

DAFTAR PUSTAKA

- Achanta, S., & Okos, M. (2000). Quality changes during drying of food polymers. Dalam *Drying Technology in Agriculture and Food Sciences* .
- Ahn, J. Y., Kil, D. Y., Kong, C., & Kim, B. G. (2014). Comparison of Oven-drying Methods for Determination of Moisture Content in Feed Ingredients. *Asian-Australas J Anim Sci*, 27(11), 1615–1622. <https://doi.org/10.5713/ajas.2014.14305>
- Amjad, W. (2016). *Design and development of a diagonal-airflow batch dryer for spatial drying homogeneity* [Dissertation]. Universität Kassel.
- Armstrong, J. S., & Collopy, F. (1992). Error measures for generalizing about forecasting methods: Empirical comparisons. *International Journal of Forecasting*, 8(1), 69–80. [https://doi.org/10.1016/0169-2070\(92\)90008-W](https://doi.org/10.1016/0169-2070(92)90008-W)
- Artiukhina, E., & Grammelis, P. (2016). Modeling of biofuel pellets torrefaction in a realistic geometry. *Thermal Science*, 20(4), 1223–1231. <https://doi.org/10.2298/TSCI151130156A>
- Barnwal, P., Kadam, D. M., & Singh, K. K. (2012). Influence of moisture content on physical properties of maize. Dalam *International Agrophysics* (Vol. 26, Nomor 3, hlm. 331–334). <https://doi.org/10.2478/v10247-012-0046-2>
- Behrouzifar, F., & Shahidy, S. A. (2016). Evaluation of beetroot changes during drying with hot air by digital images. *Journal of Fundamental and Applied Sciences*, 8(2), 860. <https://doi.org/10.4314/jfas.8vi2s.139>
- Bunyawanichakul, P. (2006). *Development of a Cyclone Rice Dryer* [Dissertation]. University of Tasmania.
- Chandramohan, V. P. (2018). Influence of air flow velocity and temperature on drying parameters: An experimental analysis with drying correlations. *IOP Conference Series: Materials Science and Engineering*, 377(1). <https://doi.org/10.1088/1757-899X/377/1/012197>
- Chang, Y. J., Pong, L. Y., Hassan, S. S., & Choo, W. S. (2020). Antiviral activity of betacyanins from red pitahaya (*Hylocereus polyrhizus*) and red spinach (*Amaranthus dubius*) against dengue virus type 2 (GenBank accession no. MH488959). *Access Microbiology*, 2(1). <https://doi.org/10.1099/acmi.0.000073>
- Chen, J. Y., Zhang, H., & Miao, Y. (2014). The Effect of Quantity of Salt on the Drying Characteristics of Fresh Noodles. *Agriculture and Agricultural Science Procedia*, 2, 207–211. <https://doi.org/10.1016/j.aaspro.2014.11.029>

