



DAFTAR PUSTAKA

- Adamu, H.D. *et al.* (2021) ‘Quality characteristics of hot pepper (*Capsicum chinense*) powder in relation to the drying and milling regimes’, *Agricultural Engineering International : The CIGR e-journal*, pp. 319–328. Available at: <http://www.cigrjournal.org>.
- de Alba, A.E.M. *et al.* (2021) ‘Microbiological evaluation of the disinfecting potential of UV-C and UV-C plus ozone generating robots’, *Microorganisms*, 9(1), pp. 1–12. Available at: <https://doi.org/10.3390/microorganisms9010172>.
- Alp, D. dan Bulantekin, Ö. (2021) ‘The microbiological quality of various foods dried by applying different drying methods: a review’, *European Food Research and Technology*. Springer Science and Business Media Deutschland GmbH, pp. 1333–1343. Available at: <https://doi.org/10.1007/s00217-021-03731-z>.
- Azman, P.N.M.A. *et al.* (2020) ‘Some physical properties and mass modelling of pepper berries (*Piper nigrum* L.), variety kuching, at different maturity levels’, *Processes*, 8(10), pp. 1–15. Available at: <https://doi.org/10.3390/pr8101314>.
- Badan Standardisasi Nasional. (2009). *SNI 7388:2009 Batas Maksimum Cemaran Mikroba dalam Pangan*. Jakarta: Badan Standardisasi Nasional.
- Badan Standardisasi Nasional. (2018). *SNI 8433:2018 Lada Bubuk*. Jakarta: Badan Standardisasi Nasional. Jakarta: Badan Standardisasi Nasional.
- BPOM RI (2019) *Pedoman Penerapan Peraturan Badan POM tentang Cemaran Mikroba dalam Pangan Olahan*. Jakarta: Direktorat Standartasi Pangan Olahan Badan POM RI.
- BPOM RI. (2019). *Peraturan Badan Pengawas Obat dan Makanan Nomor 13 Tahun 2019 tentang Batas Maksimal Cemaran Mikroba dalam Pangan Olahan*. Jakarta: Badan POM RI.
- Calín-Sánchez, Á. *et al.* (2020) ‘Comparison of traditional and novel drying techniques and its effect on quality of fruits, vegetables and aromatic herbs’, *Foods*. MDPI AG. Available at: <https://doi.org/10.3390/foods9091261>.
- Chacko, S. *et al.* (1996) *Roasting Studies on Black Pepper (*Piper nigrum* L.)*, *FLAVOUR AND FRAGRANCE JOURNAL*.
- Chitrakar, B., Zhang, M. dan Adhikari, B. (2019) ‘Dehydrated foods: Are they microbiologically safe?’, *Critical Reviews in Food Science and Nutrition*. Taylor and Francis Inc., pp. 2734–2745. Available at: <https://doi.org/10.1080/10408398.2018.1466265>.
- Civille, G.V. dan Carr, B.T. (2015) *Sensory Evaluation Techniques*. 5th edn. Boca Raton: CRC Press. Available at: <https://doi.org/10.1201/b19493>.



