

## DAFTAR PUSTAKA

- Abdullah, M., Mustikaningtyas, D., & Widiatningrum, T. (2010). Inventaritation of Medicinal Plant Species at Lowland Rain Forest of Nyamplung Village of Karimunjawa Island. *Biosaintifika*, 2(2), 75–81.
- Al Amin, R., Ihsan, E., & Diar Herawati, S. (2017). Perbandingan Aktivitas Antioksidan Alami Rutin terhadap Antioksidan Butyl Hidroksi Anisol ( BHA ) dengan Metode Peredaman. *SpeSIA*, 3(2), 316–320.
- Alikwe, P. C. ., Ohimain, El. I., & Omotosho, S. M. (2014). Evaluation of the Proximate, Mineral, Phytochemical and Amino Acid Composition of Bidens Pilosa as Potential Feed/Feed Additive for Non-Ruminant Livestock. *Animal and Veterinary Sciences*, 2(2), 18. <https://doi.org/10.11648/j.av.s.20140202.11>
- American Society for Testing and Materials (ASTM). (2002). American Society for Testing and Materials (ASTM). In *Www.Astm.Org*.
- Amiludin, Wahyuni, S., & Asyik, N. (2018). Pengembangan Vegetable Leather Daun Tawa'oloho (*Spondias pinnata*) Dan Rumput Laut (*Eucheuma cottonii*). *Jurnal Sains Dan Teknologi Pangan*, 3(2), 1140–1151. <http://ojs.uho.ac.id/index.php/jstp/article/viewFile/4417/3412>
- Ariesta, M. (2016). Variasi Jenis Bahan Pengikat dan Konsentrasi Gliserol Sebagai Plasticizer Pada Pembuatan Vegetable Leather Daun Katuk ( *Sauropus androgynous* ). *Jurnal Penelitian Tugas Akhir, Universitas Pasundan*, Bandung.
- Ariska, R. E., & Suyatno. (2015). Pengaruh Konsentrasi Karagenan Terhadap Sifat Fisik dan Mekanik Edible Film dan Pati Bonggol Pisang dan Karagenan dengan Plasticizer Gliserol. *Prosiding Seminar Nasional Kimia. Jurusan Kimia FMIPA Universitas Negeri Surabaya*.
- Artanti Putri, R. D., Pangestu, M. A. Y., & Husein, M. (2020). *Physical Properties of Edible Film from Tilapia Bones (Oreochromis niloticus) with Addition of Caragenan (Kappaphycus alvarezii)*. *Eic* 2018, 413–420. <https://doi.org/10.5220/0009012304130420>

- Arthur, G. ., Coopoosamy, R., & Naidoo, K. (2012). *Bidens pilosa* L.: Agricultural and pharmaceutical importance. *Journal of Medicinal Plants Research*, 6(17). <https://doi.org/10.5897/jmpr12.195>
- Bartolome, A. P., Villaseñor, I. M., & Yang, W. C. (2013). *Bidens pilosa* L. (Asteraceae): Botanical properties, traditional uses, phytochemistry, and pharmacology. *Evidence-Based Complementary and Alternative Medicine*, 2013. <https://doi.org/10.1155/2013/340215>
- Damanis, F. V. M., Wewengkang, D. S., & Antasionasti, I. (2020). Uji AKTIVITAS ANTIOKSIDAN EKSTRAK ETANOL ASCIDIAN *Herdmania Momus* DENGAN METODE DPPH (1,1-difenil-2-pikrilhidrazil). *Pharmacon*, 9(3), 464. <https://doi.org/10.35799/pha.9.2020.30033>
- Dewi, C. (2012). *Study Of Carrageenan And Carboxymethylcellulose Coating Incorporated With Clove Essential Oil On Microbial Quality Of Fish* (Issue July) [SWISS GERMAN UNIVERSITY]. <http://repository.sgu.ac.id/1167/>
- EFSA. (2017). Scientific opinion on the re-evaluation of glycerol (E 422) as a food additive. *EFSA ANS Panel (EFSA Panel on Food Additives and Nutrient Sources Added to Food)*, 15(3), 4720.
- Falowo, A. B., Muchenje, V., Hugo, A., Aiyegoro, O. A., & Fayemi, P. O. (2017). Actividades antioxidantes de extractos de hoja de *Moringa oleifera* L. y *Bidens pilosa* L. y sus efectos en la estabilidad oxidativa de ternera cruda picada durante el almacenamiento en frío. *CYTA - Journal of Food*, 15(2), 249–256. <https://doi.org/10.1080/19476337.2016.1243587>
- Fauziah, E., Widowati, E., & Atmaka, W. (2015). Kajian Karakteristik Sensoris dan Fisikokimia Fruit Leather Pisang Tanduk (*Musa corniculata*) dengan Penambahan Berbagai Konsentrasi Karagenan. *Jurnal Aplikasi Teknologi Pangan*, 04(01), 11–16. <https://doi.org/10.17728/jatp.2015.02>
- Guidara, M., Yaich, H., Richel, A., Blecker, C., Boufi, S., Attia, H., & Garna, H. (2019). Effects of extraction procedures and plasticizer concentration on the optical, thermal, structural and antioxidant properties of novel ulvan films. *International Journal of Biological Macromolecules*, 135(2019), 647–658. <https://doi.org/10.1016/j.ijbiomac.2019.05.196>