- Choo, K. Y., Kho, C., Ong, Y. Y., Thoo, Y. Y., Lim, R. L. H., Tan, C. P., & Ho, C. W. (2018). Studies on the storage stability of fermented red dragon fruit (*Hylocereus polyrhizus*) drink. *Food Science and Biotechnology*, 27(5), 1411–1417. <https://doi.org/10.1007/s10068-018-0367-4>
- Darvishi, H., Asl, A. R., Asghari, A., Azadbakht, M., Najafi, G., & Khodaei, J. (2014). Study of the drying kinetics of pepper. *Journal of the Saudi Society of Agricultural Sciences*, 13(2), 130–138. <https://doi.org/10.1016/j.jssas.2013.03.002>
- Das, H. (2005). *Food Processing Operations Analysis*. Asian Books Private Limited.
- Evans, S. J. W. (1983). Uses and Abuses of Analysis of Variance. Dalam *J. clin. Pharmac* (Vol. 15).
- Fang, D. dong, Chen, J., Zhang, L. hui, Duan, F., Wang, P., & Chyang, C. S. (2017). Experimental study on the shrinkage characteristics and devolatilization time of wood in a turbulent fluidized bed combustor using computed tomography. *Energy*, 141, 348–357. <https://doi.org/10.1016/j.energy.2017.09.104>
- Febrianti, N., Hertiani, T., Moeljopawiro, S., & Haryana, S. M. (2019). Effect of different preparation techniques of red dragon fruit (*Hylocereus polyrhizus*) extracts on normal human fibroblast viability. *Pharmaciana*, 9(2), 307. <https://doi.org/10.12928/pharmaciana.v9i2.13054>
- Fitri, Z. E., Baskara, A., Silvia, M., Madjid, A., & Imron, A. M. N. (2021). Application of backpropagation method for quality sorting classification system on white dragon fruit (*Hylocereus undatus*). *IOP Conference Series: Earth and Environmental Science*, 672(1). <https://doi.org/10.1088/1755-1315/672/1/012085>
- Guiné, R. P. F. (2018). The Drying of Foods and Its Effect on the Physical-Chemical, Sensorial and Nutritional Properties. *ETP International Journal of Food Engineering*, 93–100. <https://doi.org/10.18178/ijfe.4.2.93-100>
- Hatamipour, M. S., & Mowla, D. (2003). Experimental Investigation of Drying Behavior of Carrots in a Fluidized Bed with Energy Carrier. *Engineering in Life Sciences*, 3(1), 43–49.
- Hering, E. (1964). Outlines of a theory of the light sense. Dalam *Outlines of a theory of the light sense*. Harvard University Press.
- Hillary, S. E., & Claude, E. B. (1997). *Dynamics of Pond Aquaculture* (1 ed.). CRC Press.
- Hossain, M. A., Dey, P., & Joy, R. I. (2021). Effect of osmotic pretreatment and drying temperature on drying kinetics, antioxidant activity, and overall quality

- of taikor (*Garcinia pedunculata* Roxb.) slices. *Saudi Journal of Biological Sciences*, 28(12), 7269–7280. <https://doi.org/10.1016/j.sjbs.2021.08.038>
- Huang, Y., Brennan, M. A., Kasapis, S., Richardson, S. J., & Brennan, C. S. (2021). Maturation process, nutritional profile, bioactivities and utilisation in food products of red pitaya fruits: A review. Dalam *Foods* (Vol. 10, Nomor 11). MDPI. <https://doi.org/10.3390/foods10112862>
- Hurvich, L. M., & Jameson, D. (1957). An opponent-process theory of color vision. *Psychological Review*, 64(6, Pt.1), 384–404. <https://doi.org/10.1037/h0041403>
- Inyang, U. E., Oboh, I. O., & Etuk, B. R. (2018). Kinetic Models for Drying Techniques—Food Materials. *Advances in Chemical Engineering and Science*, 08(02), 27–48. <https://doi.org/10.4236/aces.2018.82003>
- Jaafar, R. A., Abdul Rahman, A. R. Bin, Mahmod, N. Z. C., & Vasudevan, R. (2009). Proximate analysis of dragon fruit (*Hylecereus polyhizus*). *American Journal of Applied Sciences*, 6(7), 1341–1346. <https://doi.org/10.3844/ajassp.2009.1341.1346>
- Jaafar, R. A., Bin, A. R., Rahman, A., Zaini, N., Mahmod, C., & Vasudevan, R. (2009). Proximate Analysis of Dragon Fruit (*Hylecereus polyhizus*). *American Journal of Applied Sciences*, 6(7), 1341–1346.
- Jaturonglumlert, S., & Kiatsiriroat, T. (2010). Heat and mass transfer in combined convective and far-infrared drying of fruit leather. *Journal of Food Engineering*, 100(2), 254–260. <https://doi.org/10.1016/j.jfoodeng.2010.04.007>
- Jay, J. M., & Jay, J. M. (1995). Intrinsic and extrinsic parameters of foods that affect microbial growth. *Modern Food Microbiology*, 38–66.
- Kamble, M., Singh, A., Singh, S. V., Chinchkar, A., & Pareek, S. (2022). Optimization of Convective Tray-Drying Process Parameters for Green Banana Slices Using Response Surface Methodology and Its Characterization. *Journal of Food Quality*, 2022. <https://doi.org/10.1155/2022/8208572>
- Kowalski, S. J., Łechtańska, J. M., & Szadzińska, J. (2013). Quality aspects of fruit and vegetables dried convectively with osmotic pretreatment. *Chemical and Process Engineering - Inżynieria Chemiczna i Procesowa*, 34(1), 51–62. <https://doi.org/10.2478/cpe-2013-0005>
- Kristanto, D. (2014). *Berkebun Buah Naga*. Penerbit Swadaya.
- Kristriandiny, O., & Susanto, S. (2016). Dragon Fruit (*Hylocereus undatus*) Cultivation in Sleman, Yogyakarta : Harvest and Posharvest. Dalam *Bul. Agrohorti* (Vol. 4, Nomor 1).

