

DAFTAR PUSTAKA

- Amarasinghe, H., Weerakkody, N. S., & Waisundara, V. Y. (2018). Evaluation of physicochemical properties and antioxidant activities of kombucha “Tea Fungus” during extended periods of fermentation. *Food Science and Nutrition*, 6(3), 659–665. <https://doi.org/10.1002/fsn3.605>
- Anantachoke, N., Duangrat, R., Sutthiphatkul, T., Ochaikul, D., & Mangmool, S. (2023). Kombucha beverages produced from fruits, vegetables, and plants: a review on their pharmacological activities and health benefits. *Foods*, 12(9), 1818.
- Angraiyati, D., & Hamzah, F. (2017). Daun Pandan Wangi (*Pandanus Amaryllifolius* Roxb.) Terhadap Aktivitas Antioksidan. Riau University.
- Ariana, D. (2018). Uji Antibakteri Perasan Daun Pandan Wangi (*Pandanus amaryllifolius* Roxb) Terhadap *Shigella dysenteriae*. *Surabaya : The Journal of Muhamadiyah Medical Laboratory Technologist*, 1(1), 67–72.
- Asikin, Y., Kusumiyati, Shikanai, T., & Wada, K. (2018). Volatile aroma components and MS-based electronic nose profiles of dogfruit (*Pithecellobium jiringa*) and stink bean (*Parkia speciosa*). *Journal of Advanced Research*, 9, 79–85. <https://doi.org/10.1016/j.jare.2017.11.003>
- Astanti, M. D. (2020). *Efektivitas Gel Ekstrak Daun Pandan Wangi (Pandanus amaryllifolius Roxb.) Terhadap Penyembuhan Ulser Pada Tikus Wistar*. Universitas Jember. Retrieved from <http://repository.unej.ac.id/handle/123456789/101978>
- Azhar, A. N. H., Amran, N. A., Yusup, S., & Mohd Yusoff, M. H. (2022). Ultrasonic Extraction of 2-Acetyl-1-Pyrroline (2AP) from *Pandanus amaryllifolius* Roxb. Using Ethanol as Solvent. *Molecules*, 27(15), 1–18. <https://doi.org/10.3390/molecules27154906>
- Bishop, P., Pitts, E. R., Budner, D., & Thompson-Witrick, K. A. (2022). Kombucha: Biochemical and microbiological impacts on the chemical and flavor profile. *Food Chemistry Advances*, 1(March), 100025.

- <https://doi.org/10.1016/j.focha.2022.100025>
- Blois, M. S. (1958). Antioxidant Determinations by the Use of a Stable Free Radical. *Nature*, 181(4617), 1199–1200. <https://doi.org/10.1038/1811199a0>
- Cahyanto, T., Efendi, M., Rahmawati, D., Kulsum, Y., Oktaria, B. T., Aulia Rahman, I., ... Jalaludin. (2020). Kajian Etnobotani Tanaman Jengkol (*Pithecellobium jiringa*) di Desa Cimanggu Kecamatan Cibeber Kabupaten Cianjur. In *Seminar Nasional Perhimpunan Masyarakat Etnobiologi Indonesia* (Vol. 1, pp. 186–189).
- Cardoso, R. R., Neto, R. O., dos Santos D'Almeida, C. T., do Nascimento, T. P., Pressete, C. G., Azevedo, L., ... Barros, F. A. R. de. (2020). Kombuchas from green and black teas have different phenolic profile, which impacts their antioxidant capacities, antibacterial and antiproliferative activities. *Food Research International*, 128, 108782. <https://doi.org/https://doi.org/10.1016/j.foodres.2019.108782>
- Chen, C., & Liu, B. Y. (2000). Changes in major components of tea fungus metabolites during prolonged fermentation. *Journal of Applied Microbiology*, 89(5), 834–839. <https://doi.org/10.1046/j.1365-2672.2000.01188.x>
- Choi, E. J., Song, H. H., Ko, K. Y., Hong, K. B., Suh, H. J., & Ahn, Y. (2023). Fermentation characteristics and radical scavenging capacities of ginseng berry kombucha fermented by *Saccharomyces cerevisiae* and *Gluconobacter oxydans*. *Applied Biological Chemistry*, 66(1), 3–11. <https://doi.org/10.1186/s13765-023-00785-3>
- de Oliveira, P. V., da Silva Júnior, A. H., de Oliveira, C. R. S., Assumpção, C. F., & Ogeda, C. H. (2023). Kombucha benefits, risks and regulatory frameworks: A review. *Food Chemistry Advances*, 2(January), 100288. <https://doi.org/10.1016/j.focha.2023.100288>
- Dila, R., Tanzerina, N., & Aminasih, N. (2021). Morfologi dan Anatomi Organ Vegetatif Pandan Wangi Besar (*Pandanus amaryllifolius* Roxb.) Di Daerah Rawa. *Sriwijaya Bioscientia*, 2(1), 1–7. <https://doi.org/10.24233/sribios.2.1.2021.209>
- Dini, S. (2024). Khasiat Kulit Jengkol untuk Tubuh. Retrieved February 5, 2025, from