- Gupta, E., Purwar, S., Jaiswal, P., Chaturvedi, R., & Rai, G. K. (2016). Sensory Evaluation and Nutritional Composition of Developed Papaya-Gooseberry Jam. *Food and Nutrition Sciences*, 7, 600–608. <https://doi.org/10.4236/fns.2016.77061>
- Hendrawan, Y., Nadhif, M. A., Wibisono, Y., & Sutan, S. M. (2019). Pengaruh Konsentrasi Karagenan dan Rasio Daging Wortel: Air Terhadap Sifat Fisikokimia Vegetable Leather Wortel (*Daucus carota* L.). *Jurnal Keteknikan Pertanian Tropis Dan Biosistem*, 007(02), 161–171. <https://doi.org/10.21776/ub.jkptb.2019.007.02.6>
- Ilhamdy, A. F., Jumsurizal, Shabilla, W. K., & Pratama, G. (2019). Sifat Fisiko-Kimia Semi Refined Carrageenan (SRC) Kappaphycus Alvarezii Dari Perairan Karimun, Kepulauan Riau, Indonesia. *Jurnal Perikanan Dan Kelautan*, 9(1), 125–136.
- Iskandar, M. A. (2020). *Optimasi Produksi Vegetable Leather Kemangi Menggunakan Karagenan Sebagai Binding Agent* [Soegijapranata Catholic University]. <http://repository.unika.ac.id/25351/>
- Jayasundera, M., Florentine, S., Tennakoon, K. U., & Chauhan, B. S. (2021). Medicinal value of three agricultural weed species of the asteraceae family: A review. *Pharmacognosy Journal*, 13(1), 264–277. <https://doi.org/10.5530/pj.2021.13.36>
- Kadhim, M. M., Shakheer, A. I., Fahim, A. H., & Kadhim, M. M. H. A. (2018). Effect of type and concentration of plasticizer on mechanical properties of protein edible films. *International Journal of Mechanical Engineering and Technology*, 9(10), 1493–1503.
- Kamiloglu, S., Tomas, M., & Capanoglu, E. (2021). Handbook of Dietary Phytochemicals. In *Handbook of Dietary Phytochemicals*. [https://doi.org/10.1007/978-981-15-4148-3\\_4](https://doi.org/10.1007/978-981-15-4148-3_4)
- Kuntari, A. N. (2015). Kombinasi Tepung Tapioka dan karagenan (*Eucheuma cottonii* Doty) Pada Proses Pembuatan Bakso Nabati dari Jamur Tiram Putih (*Pleurotus ostreatus*). Thesis. Fakultas Teknobiologi. Universitas Atma Jaya Yogyakarta, Yogyakarta.