- Krokida, M. K., Foundoukidis, E., & Maroulis, Z. (2004). Drying constant: Literature data compilation for foodstuffs. *Journal of Food Engineering*, 61(3), 321–330. [https://doi.org/10.1016/S0260-8774\(03\)00136-5](https://doi.org/10.1016/S0260-8774(03)00136-5)
- Kruszelnicka, W., Marczuk, A., Kasner, R., Baldowska-Witos, P., Piotrowska, K., Flizikowski, J., & Tomporowski, A. (2020). Mechanical and processing properties of rice grains. *Sustainability (Switzerland)*, 12(2). <https://doi.org/10.3390/su12020552>
- Laskar, A. A., Ahmed, M., Khan, A. S., & Samir, M. (2022). Experimental investigation and statistical validation of mathematical models for hot air drying traits of carrot. *Food Science and Technology International*, 29(4), 345–360. <https://doi.org/10.1177/10820132221093264>
- Lata, D., Narayana, C. K., Karunakaran, G., Rao, S. D. V., & Sane, A. (2022). Maturity determination of red and white pulp dragon fruit. *Journal of Horticultural Sciences*, 17(1), 157–165. <https://doi.org/10.24154/jhs.v17i1.1309>
- Liaotrakoon, W. (2013). *Characterization of dragon fruit (Hylocereus spp.) components with valorization potential*.
- Manoi, F. (2006). Pengaruh cara pengeringan terhadap mutu simplisia sambiloto. *Buletin Penelitian Tanaman Rempah dan Obat*, XVII(1), 1–5.
- Mirzaee, E., Rafiee, S., Keyhani, A., & Emam-Djomeh, Z. (2009). Determining of moisture diffusivity and activation energy in drying of apricots. *Research in Agricultural Engineering*, 55(3), 114–120. <https://doi.org/10.17221/8/2009-rae>
- Mizrahi, Y., Mouyal, J., Nerd, A., & Sitrit, Y. (2004). Metaxenia in the vine cacti *Hylocereus polyrhizus* and *Selenicereus* spp. *Annals of Botany*, 93(4), 469–472. <https://doi.org/10.1093/aob/mch055>
- Montgomery, D. C. (2019). *Design and Analysis of Experiments* (10 ed.). John Wiley & Sons, inc.
- Morales-Tapia, A. A., González-Jiménez, F. E., Vivar-Vera, G., Del Ángel-Zumaya, J. A., Reyes-Reyes, M., Alamilla-Beltrán, L., Barojas-Zavaleta, E., Cooper-Bribiesca, B. L., & Jiménez-Guzmán, J. (2022). Use of freeze-drying and convection as drying methods of the xoconostle by-product and the effect on its antioxidant properties. *Revista Mexicana de Ingeniera Química*, 21(2). <https://doi.org/10.24275/rmiq/Alim2692>
- Murthy, T. P. K., & Manohar, B. (2014). Hot air drying characteristics of mango ginger: Prediction of drying kinetics by mathematical modeling and artificial

neural network. *Journal of Food Science and Technology*, 51(12), 3712–3721.
<https://doi.org/10.1007/s13197-013-0941-y>

Nayaka, V. S. K., Tiwari, R. B., Narayana, C. K., Ranjitha, K., Shamina, A., Vasugi, C., Venugopalan, R., Bhuvaneswari, S., & Sujayasree, O. J. (2022). Comparative effect of different sugars instigating non-enzymatic browning and Maillard reaction products in guava fruit leather. Dalam *J. Hortl. Sci* (Vol. 17, Nomor 1).