- <https://www.rri.co.id/kesehatan/666328/khasiat-kulit-jengkol-untuk-tubuh>
- Draf Uganda Standar. (2018). *Kombucha Specification*. (D. 2030, Ed.) (First Edit).
- Dubois, M., Gilles, K., Hamilton, J. K., Rebers, P. A., & Smith, F. (1951). A colorimetric method for the determination of sugars. *Nature*, 168(4265), 167. <https://doi.org/10.1038/168167a0>
- Dufresne, C., & Farnworth, E. (2000). Teh , Hombucha , dan kesehatan : sebuah ulasan, 33, 409–421.
- Elfianis, R. (2022). Klasifikasi dan Morfologi Tanaman Daun Pandan. Retrieved February 5, 2025, from <https://agrotek.id/klasifikasi-dan-morfologi-tanaman-daun-pandan/#:~:text=Klasifikasi dan Morfologi Tanaman Daun Pandan 1 Klasifikasi,famili Pandanaceae dengan nama latin Pandanus amaryllifolius.>
- Faras, A. F., Wadkar, S. S., & Ghosh, J. S. (2014). Effect of leaf extract of *Pandanus amaryllifolius* (Roxb.) on growth of *Escherichia coli* and *Micrococcus* (*Staphylococcus*) *aureus*. *International Food Research Journal*, 21(1), 421.
- Fardiaz, S. (1993). *Analisis Mikrobiologi Pangan*. PT RajaGrafindo Persada (1st ed.). Jakarta. Retrieved from <http://dx.doi.org/10.6066/jtip.2020.31.2.138>
- Fiana, N., & Oktaria, D. (2016). Pengaruh Kandungan Saponin dalam Daging Buah Mahkota Dewa (*Phaleria macrocarpa*) terhadap Penurunan Kadar Glukosa Darah. *Majority*, 5(4), 128–132.
- Firdaus, Indah, Isnaini, A. (2020). “Review” Teh Kombucha Sebagai Minuman Fungsional dengan Berbagai Bahan Dasar Teh. *Prosding Seminar Nasional Unimus*, 3(2013), 715–730.
- Gaggia, F., Baffoni, L., Galiano, M., Nielsen, D. S., Jakobsen, R. R., Castro-Mejía, J. L., ... Di Gioia, D. (2019). Kombucha beverage from green, black and rooibos teas: A comparative study looking at microbiology, chemistry and antioxidant activity. *Nutrients*, 11(1), 1–22. <https://doi.org/10.3390/nu11010001>
- Greenwalt, C. J., Steinkraus, K. H., & Ledford, R. A. (2000). Kombucha, the fermented tea: microbiology, composition, and claimed health effects. *Journal of Food Protection*, 63(7),