- Kuo, T. F., Yang, G., Chen, T. Y., Wu, Y. C., Tran Nguyen Minh, H., Chen, L. S., Chen, W. C., Huang, M. G., Liang, Y. C., & Yang, W. C. (2021). *Bidens pilosa*: Nutritional value and benefits for metabolic syndrome. *Food Frontiers*, 2(1), 32–45. <https://doi.org/10.1002/fft2.63>
- Lai, B. Y., Chen, T. Y., Huang, S. H., Kuo, T. F., Chang, T. H., Chiang, C. K., Yang, M. T., & Chang, C. L. T. (2015). *Bidens pilosa* formulation improves blood homeostasis and  $\beta$ -cell function in men: A pilot study. *Evidence-Based Complementary and Alternative Medicine*, 2015. <https://doi.org/10.1155/2015/832314>
- Lau, A. Y., & Sarbon, N. M. (2022). Effect of glycerol concentrations on the mechanical and physical properties of chicken skin gelatin-tapioca starch composite films. *Food Research*, 6(4), 428–436. [https://doi.org/10.26656/fr.2017.6\(4\).546](https://doi.org/10.26656/fr.2017.6(4).546)
- Lawalata, V. N. (2021). The physicochemical characteristics of gandaria (*Bouea macrophylla*) leather with sugar concentration treatment. *IOP Conference Series: Earth and Environmental Science*, 883(1). <https://doi.org/10.1088/1755-1315/883/1/012086>
- Liang, Y. C., Lin, C. J., Yang, G. Y., Chen, Y. H., Yang, M. T., Chou, F. S., Yang, W. C., & Chang, C. L. T. (2019). Toxicity study of *Bidens pilosa* in animals. *Journal of Traditional and Complementary Medicine*, 10(2), 150–157. <https://doi.org/10.1016/j.jtcme.2019.04.002>
- Mboya, R. M. (2018). The Nutritional and Health Potential of Blackjack (*Bidens pilosa* L.). *International Journal of Applied Research on Public Health Management*, 4(1), 47–66. <https://doi.org/10.4018/ijarphm.2019010104>
- Ndiege, M. L., Kengara, F., & Maiyoh, G. K. (2021). Characterization of phenolic compounds from leaf extracts of *Bidens Pilosa* L. Var. *Radiata*. *South Asian Research Journal of Natural Products*, 4(3), 44–58. <https://ir.mu.ac.ke/xmlui/handle/123456789/4896>
- Nuansa, M. F., Agustini, T. W., & Susanto, E. (2017). Characteristic and Antioxidant Activity of Edible film from Refined carrageenan with The Addition of Essential Oil. *J. Peng. & Biotek. Hasil Pi.*, 6(1), 54–62.

- Nur, M., Sulaihah, S., & Nor, M. Z. M. (2022). Physical and Chemical Characterization of Manalagi Apple (*Malus sylvestris* Mill) Leather Enriched with Either Mango, Pineapple or Dragon Fruit. *JPSE (Journal of Physical Science and Engineering)*, 7(2), 116–126. <https://doi.org/10.17977/um024v7i22022p116>
- Nurchayati, N., & Ardiyansyah, F. (2019). Pengetahuan Lokal Tanaman Pangan dan Pemanfaatannya pada Masyarakat Suku Using Kabupaten Banyuwangi. *Biotropika - Journal of Tropical Biology*, 7(1), 11–20. <https://doi.org/10.21776/ub.biotropika.2019.007.01.02>
- Otoni, C. G., Avena-Bustillos, R. J., Azeredo, H. M. C., Lorevice, M. V., Moura, M. R., Mattoso, L. H. C., & McHugh, T. H. (2017). Recent Advances on Edible Films Based on Fruits and Vegetables—A Review. *Comprehensive Reviews in Food Science and Food Safety*, 16(5), 1151–1169. <https://doi.org/10.1111/1541-4337.12281>
- Patras, A., Tiwari, B. K., & Brunton, N. P. (2011). Influence of blanching and low temperature preservation strategies on antioxidant activity and phytochemical content of carrots, green beans and broccoli. *Lwt*, 44(1), 299–306. <https://doi.org/10.1016/j.lwt.2010.06.019>
- Rahmawati, D. P., Azkiya, N. N., Lianah, & Eko, P. (2022). Kajian jenis-jenis gulma yang berpotensi sebagai obat herbal bagi masyarakat. *BIOMA: Jurnal Biologi Dan Pembelajarannya*, 4(2), 1–11.
- Rianse, M. I., Wahyuni, S., & Sadimantara, M. S. (2017). Pengaruh Konsentrasi K-Karagenan Terhadap Penilaian Organoleptik Produk Vegetable Leather Dari Daun Kelor (*Moringa oleifera* L.). *Journal Sains Dan Teknologi Pangan*, 2(3), 641–647.
- Rusli, A., Metusalach, M., & Tahir, M. M. (2017). Karakterisasi Edible Film Karagenan dengan Pemlastis Gliserol. *Jurnal Pengolahan Hasil Perikanan Indonesia*, 20(2), 219. <https://doi.org/10.17844/jphpi.v20i2.17499>
- Samsuar. (2007). Karakteristik Karagenan Rumput Laut *Eucheuma cottonii* Pada Berbagai Umur Panen, Konsentrasi KOH dan Lama Ekstraksi. *Skripsi*. Jurusan Teknologi Pertanian. Institut Pertanian Bogor. Bogor.