Neoh, T. L., Adachi, S., & Furuta, T. (2016). *Introduction to Food Manufacturing Engineering*. Springer Nature Singapore.

Nurul, S. R., & Asmah, R. (2014). Variability in nutritional composition and phytochemical properties of red pitaya (*Hylocereus polyrhizus*) from Malaysia and Australia. *International Food Research Journal*, 21(4), 1689–1697.

Orikasa, T., Wu, L., Shiina, T., & Tagawa, A. (2008). Drying characteristics of kiwifruit during hot air drying. *Journal of Food Engineering*, 85(2), 303–308.
<https://doi.org/10.1016/j.jfoodeng.2007.07.005>

Palamba, P., Ramadhan, M. L., Pamitran, A. S., Prayogo, G., Kosasih, E. A., & Nugroho, Y. S. (2018). Drying kinetics of Indonesian Peat. *International Journal of Technology*, 9(5), 1006–1014.
<https://doi.org/10.14716/ijtech.v9i5.805>

Pare, A., & Mandhyan, B. L. (2010). *Food Process Engineering and Technology*. New India Publishing Agency.

Parmar, M. Y., Pore, D., Sharma, S. K., Singh, T., & Pandya, N. (2019). Health benefits of dragon fruit. *Nutrition and Food Science International Journal*, 8(5).

Pátkai, G., & Barta, J. (1996). Decomposition of betacyanins and betaxanthins by heat and pH changes. *Food / Nahrung*, 40(5), 267–270.
<https://doi.org/https://doi.org/10.1002/food.19960400508>

Prakash, B., & Pan, Z. (2011). Modeling Moisture Movement in Rice. *Advanced Topics in Mass Transfer*. www.intechopen.com

Rahman, M. S. (2007). *Handbook of Food Preservation* (2 ed.). Taylor & Francis.

Rahmawan, O. (2001). *Pengering Pendinginan dan Pengemasan Pertanian*. Direktorat Pendidikan Kejuaraan.

Ribeiro, R. P., & Moniz, N. (2020). Imbalanced regression and extreme value prediction. *Machine Learning*, 109(9–10), 1803–1835.
<https://doi.org/10.1007/s10994-020-05900-9>

- Rodeo, A. J., & Esguerra, E. (2018). Postharvest handling of dragon fruit (*Hylocereus* spp.) in the Philippines Quality Systems Improvement of Dragon Fruit, Soursop (“Guyabano”) and Apple Guava through Value Chain Analysis and Management View project Quality Systems Improvement of Dragon Fruit, Soursop (Guyabano) and Apple Guava Through Value Chain Analysis and Management View project. *Dragon Fruit Regional Network Initiation Workshop and Steering Committee Meeting*. <https://www.researchgate.net/publication/325191316>
- Sabarez, H. T., & Price, W. E. (1999). A diffusion model for prune dehydration. *Journal of Food Engineering*, 42, 167–172. <https://api.semanticscholar.org/CorpusID:97810798>
- Sahin, A. Z., & Dincer, I. (2005). Prediction of drying times for irregular shaped multi-dimensional moist solids. *Journal of Food Engineering*, 71(1), 119–126. <https://doi.org/10.1016/j.jfoodeng.2004.10.024>
- Sarobol, M., Sarobol, P., Teeta, S., & Pharanat, W. (2018). Investigation Effective Moisture Diffusivity and Activation Energy on Convective Hot Air Drying Assisted Extraction of Dragon Fruit Slices. *Journal of Physics: Conference Series*, 1144(1). <https://doi.org/10.1088/1742-6596/1144/1/012062>
- Sastrosupadi, A. (2000). *Rancangan Percobaan Praktis Bidang Pertanian*. Kanisius.
- Shibata, H. (2005). Comparison of Drying Rate Curves of Porous Solids in Superheated Steam to Those in Air. *Drying Technology*, 23(7), 1419–1434. <https://doi.org/10.1081/DRT-200063499>
- Singh, R. P., & Heldman, D. R. (2014). *Introduction to Food Engineering* (4 ed.).
- Srikanth, K. S., Sharanagat, V. S., Kumar, Y., Singh, L., Suhag, R., Thakur, D., & Tripathy, A. (2023). Influence of convective hot air drying on physico-functional, thermo-pasting and antioxidant properties of elephant foot yam powder (*Amorphophallus paeoniifolius*). *Journal of Food Science and Technology*, 60(3), 879–888. <https://doi.org/10.1007/s13197-021-05015-6>
- Srikiatden, J., & Roberts, J. S. (2005). Moisture loss kinetics of apple during convective hot air and isothermal drying. *International Journal of Food Properties*, 8(3), 493–512. <https://doi.org/10.1080/10942910500267737>
- Sudheer, K. P., & Indira, V. (2007). *Post Harvest Technology of Horticultural Crops*. New India Publishing Agency.
- Sukmawaty, Putra, G. M. D., Setiawati, D. A., Kurniawan, H., & Reinhart, I. E. P. (2019). The application of mathematical model drying of galangal