- 976–981.
- Gumanti, Z., Salsabila, A. P., & Sihombing, M. E. (2023). Pengaruh lama fermentasi terhadap mutu organoleptik pada proses pembuatan kombucha sari kulit buah naga merah (*hylocereus polyrhizus*). *Jurnal Pengolahan Pangan*, 8(1), 25–32.
- Hadiq, S., & Yulianti, T. (2023). Skrining Fitokimia Ekstrak Metanol Daun Pandan Wangi (*Pandanus amarillyfolius* Roxb).
- Hanggaeni, D., Puspaningrum, D., Luh, N., Sumadewi, U., Kadek, N., & Sari, Y. (2021). Kandungan Total Asam , Total Gula dan Nilai pH Kombucha Cascara Kopi Arabika Desa Catur Bangli. *Sintesa*, 4(2012), 149–156.
- Harahap, D. (2023). Analisis Mutu Mikrobiologis Teh Fermentasi Kombucha.
- Hashary, A. R., Damayanti, U. P., Rusdiaman, R., & Nurzak, A. N. (2023). Identifikasi Senyawa Antioksidan dari Ekstrak Etanol Daun Pandan Wangi (*Pandanus amaryllifolius*) dengan Metode 2,2-Diphenyl-1-Picryl-Hydrazyl (DPPH). *Jurnal Riset Kefarmasian Indonesia*, 5(2), 204–215. <https://doi.org/10.33759/jrki.v5i2.360>
- Haslam, E. (1989). *Plant polyphenols: vegetable tannins revisited*. CUP archive.
- Hasruddin dan Pratiwi N. (2015). *Mikrobiologi Industri*. Bandung: Alfabeta.
- Hidayah, N., Lubis, R., Wiryawan, K. G., & Suharti, S. (2019). Phenotypic identification, nutrients content, bioactive compounds of two jengkol (*Archidendron jiringa*) varieties from Bengkulu, Indonesia and their potentials as ruminant feed. *Biodiversitas*, 20(6), 1671–1680. <https://doi.org/10.13057/biodiv/d200624>
- Inada, K. O. P., Silva, T. B. R., Lobo, L. A., Domingues, R. M. C. P., Perrone, D., & Monteiro, M. (2020). Bioaccessibility of phenolic compounds of jaboticaba (*Plinia jaboticaba*) peel and seed after simulated gastrointestinal digestion and gut microbiota fermentation. *Journal of Functional Foods*, 67, 103851. <https://doi.org/https://doi.org/10.1016/j.jff.2020.103851>

- Industri, P. B. R. dan S. (2020). *Laporan Hasil Uji: Kulit Jengkol*. Padang.
- Jayabalan, R., Malbaša, R. V., Lončar, E. S., Vitas, J. S., & Sathishkumar, M. (2014). A review on kombucha tea—microbiology, composition, fermentation, beneficial effects, toxicity, and tea fungus. *Comprehensive Reviews in Food Science and Food Safety*, 13(4), 538–550.
- Júnior, J. C. da S., Meireles Mafaldo, Í., de Lima Brito, I., & Tribuzy de Magalhães Cordeiro, A. M. (2022). Kombucha: Formulation, chemical composition, and therapeutic potentialities. *Current Research in Food Science*, 5(January), 360–365. <https://doi.org/10.1016/j.crfs.2022.01.023>
- Kelly, M., Vardhanabhuti, B., Luck, P., Drake, M. A., Osborne, J., & Foegeding, E. A. (2010). Role of protein concentration and protein–saliva interactions in the astringency of whey proteins at low pH. *Journal of Dairy Science*, 93(5), 1900–1909.
- Khaerah, A., & Akbar, F. (2019). Aktivitas antioksidan teh kombucha dari beberapa varian teh yang berbeda. In *Prosiding Seminar Nasional LP2M UNM* (pp. 472–476).
- Laureys, D., Britton, S. J., & Clippeleer, J. De. (2020). Kombucha Tea Fermentasi : A Review. *Journal of the American Society of Brewing Chemists*.
- Leal, J. M., Suárez, L. V., Jayabalan, R., Oros, J. H., & Escalante-Aburto, A. (2018). A review on health benefits of kombucha nutritional compounds and metabolites. *CYTA - Journal of Food*, 16(1), 390–399. <https://doi.org/10.1080/19476337.2017.1410499>
- Lihawa, S. D., Lamangantjo, C. J., & Retnowati, Y. (2023). Efektivitas Ekstrak Daun Pandan (*Pandanus amaryllifolius*) Terhadap Mortalitas Dalam Pengendalian Kepik Hijau (*Nezara viridula* L). In *Prosiding Seminar Nasional Mini Riset Mahasiswa* (Vol. 2, pp. 11–15).
- Lubis, I. H. (2008). *Pengaruh lama dan suhu pengeringan terhadap mutu tepung pandan*. Universitas Sumatera Utara.
- Lubis, M. Y., Siburian, R., Marpaung, L., Simanjuntak, P., & Nasution, M. P. (2018). Methyl gallate from jiringa (*Archidendron jiringa*) and antioxidant activity. *Asian Journal of Pharmaceutical and Clinical Research*, 11(1), 346–350.

