . (1973). Mayer's Tannic Acid - Ferric Chloride Stain for Mucins. *The Journal of Histochemistry and Cytochemistry*, 21(1), 56–64.
- Pop, F., & Mihalescu, L. (2016). Effects of  $\alpha$ -Tocopherol and Citric Acid on the Oxidative Stability of Alimentary Poultry Fats During Storage at Low Temperatures. *International Journal of Food Properties*, 20(5), 1085–1096. <https://doi.org/https://doi.org/10.1080/10942912.2016.1199037>
- Quan, N. V., Khang, D. T., Minh Ngoc, T., Nobukazu, N., Xuan, T. D., & Dep, L. T. (2016). The Potential Use of a Food-Dyeing Plant *Peristrophe bivalvis* (L.) Merr. in Northern Vietnam. *International Journal of Pharmacology, Phytochemistry and*

<https://doi.org/doi:10.18052/www.scipress.com/IJPPE.4.14>

- Rahayuningsih, E., & Muslimin, M. . (2017). *Laporan Penelitian Ekstraksi Zat Warna Alami dari Daun Noja*. Universitas Gadjah Mada, Yogyakarta.
- Rahayuningsih, Edia, Budhijanto, W., Rosyid, R. I., & Ayuningtyas, Y. I. (2019). Pengawetan Ekstrak Zat Warna Alami dari Gambir (*Uncaria gambir*) dalam Pelarut Air. *JTKI*, 18(1), 22–29. <https://doi.org/10.5614/jtki.2019.18.1.4>
- Ramadhan, K., & El-Hadidy, E. (2015). Color stability of anthocyanin-based extracts in non-traditional sources: improvement of thermal stability by tannic acid. *Journal Biology Chemistry Environment Science*, 10(3), 1–19.
- Rima, M., Yogi, S., Nurul, A., & Ellis, N. (2018). Habitat Study and Contribution of Micro Climate and Luja (*Peristrophe bivalvis* Merrill) Leaf Extraction as Natural Dyes For Textile in North Maluku. *Biotika*, 3(22), 23–29.
- Rodrigues, A. . (2016). Chapter 6 - Secondary Metabolism and Antimicrobial Metabolites of *Aspergillus*. In *New and Future Developments in Microbial Biotechnology and Bioengineering - Aspergillus System Properties and Applications* (pp. 81–93). Elsevier B.V. <https://doi.org/https://doi.org/10.1016/B978-0-444-63505-1.00006-3>
- Song, S., Zhang, C., Chen, Z., Wei, J., Tan, H., & Li, X. (2019). Hydrolysis and photolysis of bentazone in aqueous abiotic solutions and identification of its degradation products using quadrupole time-of-flight mass spectrometry. *Environmental Science and Pollution Research*, 26, 10127–10135. <https://doi.org/https://doi.org/10.1007/s11356-019-04232-z>
- Sugiyana, D., & Notodarmojo, S. (2015). Studi Mekanisme Degradasi Fotokatalitik Zat Warna Azo Acid Red 4 Menggunakan Katalis Mikropartikel TiO<sub>2</sub>. *Arena Tekstil*, 30(2), 83–94.
- Thuy, T. T., Lam, T. H., Huong, N. T. T., Nhung, L. T. H., Ninh, P. T., Anh, N. T. H., ... Sung, T. Van. (2012). Natural Phenoxazine Alkaloids From *Peristrophe bivalvis* (L.) Merr. *Biochemical Systematic and Ecology*, 44, 205–207. <https://doi.org/10.1016/j.bse.2012.05.009>
- Ulma, Z., Rahayuningsih, E., & Wahyuningsih, T. D. (2018). Methylation of Brazilein on Secang (*Caesalpinia sappan* Linn ) Wood Extract for Maintain Color Stability to the Changes of pH. In *IOP Conf. Series: Materials Science and Engineering* 299 (pp. 1–7). <https://doi.org/10.1088/1757-899X/299/1/012075>
- Wikipedia.com. Diakses Juli 2020 pukul 10.00 WIB.
- Woodard & Curran, I. (2006). Methods for Treating Wastewater from Industry – Chapter 7. In *Industrial Waste Treatment Handbook (Second Edition)* (pp. 149–334).
- Xu, H., Shen, L., Xu, L., & Yang, Y. (2015). Low-Temperature Crosslinking of Proteins Using Non-Toxic Citric Acid in Neutral Aqueous Medium: Mechanism and Kinetic Study. *Industrial Crops and Products*, 74, 234–240. <https://doi.org/https://doi.org/10.1016/j.indcrop.2015.05.010>