(*Alpinia galanga* L.) using hybrid dryer equipment with rotary type of rack. *AIP Conference Proceedings*, 2199. <https://doi.org/10.1063/1.5141284>

- Syariefa, E. (2003, Mei). Putri Bangsawan nan Cantik Asal Hutan. *TRUBUS*.
- Tasirin, S. M., Nordin, M. F. M., Puspasari, I., Tasirin, S. M., Daud, W. R. W., Gariépy, Y., Talib, M. Z. M., & Raghavan, G. S. V. (2014). Quality Changes of Red Pitaya (*Hylocereus undatus*) Slices Dried in Hot Air, Microwave-Hot Air and Microwave-Vacuum Dryers. *Iranica Journal of Energy and Environment*, 5(3), 313–322. <https://doi.org/10.5829/idosi.ijee.2014.5.3.11>
- Ugarýiû-Hardi, Ä., & Hackenberger, D. (2001). Influence of Drying Temperatures on Chemical Composition of Certain Croatian Winter Wheats. Dalam *Acta Alimentaria* (Vol. 30, Nomor 2).
- Wagiman, A., Wei, C. J., Ci, E. M., Seng, M. L. T., Mohamad, M. A. H., & Noranai, Z. (2022). Design and performance evaluation of hybrid photovoltaic thermal solar dehydrator. *Journal of Advanced Research in Applied Sciences and Engineering Technology*, 28(2), 181–189. <https://doi.org/10.37934/araset.28.2.181189>
- Wojdyło, A., Figiel, A., Lech, K., Nowicka, P., & Oszmiański, J. (2014). Effect of Convective and Vacuum-Microwave Drying on the Bioactive Compounds, Color, and Antioxidant Capacity of Sour Cherries. *Food and Bioprocess Technology*, 7(3), 829–841. <https://doi.org/10.1007/s11947-013-1130-8>
- Xie, M., Chen, Y., Sun, Y., Gao, Y., Wu, Z., Wu, R., Li, R., Hong, S., Wang, M., Zou, Y., Zhang, H., & Xiong, Y. (2023). Effect of Drying Kinetics, Volatile Components, Flavor Changes and Final Quality Attributes of Moslae herba during the Hot Air Thin-Layer Drying Process. *Molecules*, 28(9). <https://doi.org/10.3390/molecules28093898>
- Zou, Y., Kuang, Y., Zhi, Y., & Qu, X. (2020). Investigation on linearisation of data-driven transport research: two representative case studies. *IET Intelligent Transport Systems*, 14(7), 675–683. <https://doi.org/https://doi.org/10.1049/iet-its.2019.0551>