- <https://doi.org/10.22159/ajpcr.2018.v11i1.21637>
- Majelis Ulama Indonesia, (MUI). (2018). Produk Makanan dan Minuman Yang Mengandung Alkohol/Etanol. *Mui*, 1–11.
- Malini, D. M., Madihah, D. A. K., Sasmita, I., Ratningsih, N., Alipin, K., & Hermawan, W. (2019). Ekstrak Etanol Kulit Buah Jengkol Menurunkan Kadar Glukosa dan Meningkatkan Hormon Insulin Tikus Diabetes Yang Diinduksi Streptozotocin. *Jurnal Veteriner Maret*, 20(1), 65–73.
- Manesi, D. (2023). Antibacterial Activity of Methanolic Leaves Extracts *Pithecellobium Dulce* L., (April). <https://doi.org/10.48047/ecb/2023.12.4.212>
- Mansur, A. R., Oh, J., Lee, H. S., & Oh, S. Y. (2022). Determination of ethanol in foods and beverages by magnetic stirring-assisted aqueous extraction coupled with GC-FID: A validated method for halal verification. *Food Chemistry*, 366, 130526. <https://doi.org/https://doi.org/10.1016/j.foodchem.2021.130526>
- Marsh, A. J., O’Sullivan, O., Hill, C., Ross, R. P., & Cotter, P. D. (2014). Sequence-based analysis of the bacterial and fungal compositions of multiple kombucha (tea fungus) samples. *Food Microbiology*, 38, 171–178.
- Mawardi, M., Elfrida, E., & Fitri, R. (2018). Pengaruh Ekstrak Kulit Jengkol dan Daun Sri Rejeki Terhadap Mortalitas Keong Emas (*Pomacea canaliculata*). *Jurnal Jeumpa*, 5(1), 56–64.
- Maxiselly, Y., Ismail, A., Rosniawaty, S., & Anjarsari, I. R. D. (2015). Skrining fitokimia cangkang dan kulit batang tanaman jengkol asal Ciamis Jawa Barat sebagai inisiasi obat diabetes mellitus berbahan alam Phytochemical screening of jengkol shells and tree bark origin from ciamis west java as initiated of diabetic mellitu. *Jurnal Kultivasi Vol*, 14(2), 71.
- Naland H. (2008). *Kombucha Teh dengan Seribu Khasiat*. Agromedia Pustaka.
- Okta, A. L. M. (2018). Uji Efektifitas Ekstrak Daun Pandan Wangi (*Pandanus amaryllifolius* Roxb.) Sebagai Penghambat Pertumbuhan Jamur *Candida albicans*. Universitas Brawijaya.
- Pandia, S., & Warman, B. (2016). Pemanfaatan kulit jengkol sebagai adsorben dalam penyerapan logam CD (ii) pada