- Dosoky, N.S. *et al.* (2019) ‘Volatiles of black pepper fruits (*Piper nigrum L.*)’, *Molecules*, 24(23). Available at: <https://doi.org/10.3390/molecules24234244>.
- Ekici, G. dan Dümen, E. (2019) ‘Escherichia coli and Food Safety’, in *The Universe of Escherichia coli [Working Title]*. IntechOpen. Available at: <https://doi.org/10.5772/intechopen.82375>.
- Erkmen, O. (2022) *Microbiological Analysis of Foods and Food Processing Environments*. Elsevier. Available at: <https://doi.org/10.1016/C2021-0-01219-0>.
- FAO (2007) *Ground Black Pepper*. Available at: <http://www.fao.org/3/a-au148e.pdf> (Accessed: 20 January 2024).
- FAO dan UNIDO (2005) *Herbs, spices and essential oils: Post-harvest operations in developing countries*. Available at: <https://www.fao.org/3/ad420e/ad420e.pdf> (Accessed: 16 December 2023).
- FAO dan WHO (2022) *Microbiological hazards in spices and dried aromatic herbs, Microbiological hazards in spices and dried aromatic herbs*. Rome: FAO; WHO. Available at: <https://doi.org/10.4060/cb8686en>.
- FSAI (2020) *Survey of the microbiological safety of pre-packaged dried herbs and spices (17NS3)*. Dublin: Food Safety Authority of Ireland. Available at: www.fsai.ie.
- Ghandi, A. *et al.* (2012) ‘Drying kinetics and survival studies of dairy fermentation bacteria in convective air drying environment using single droplet drying’, *Journal of Food Engineering*, 110(3), pp. 405–417. Available at: <https://doi.org/10.1016/j.jfoodeng.2011.12.031>.
- Gu, F. *et al.* (2013) ‘Analysis of the blackening of green pepper (*Piper nigrum Linnaeus*) berries’, *Food Chemistry*, 138(2–3), pp. 797–801. Available at: <https://doi.org/10.1016/j.foodchem.2012.11.033>.
- Hayati, R., Efendi dan Rahmadana, F. (2020) ‘Determination of the best treatment of the harvesting, physicochemical properties, organoleptic test using the effectiveness index method on the Aceh local rice genotype M7’, in *IOP Conference Series: Earth and Environmental Science*. Institute of Physics Publishing. Available at: <https://doi.org/10.1088/1755-1315/425/1/012012>.
- Hertwig, C. *et al.* (2015) ‘Decontamination of whole black pepper using different cold atmospheric pressure plasma applications’, *Food Control*, 55, pp. 221–229. Available at: <https://doi.org/10.1016/j.foodcont.2015.03.003>.
- Hirasa, K. dan Takemasa, M. (1998) *Spice Science and Technology*. New York: Marcel Dekker.
- Hirko, B., Mitiku, H. dan Getu, A. (2022) ‘Effects of Processing Methods on the Quality of Black Pepper (*Piper nigrum L.*) ’, *Contemporary Agriculture*,



71(3–4), pp. 195–202. Available at: <https://doi.org/10.2478/contagri-2022-0026>.

International Organization for Standardization. (2005). *Microbiology of food and animal feeding stuffs — Horizontal method for the detection and enumeration of presumptive Escherichia coli — Most probable number technique (ISO 7251:2005)*.

International Organization for Standardization. (2006). *Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of coliforms — Colony-count technique (ISO 4832:2006)*.

International Organization for Standardization. (2008). *Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of yeasts and moulds — Part 2: Colony count technique in products with water activity less than or equal to 0.95 (ISO 25127-2:2008)*.

International Organization for Standardization. (2013). *Microbiology of food and animal feeding stuffs — Horizontal method for the enumeration of microorganisms — Part 1: Colony count at 30°C by pour plate technique (ISO 4833-1)*.

International Organization for Standardization. (2017). *Microbiology of food the food chain — Horizontal method for the detection and enumeration of Enterobacteriaceae — Part 2: Colony-count technique (ISO 21528-2:2017)*.

International Organization for Standardization. (2017). *Microbiology of food the food chain — Preparation of test samples, initial suspension and decimal dilutions for microbiological examination — Part 1: General rules for the preparation of the initial suspension and decimal dilutions (ISO 6887-1:2017)*.

Kripanand, S.M., Guruguntla, S. dan Korra, S. (2015) ‘Effect of Various Drying Methods on Quality and Flavor Characteristics of Mint Leaves (*Mentha spicata L.*)’, *J.Food Pharm.Sci*, 3(5), pp. 38–45. Available at: <https://doi.org/10.14499/jfps>.

Lawless, H.T. dan Heymann, H. (2010) *Sensory Evaluation of Food*. New York, NY: Springer New York (Food Science Text Series). Available at: <https://doi.org/10.1007/978-1-4419-6488-5>.

Lee, J.G., Chae, Y., et al. (2020) ‘Chemical composition and antioxidant capacity of black pepper pericarp’, *Applied Biological Chemistry*, 63(1). Available at: <https://doi.org/10.1186/s13765-020-00521-1>.

Lee, J.G., Kim, D.W., et al. (2020) ‘Comparative study of the bioactive compounds, flavours and minerals present in black pepper before and after removing the outer skin’, *LWT*, 125. Available at: <https://doi.org/10.1016/j.lwt.2020.109356>.



