

## DAFTAR PUSTAKA

- Anihouvi, V.B., Akpo-Djèntonin, D.O.O., Vissoh, V.P., Gbaguidi, F., Soumanou, M. (2016). "Processing, storage methods and quality attributes of spices and aromatic herbs in the local merchandising chain in Benin". *African journal of agricultural research*.
- Azizah, N., et. al. (2019). "Optimization of Drying Temperature and Time for *Curcuma longa* L. to Retain Curcumin Content." *Journal of Food Science and Technology*, 56(3), 1234-1241.
- Badan Pengawas Obat dan Makanan Republik Indonesia. (2021). *Laporan Tahunan Pengawasan Produk Herbal*. Jakarta: BPOM RI.
- Badan Pengawas Obat dan Makanan Republik Indonesia. (2022). *Peraturan Kepala BPOM tentang Cemaran Mikroba dalam Pangan*. Jakarta: BPOM RI.
- Badan Pusat Statistik (BPS). (2024). *Produksi Tanaman Biofarmaka (Obat), 2021-2023*. Jakarta: BPS RI.
- Badan Standardisasi Nasional (BSN). (2000). *SNI 01-3391-2000: Bubuk Kunyit*. Jakarta: BSN.
- Badan Standardisasi Nasional. (2009). *SNI 7388:2009 - Batas Maksimum Cemaran Mikroba dalam Pangan*. Jakarta: BSN.
- Barbosa-Cánovas, G. V., & Bermúdez-Aguirre, D. (2019). *Advances in Food Process Engineering Research and Applications*. New York: Springer.
- Barbosa-Cánovas, G. V., Ortega-Rivas, E., Juliano, P., & Yan, H. (2020). "Water activity and food preservation". *Journal of Food Engineering*, 284, 110036.
- Codex Alimentarius. (2018). *General Standard for Contaminants and Toxins in Food and Feed*. Rome: FAO/WHO
- Dagnas, S., & Membre, J. M. (2019). "Predictive microbiology applied to spices and dried food ingredients". *Trends in Food Science & Technology*, 85, 129-137.
- Dahuri, D. (2021). "Selain Penuhi Kebutuhan Dalam Negeri, Kunyit Juga Penyumbang Devisa". *Media Indonesia*.

- Deng, L., Mujumdar, A. S., Pan, Z., Vidyarthi, S. K., & Xiao, H. W. (2020). Recent advances in drying of vegetables and its impact on quality. *Food Reviews International*, 36(6), 538-563.
- Djaeni, M., et al. (2017). "High-Temperature Short-Time (HTST) Drying for Microbial Safety in Turmeric Powder." *Journal of Food Engineering*, 212, 1-10.
- El-Saadony, M.T., Yang, T., Korma, S.A., Sitohy, M., El-Mageed T.A.A., Selim S., Al Jaouni, S.K., Salem H.M., Mahmmoud Y., Soliman S.M., Mo'men S.A.A., Mosa W.F.A., El-Wafai N.A., Abou-Aly, H.E., Sitohy, B., Abd El-Hack ME, El-Tarabily KA and Saad AM. (2023). "Impacts of turmeric and its principal bioactive curcumin on human health: Pharmaceutical, medicinal, and food applications: a comprehensive review". *Front. Nutr.*
- Fellows, P. (2017). *Food Processing Technology: Principles and Practice*. Cambridge: Woodhead Publishing.
- ICMSF. (2011). *Microorganisms in Foods 8: Use of Data for Assessing Process Control and Product Acceptance*. New York: Springer.
- International Organization for Standardization (ISO). (2017). *ISO 3632-2:2017 - Spices - Turmeric (Curcuma longa L.)*. Geneva: ISO.
- Jay, J. M., Loessner, M. J., & Golden, D. A. (2005). *Modern food microbiology* (7th ed.). New York: Springer Science & Business Media.
- Jayashree, E. & Aiswarya, P. (2023). "Physico chemical quality evaluation of turmeric powder (*Curcuma longa*) stored at different temperatures". *The Pharma Innovation Journal*, 12(11): 294-300.
- Karam, M. C., Petit, J., Zimmer, D., Baudelaire, E., & Scher, J. (2016). "Effects of drying and grinding in production of fruit and vegetable powders: A review". *Journal of Food Engineering*, 188, 32-49.
- Kartika, B., Hastuti, P., & Supartono, W. (1988) *Pedoman Uji Inderawi Bahan Pangan*. Yogyakarta: UGM Press.
- Kementerian Pertanian Republik Indonesia. (2021). *Laporan Tahunan Produksi dan Ekspor Rempah-Rempah Indonesia*. Jakarta: Kementan.