- limbah cair industri pelapisan logam. *Jurnal Teknik Kimia USU*, 5(4), 57–63.
- Prameswari, O. M., & Widjanarko, S. B. (2014). Uji Efek Ekstrak Air Daun Pandan Wangi Terhadap Penurunan Kadar Glukosa Darah dan Histopatologi Tikus Diabetes Melitus. *Jurnal Pangan Dan Agroindustri*, 2(2), 16–27.
- Priyulkif, S. (2021). *Pengembangan brownie ekstrak kulit jengkol yang berpotensi sebagai makanan selingan penderita diabetes melitus*. Universitas Andalas.
- Rahmatullah, R., Wulandari, R., Rendana, M., Waristian, H., Rahmania, A. A., Shasniya, A., ... Najib, M. (2021). Teh Fermentasi Menggunakan Starter Kombucha dengan Tambahan Sari Buah Organik Sebagai Solusi Hidup Sehat. *Applicable Innovation of Engineering and Science Research (AVoER)*, 302–307.
- Ramadhan, A. M., Pangaribuan, R., & Ibrahim, A. (2015). Metabolit Sekunder dan Aktivitas Fraksi Etil Asetat Kulit Buah Jengkol (*Pithecellobium jiringa* (Jack) Prain.) terhadap Bakteri *Pseudomonas aeruginosa* dan *Bacillus subtilis*. *Journal of Tropical Pharmacy and Chemistry*, 3(2), 82–87. <https://doi.org/10.25026/jtpc.v3i2.92>
- Rinihapsari, E., & Richter, C. A. (2008). Fermentasi Kombucha dan potensinya sebagai minuman kesehatan. *Media Farmasi Indonesia*, 3(2), 149855.
- Sales, A. L., Cunha, S. C., Ferreira, I. M. P. L. V. O., Morgado, J., Melo, L., DePaula, J., ... Farah, A. (2024). Volatilome, Microbial, and Sensory Profiles of Coffee Leaf and Coffee Leaf-Toasted Maté Kombuchas. *Foods*, 13(3). <https://doi.org/10.3390/foods13030484>
- Scalbert, A. (1991). Antimicrobial properties of tannins. *Phytochemistry*, 30(12), 3875–3883.
- Selvaraj, S., & Gurumurthy, K. (2023). An overview of probiotic health booster-kombucha tea. *Chinese Herbal Medicines*, 15(1), 27–32. <https://doi.org/10.1016/j.chmed.2022.06.010>
- Simanjuntak, D. H., Herpandi, H., & Lestari, S. D. (2016). Karakteristik kimia dan aktivitas antioksidan kombucha dari tumbuhan apu-apu (*Pistia stratiotes*) selama fermentasi. *Jurnal Fishtech*, 5(2), 123–133.

- Simbolon, M. S., Sitepu, S. F., & Pinem, M. I. (2017). Pengaruh Kulit Buah Jengkol (*Phitecellobium lobatum* (Jack) Prain) terhadap Tingkat Konsumsi Makan Tikus Sawah (*Rattus argentiventer* (Rob & Kloss) Di Laboratorium. *Jurnal Agroekoteknologi FP USU*, 11(1), 92–105.
- Singleton, V. L., Orthofer, R., & Raventos, R. M. L. (1999). Analysis of Total Phenols and Other Oxidation Substrates and Antioxidants by Means of Folin-Ciocalteu Reagent. *Lipids*, 299(6), 152–178. <https://doi.org/10.1007/BF02530903>
- Situmeang, S. M. F., Setiyawati, D., & Suparni, S. (2022). Uji daya hambat infusum kulit buah jengkol (*Pithecellobium jiringa*) terhadap pertumbuhan *Candida albicans*. *Jurnal Prima Medika Sains*, 4(2), 74–77.
- SNI 01-2346. (2006). *SNI 01-2346-2006 Petunjuk pengujian Organoleptik dan atau Sensori*. Badan Standardisasi Nasional.
- SNI 06-6089.11. (2019). Cara Uji Derajat Keasaman (pH) dengan Menggunakan Alat pH Meter. *Badan Standardisasi Nasional*, 06-6989.11, 1–7.
- St-pierre, D. L. (2019). Microbial Diversity of the Symbiotic Colony of.
- Statistik, B. P. (2023). Produksi tanaman buah-buahan dan sayuran tahunan. Retrieved February 4, 2025, from <https://sumbar.bps.go.id/id/statistics-table/2/NDEjMg==/produksi-tanaman-buah-buahan-dan-sayuran-tahunan.html>
- Suherlan, Y., Supranoto, & Tjahjani, C. M. P. (2023). Pengaruh Penambahan Ekstrak Daun Pandan (*Pandanus amaryllifolius* Roxb.) terhadap Rasa dan Aroma Yogurt Susu Kambing. *Prosiding Seminar Nasional Teknologi Dan Agribisnis Peternakan*, 72–76.
- Surya, A. (2017). *Aktivitas Antioksidan Ekstrak Kulit Jengkol (Pithecellobium Jiringa) Dengan Tiga Pelarut*. *Prosiding CELSciTech*. Akademi Analis Kesehatan Pekanbaru.
- Surya, A. (2018). Toksisitas Eksrtak Metanol Kulit Jengkol (*Pithecellobium Jiringa*) Dengan Metode Brine Shrimp Lethality Test Terhadap Larva Udang (*Artemia Salina*). *Jurnal Rekayasa Sistem Industri*, 3(2), 149–153.
- Suryani, C. L., Wahyuningsih, T. D., Supriyadi, S., & Santoso, U.