- Mathot, A.G., Postollec, F. dan Leguerinel, I. (2021) ‘Bacterial spores in spices and dried herbs: The risks for processed food.’, *Comprehensive reviews in food science and food safety*, 20(1), pp. 840–862. Available at: <https://doi.org/10.1111/1541-4337.12690>.
- Matthews, K.R., Kniel, K.E. dan Montville, T.J. (2017) *Food Microbiology: An Introduction, Fourth Edition*, *Food Microbiology: An Introduction, Fourth Edition*. American Society of Microbiology. Available at: <https://doi.org/10.1128/9781555819392>.
- Meghwal, M. dan Goswami, T.K. (2013) ‘Piper nigrum and piperine: An update’, *Phytotherapy Research*, pp. 1121–1130. Available at: <https://doi.org/10.1002/ptr.4972>.
- Meilgaard, M.C., Carr, B.T. dan Carr, B.T. (2006) *Sensory Evaluation Techniques*. CRC Press. Available at: <https://doi.org/10.1201/b16452>.
- Mendonca, A., Thomas-Popo, E. dan Gordon, A. (2020) ‘Microbiological considerations in food safety and quality systems implementation’, in *Food Safety and Quality Systems in Developing Countries: Volume III: Technical and Market Considerations*. Elsevier, pp. 185–260. Available at: <https://doi.org/10.1016/B978-0-12-814272-1.00005-X>.
- Mhazo, N. et al. (2010) ‘Evaluation of the Potential of using Solar Energy to Pasteurise Drinking Water: Using Escherichia coli (E. coli) as an Indicator’, *Res. J. Environ. Earth Sci.*, 2, pp. 159–163. Available at: <https://www.researchgate.net/publication/49593856>.
- Milenković, A. dan Stanojević, L. (2021) ‘Black pepper: Chemical composition and biological activities’, *Advanced Technologies*, 10(2), pp. 40–50. Available at: <https://doi.org/10.5937/savteh2102040m>.
- Murray, J.M. dan Baxter, I.A. (2003) ‘SENSORY EVALUATION | Food Acceptability and Sensory Evaluation’, in *Encyclopedia of Food Sciences and Nutrition*. Elsevier, pp. 5130–5136. Available at: <https://doi.org/10.1016/B0-12-227055-X/01372-9>.
- Nielsen, S.S. (2017) *Food Analysis*. Edited by S.S. Nielsen. Cham: Springer International Publishing (Food Science Text Series). Available at: <https://doi.org/10.1007/978-3-319-45776-5>.
- Ogur, S. (2022) ‘Microbiological Quality and Safety of Some Dried Spices Obtained from Markets, Spice Shops and Homes’, *Brazilian Archives of Biology and Technology*, 65. Available at: <https://doi.org/10.1590/1678-4324-2022220315>.
- Pathakakula, S. (2023) ‘Chapter 16: Ripening Mechanism in Black Pepper’, in *Advances in horticulture and allied sciences*. 2nd edn. Royal Book Publishing, pp. 286–292. Available at:



<https://www.researchgate.net/publication/373447631> (Accessed: 6 April 2024).

Raj Joshi, D. et al. (2018) 'A REVIEW ON DIVERSIFIED USE OF THE KING OF SPICES: PIPER NIGRUM (BLACK PEPPER)', *International Journal of Pharmaceutical Sciences and Research*, 6(10), p. 4089. Available at: [https://doi.org/10.13040/IJPSR.0975-8232.9\(10\).4089-01](https://doi.org/10.13040/IJPSR.0975-8232.9(10).4089-01).

Ravindran, P.N. dan Kallupurackal, J.A. (2012) 'Black pepper', in *Handbook of Herbs and Spices: Second Edition*. Elsevier Inc., pp. 86–115. Available at: <https://doi.org/10.1533/9780857095671.86>.

Reineccius, Gary. dan Heath, H.B. (2006) *Flavor chemistry and technology*. Taylor & Francis.

Sádecká, J. (2010) 'Influence of two sterilisation ways, gamma-irradiation and heat treatment, on the volatiles of black pepper (Piper nigrum L.)', *Czech Journal of Food Sciences*, 28(1), pp. 44–52. Available at: <https://doi.org/10.17221/1325-CJFS>.

Silvestri, E.E. et al. (2017) 'Considerations for estimating microbial environmental data concentrations collected from a field setting', *Journal of Exposure Science and Environmental Epidemiology*. Nature Publishing Group, pp. 141–151. Available at: <https://doi.org/10.1038/jes.2016.3>.

Spence, C. (2024) 'The king of spices: On pepper's pungent pleasure', *International Journal of Gastronomy and Food Science*, 35, p. 100900. Available at: <https://doi.org/10.1016/j.ijgfs.2024.100900>.