- Sanyang, M. L., Sapuan, S. M., Jawaid, M., Ishak, M. R., & Sahari, J. (2016). Effect of plasticizer type and concentration on physical properties of biodegradable films based on sugar palm (*arenga pinnata*) starch for food packaging. *Journal of Food Science and Technology*, 53(1), 326–336. <https://doi.org/10.1007/s13197-015-2009-7>
- Sartika, M., Rambe, F. R., Parinduri, S. Z. D. M., Harahap, H., Nasution, H., Lubis, M., Taslim, & Manurung, R. (2022). Tensile properties of edible films from various types of starch with the addition of glycerol as plasticizer: a review. *IOP Conference Series: Earth and Environmental Science*, 1115(1). <https://doi.org/10.1088/1755-1315/1115/1/012075>
- Sejati, K. W. (2023). *Pengaruh Waktu Blansing Serta Penambahan Bumbu Kaldu Jamur, Campuran Gula dan Garam Terhadap Vegetable Leather Daun Sintrong (Crassocephalum Crepidioides). Berdasarkan Uji Fisik dan Kimia* [Soegijapranata Chatolic University]. <http://repository.unika.ac.id/33016/>
- Setyawati, T., Narulita, S., Bahri, I. P., & Raharjo, G. T. (2015). A Guide Book to Invasive Alien Plant Species in Indonesia. In *Journal of Chemical Information and Modeling* (Vol. 53, Issue 9).
- Sholichah, L., & Alfidhdhoh, D. (2020). Etnobotani Tumbuhan Liar sebagai Sumber Pangan di Dusun Mendiro, Kecamatan Wonosalam, Jombang. *Jurnal Ilmu Pertanian Indonesia*, 25(1), 111–117. <https://doi.org/10.18343/jipi.25.1.111>
- Silva, F. L., Fischer, D. C. H., Tavares, J. F., Silva, M. S., De Athayde-Filho, P. F., & Barbosa-Filho, J. M. (2011). Compilation of secondary metabolites from *bidens pilosa* L. *Molecules*, 16(2), 1070–1102. <https://doi.org/10.3390/molecules16021070>
- Simanjuntak, K. (2012). Peran Antioksidan Flavonoid dalam Meningkatkan Kesehatan. In *Bina Widya* (Vol. 23, Issue 3, pp. 135–140). <https://doi.org/10.1111/j.1551-2916.1988.tb00228.x>
- Syafrida, M., Darmanti, S., & Izzati, M. (2018). Pengaruh Suhu Pengeringan Terhadap Kadar Air, Kadar Flavonoid dan Aktivitas Antioksidan Daun dan Umbi Rumput Teki (*Cyperus rotundus* L.). *Bioma : Berkala Ilmiah Biologi*,

- 20(1), 44. <https://doi.org/10.14710/bioma.20.1.44-50>
- Tarwendah, I. P. (2017). Comparative Study of Sensory Attributes and Brand Awareness in Food Product : A Review. *Jurnal Pangan Dan Agroindustri*, 5(2), 66–73. <https://doi.org/10.5958/0974-360X.2019.00231.2>
- Ukwubile, C., Agu, M., Adamu, S., Abdulrahman, A., Kagaru, D., & Matthew, O. (2014). Pharmacognostic, toxicity, antibacterial and antihaemonchosis evaluations of *bidens pilosa* L. (asteraceae). *International Journal of Experimental Pharmacology*, 4(3), 162–167.
- USFDA. (2024). *CFR - Code of Federal Regulations Title 21. 3*. <https://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm?CFRPart=58&showFR=1&subpartNode=21:1.0.1.1.23.1>
- Wahjudi, M., Meira, G., Santoso, H., & Irwansyah, A. Z. (2023). *Bidens pilosa* Linn.: Beautiful Weed for the Healthy Mouth - A Mini Review. *E3S Web of Conferences*, 374. <https://doi.org/10.1051/e3sconf/202337400023>
- Wulansari, A., Andriani, R., & Kusuma Dewi, E. (2020). Variasi bahan baku dan metode pembuatan nori tiruan: kajian pustaka (The variation of raw materials and methods of artificial nori production: areview). *Jurnal Ilmu Kelautan Kepulauan*, 3(1), 1–11. <http://ejournal.unkhair.ac.id/index.php/kelautan>
- Xuan, T. D., & Khanh, T. D. (2016). Chemistry and pharmacology of *Bidens pilosa*: an overview. *Journal of Pharmaceutical Investigation*, 46(2), 91–132. <https://doi.org/10.1007/s40005-016-0231-6>