- (2020). The Potential of Mature Pandan Leaves As a Source of Chlorophyll for Natural Food Colorants. *Jurnal Teknologi Dan Industri Pangan*, 31(2), 127–137. <https://doi.org/10.6066/jtip.2020.31.2.127>
- Sutyawan, S., & Novidiyanto, N. (2022). Analisis Perbedaan Karakteristik Kimia Dan Aktivitas Antioksidan Pada Teh Kombucha Hitam Dari Daun Tayu Dan Teh Komersil. *Pontianak Nutrition Journal (PNJ)*, 4(2), 112. <https://doi.org/10.30602/pnj.v4i2.905>
- Syafitri, M., Yuliana, A., & Krismayadi, K. (2024). Uji Efektivitas Ekstrak Daun Pandan Wangi (*Pandanus amaryllifolius* Roxb) dalam Sediaan Gel terhadap Bakteri *Staphylococcus epidermidis*. *Bioscientist: Jurnal Ilmiah Biologi*, 12(2), 1828–1842.
- Taer, E., Apriwandi, Taslim, R., & Agustino. (2020). The effect of physical activation temperature on physical and electrochemical properties of carbon electrode made from jengkol shell (*Pithecellobium jiringa*) for supercapacitor application. *Materials Today: Proceedings*, 44, 3341–3345. <https://doi.org/10.1016/j.matpr.2020.11.644>
- Taufiqurrohman, T. (2015). Indonesian Bay Laves As Antidiabetic For Type 2 Diabetes Mellitus. *Med. J. Lampung University*, 4(3), 101–108.
- Teoh, A. L., Heard, G., & Cox, J. (2004). Yeast ecology of Kombucha fermentation. *International Journal of Food Microbiology*, 95(2), 119–126. <https://doi.org/10.1016/j.ijfoodmicro.2003.12.020>
- Vessal, M., Hemmati, M., & Vasei, M. (2003). Antidiabetic effects of quercetin in streptozocin-induced diabetic rats. *Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology*, 135(3), 357–364.
- Wang, X., Wang, D., Wang, H., Jiao, S., Wu, J., Hou, Y., ... Yuan, J. (2022). Chemical Profile and Antioxidant Capacity of Kombucha Tea by the Pure Cultured Kombucha. *Lwt*, 168(August), 113931. <https://doi.org/10.1016/j.lwt.2022.113931>
- Wartono, Mazmir, & Aryani, F. (2021). Analisis Fitokimia Dan Aktivitas Antioksidan Pada Kulit Buah Jengkol

- (*Pithecellobium Jiringga*). *Buletin Poltanesa*, 22(1).
<https://doi.org/10.51967/tanesa.v22i1.472>
- Wibowo, G. A., Afriani, T., & Rahmi, A. (2023). Antioxidant Activity Test (DPPH) and Cytotoxicity of Jengkol Peel Ethanol Extract (*Pithecellobium jiringa*) on Shrimp Larvae (*Artemia salina* Leach). *Biology, Medicine, & Natural Product Chemistry*, 12(2), 533–537.
<https://doi.org/10.14421/biomedich.2023.122.533-537>
- Wulandari, A. (2018). Pengaruh Lama Waktu Fermentasi Kombucha Teh Hijau Daun Jati (*Tectonagrandis* Linn.) terhadap Kadar Tanin Total dan Total Asam Tertitrasi (TAT).[Skripsi]. Yogyakarta: *Fakultas Keguruan Dan Ilmu Pendidikan, Universitas Sanata Dharma*.