Stojanović-Radić, Z. et al. (2019) 'Piperine-A Major Principle of Black Pepper: A review of its bioactivity and studies', *Applied Sciences (Switzerland)*. MDPI AG. Available at: <https://doi.org/10.3390/app9204270>.

Sutamihardja, R., Yuliani, N. dan Rosani, O. (2018) 'Optimasi Suhu Pengeringan dengan Menggunakan Oven terhadap Mutu Lada Hitam dan Lada Putih Bubuk', *Jurnal Sains Natural*, 8(2), p. 80. Available at: <https://doi.org/10.31938/jsn.v8i2.158>.

Syakir, M., Hidayat, T. dan Maya, R. (2017) 'Karakteristik Mutu Lada Putih Butiran dan Bubuk yang Dihasilkan melalui Pengolahan Semi Mekanis di Tingkat Petani', *Jurnal Penelitian Pascapanen Pertanian*, 14(Desember), pp. 134–143.

Tan, D.T., Poh, P.E. dan Chin, S.K. (2018) 'Microorganism preservation by convective air-drying—A review', *Drying Technology*, 36(7), pp. 764–779. Available at: <https://doi.org/10.1080/07373937.2017.1354876>.

Thamkaew, G., Sjöholm, I. dan Galindo, F.G. (2021) 'A review of drying methods for improving the quality of dried herbs', *Critical Reviews in Food Science and Nutrition*. Bellwether Publishing, Ltd., pp. 1763–1786. Available at: <https://doi.org/10.1080/10408398.2020.1765309>.



- Valentová, H. dan Panovská, Z. (2003) ‘SENSORY EVALUATION | Taste’, in *Encyclopedia of Food Sciences and Nutrition*. Elsevier, pp. 5180–5187. Available at: <https://doi.org/10.1016/B0-12-227055-X/01069-5>.
- Wang, L. (2013) ‘Energy Consumption and Reduction Strategies in Food Processing’, in *Sustainable Food Processing*. Wiley, pp. 377–400. Available at: <https://doi.org/10.1002/9781118634301.ch16>.
- Weil, M. et al. (2017) ‘Impact of blanching, sweating and drying operations on pungency, aroma and color of Piper borbonense’, *Food Chemistry*, 219, pp. 274–281. Available at: <https://doi.org/10.1016/j.foodchem.2016.09.144>.
- Weil, M. et al. (2020) ‘Effect of processing on microbial safety of wild pepper (Piper borbonense) from Reunion Island’, *Food Control*, 111. Available at: <https://doi.org/10.1016/j.foodcont.2019.107061>.
- Whelan, V.J. (2017) ‘Difference From Control (DFC) Test’, in *Discrimination Testing in Sensory Science: A Practical Handbook*. Elsevier, pp. 209–236. Available at: <https://doi.org/10.1016/B978-0-08-101009-9.00011-3>.
- Witkowska, A.M. et al. (2011) ‘The microbiological quality of commercial herb and spice preparations used in the formulation of a chicken supreme ready meal and microbial survival following a simulated industrial heating process’, *Food Control*, 22(3–4), pp. 616–625. Available at: <https://doi.org/10.1016/j.foodcont.2010.10.014>.
- Wulandari, W. et al. (2021) ‘Review: Black Pepper (Piper Nigrum L.) Botanical Aspects, Chemical Content, Pharmacological Activities’, *International Journal of Pharmaceutical Sciences and Medicine*, 6(1), pp. 83–91. Available at: <https://doi.org/10.47760/ijpsm.2021.v06i01.007>.
- Yang, X. dan Wang, H. (2014) ‘Escherichia Coli: Pathogenic E. coli (Introduction)’, in *Encyclopedia of Food Microbiology: Second Edition*. Elsevier Inc., pp. 695–701. Available at: <https://doi.org/10.1016/B978-0-12-384730-0.00383-9>.
- Zeece, M. (2020) ‘Flavors’, in *Introduction to the Chemistry of Food*. Elsevier, pp. 213–250. Available at: <https://doi.org/10.1016/b978-0-12-809434-1.00006-2>.
- Zhang, P. et al. (2020) ‘Are antimicrobial interventions associated with heat-resistant Escherichia coli on meat?’, *Applied and Environmental Microbiology*, 86(13). Available at: <https://doi.org/10.1128/AEM.00512-20>.