- Kumar, Y., Singh, L., & Patel, M. C. (2021). "Influence of drying methods on quality and bioactive composition of spices: A review". *Journal of Food Science and Technology*, 58(2), 347-359.
- Kusnandar, F., Hariyadi, P. dan Wulandari, N. (2013). *Parameter Kecukupan Proses Termal*. Semarang: Unimus
- Li, Z., Ma, W., & Zhang, T. (2021). "Evaluation of microbial safety in powdered food products". *Food Microbiology*, 92, 103577.
- Lima, M.S., Resende, O., Placido, G.R., Silva, J.A.G., Celia, J.A., Caliari, M., Oliviera, D.E.C., Correia, J.S., & Silva, M.A.P. (2022). "Effects of drying temperature on the bioactive and technological properties of turmeric (*Curcuma longa* L.) flour". *Food Science and Technology*, 42.
- Llano, S.M., Gómez, A.M. & Duarte-Correa, Y. (2022). "Effect of Drying Methods and Processing Conditions on the Quality of *Curcuma longa* Powder". *Processes*, 10: 702.
- Lokhande, S. M., Kale, R. V., Sahoo, A. K., and Ranveer, R. C. (2013). "Effect of curing and drying methods on recovery, curcumin and essential oil content of different cultivars of turmeric (*Curcuma longa* L)". *International Food Research Journal*, 20(2): 745-749.
- Mujumdar, A. S. (2015). *Handbook of Industrial Drying*. Florida: CRC Press.
- Nguyen, L., Govindasamy R. & Mentreddy S.R. (2024). "Turmeric trends: analyzing consumer preferences and willingness to pay". *Front. Sustain. Food Syst.* 8:1359040.
- Odonkor, S. T., & Ampofo, J. K. (2013). "*Escherichia coli* as An Indicator of Bacteriological Quality of Water: An Overview". *Microbiological Research*, 4(1), 2.
- O'Brien, C. (2020). "Effects of drying temperature on the microbial load of turmeric powder". *Journal of Food Science*, 85(4), 1234-1240
- Parmar, R.G., Dabhi, M.N. & Rathod, P.J. (2023). "Effect of drying temperature on proximate components of turmeric rhizome in tray dryer". *South Florida Journal of Environmental and Animal Science*, 3(4):174-181.

- Patel, R., & Kumar, S. (2021). "Impact of drying conditions on the sensory properties of turmeric". *International Journal of Food Science and Technology*, 56(5), 987-994.
- Phoungchandang, S., & Sertwasana, A. (2010). "Effect of drying temperature and drying method on drying characteristics and quality of dried ginger". *Drying Technology*, 28(5), 608-618.
- Purkait, S., Saha, S., & De, P. K. (2020). "Drying kinetics and quality of turmeric using hot air oven". *Food Chemistry*, 322, 126753.
- Rahman, M. S., & Perera, C. O. (2020). "Drying methods used in food preservation." *Handbook of Food Preservation*. CRC Press.
- Raza, A., Ali, M. A., Yusof, Y. A., Nasir, A. and Muneer, S. (2018). "Effect of different drying treatments on concentration of curcumin in raw *Curcuma longa* L". *Food Research*, 2(6): 500-504.
- Saha, G., Sharangi, A.B., Upadhyay, T.K., Al-Keridis, L.A., Alshammari, N., Alabdallah, N.M. & Saeed, M. (2022). "Dynamics of Drying Turmeric Rhizomes (*Curcuma longa* L.) with Respect to its Moisture, Color, Texture and Quality". *Agronomy*, 12: 1420.
- Sahoo, D., et al. (2022). "Optimization of turmeric drying conditions for better retention of curcumin and aroma compounds". *International Journal of Food Science*.
- Samapundo, S., Devlieghere, F., & De Meulenaer, B. (2016). "Effect of aw and temperature on fungal growth in spice blends". *International Journal of Food Microbiology*, 217, 116-125.
- Sarker, M. S., Ahmed, M., & Hasan, M. M. (2021). "Drying kinetics and quality assessment of turmeric powder". *Journal of Food Processing and Preservation*, 45(7), e15580.
- Singh, G., Arora, S. and Kumar, S. (2010). "Effect of mechanical drying conditions on quality of turmeric powder". *Journal of Food Science and Technology*, 47(3), 347-350.

- Singh, P., Shukla, R., & Kumar, R. (2019). "Effect of drying temperature on microbial load reduction in turmeric powder". *Journal of Food Safety and Hygiene*, 9(3), 45-53.
- Singh, P., Srivastava, S., & Kapoor, V. (2021). "Microbiological quality and safety of spices: Challenges and control strategies". *Journal of Applied Microbiology*, 130(3), 686-700.
- Smith, J., & Lee, T. (2019). "Microbiological safety of dried spices: A review." *Food Microbiology*, 78, 123-130.
- Smith, B., Patel, R., & Garcia, M. (2021). "Thermal Inactivation of Bacteria in Spice Drying Operations". *Food Safety Journal*, 48(2), 89-102.
- Srinivasan, K. (2019). "Quality improvement in spices and herbs by drying technologies". *Critical Reviews in Food Science and Nutrition*, 59(5), 751-764.
- Subramaniam, D., Jayakumar, S., & Gupta, A. (2021). "Influence of drying conditions on the functional and nutritional properties of turmeric powder". *Journal of Food Science and Technology*, 58(7), 2652-2660.
- Tapia, M. S., Alzamora S.M. & Chirife J. (2020). *Effects of Water Activity (aw) on Microbial Stability as a Hurdle in Food Preservation*. New York: John Wiley & Sons, Inc.
- Thompson, A. (2022). "The relationship between drying methods and aroma compounds in spices". *Journal of Agricultural and Food Chemistry*, 70(15), 4567-4575.
- U.S. Food and Drug Administration (FDA). (2021). *Guidance for Industry: Reduction of Pathogens in Spices*.
- Wu, W., Zhang, Y., & Mujumdar, A. S. (2021). "Heat and mass transfer mechanisms in conventional and innovative drying technologies: A review". *Innovative Food Science & Emerging Technologies*, 67, 102567.
- Zagórska, J., Kukula-Koch, W., Czop, M., Howiecka, K. & Koch, W. (2023). "Impact of Thermal Processing on the Composition of *Curcuma longa* Rhizome". *Foods*, 12:3086.

Zhang, M., Chen, H., Mujumdar, A. S., Tang, J., Miao, S., & Wang, Y. (2017).  
Recent developments in high-quality drying of vegetables, fruits, and aquatic  
products. *Critical Reviews in Food Science and Nutrition*, 57(6), 1239-1255.