

## REFERENCES

- Allen Jr, L. V. (2018). Quality Control: Water Activity Considerations for Beyond-use Dates. *International Journal of Pharmaceutical Compounding*, 22(4), 288-293.
- An, K., Zhao, D., Wang, Z., Wu, J., Xu, Y., & Xiao, G. (2016). Comparison of different drying methods on Chinese ginger (*Zingiber Officinale Roscoe*): Changes in volatiles, chemical profile, antioxidant properties, and microstructure. *Food Chemistry*, 197, 1292–1300. <https://doi.org/10.1016/j.foodchem.2015.11.033>
- Ahmed, N., Singh, J., Chauhan, H., Anjum, P. G. A., & Kour, H. (2013). Different drying methods: their applications and recent advances. *International Journal of food nutrition and safety*, 4(1), 34-42.
- Arigo, A., Jawahar, N., Nikhitha, K., & Jubie, S. (2019). Effect of Hygroscopicity on pharmaceutical ingredients, methods to determine and overcome: An Overview. *Journal of Pharmaceutical Sciences and Research*, 11(1), 6-10.
- Black, S., Dang, L., Liu, C., & Wei, H. (2013). On the measurement of solubility. *Organic process research & development*, 17(3), 486-492.
- Camacho, M. M., Silva-Espinoza, M. A., & Martínez-Navarrete, N. (2022). Flowability, rehydration behaviour and bioactive compounds of an orange powder product as affected by particle size. *Food and Bioprocess Technology*, 15(3), 683-692.
- Cao, G., Alessio, H. M., & Cutler, R. G. (1993). Oxygen-radical absorbance capacity assay for antioxidants. *Free radical biology and medicine*, 14(3), 303-311.
- Coban, H. B. (2019). Organic acids as antimicrobial food agents: Applications and Microbial Productions. *Bioprocess and Biosystems Engineering*, 43(4), 569–591. <https://doi.org/10.1007/s00449-019-02256-w>
- Fang, Y., Selomulya, C., & Chen, X. D. (2007). On measurement of food powder reconstitution properties. *Drying technology*, 26(1), 3-14.
- Dahal, A. (2022). Mathematical modeling of moisture sorption characteristics of dried turmeric (*Curcuma longa L.*) powder (Doctoral dissertation, Tribhuvan University Institute of Science and Technology Food Technology Instruction Committee Central Campus of Technology, Dharan).
- Duan, X., Li, M., Shao, J., Chen, H., Xu, X., Jin, Z., & Liu, X. (2018). Effect of oxidative modification on structural and foaming properties of egg white protein. *Food Hydrocolloids*, 75, 223-228.
- Elwin, A.M. (2018). EFFECT OF MALTODEXTRIN AND EGG WHITE ON CUKO PEMPEK CHARACTERISTICS BEING CUKO PEMPEK INSTANT USING FOAM MAT DRYING METHOD
- Hardy, Z., & Jideani, V. A. (2017). Foam-mat drying technology: A review. *Critical reviews in food science and nutrition*, 57(12), 2560-2572.
- Hao, T. (2015). Understanding empirical powder flowability criteria scaled by Hausner ratio or Carr index with the analogous viscosity concept. *RSC advances*, 5(70), 57212-57215.

- Herson, M. R., Hamilton, K., White, J., Alexander, D., Poniatowski, S., O'connor, A. J., & Werkmeister, J. A. (2018). Interaction of preservation methods and radiation sterilization in human skin processing, with particular insight on the impact of the final water content and collagen disruption. Part I: process validation, water activity and collagen changes in tissues cryopreserved or processed using 50, 85 or 98% glycerol solutions. *Cell and Tissue Banking*, 19, 215-227.
- Hirun, S., Utama-Ang, N., & Roach, P. D. (2014). Turmeric (*Curcuma longa L.*) drying: an optimization approach using microwave-vacuum drying. *Journal of food science and technology*, 51, 2127-2133.
- Irkin, R., Degirmencioglu, N., & Guldas, M. (2015). Effects of organic acids to prolong the shelf-life and improve the microbial quality of fresh cut broccoli florets. *Quality Assurance and Safety of Crops & Foods*, 7(5), 737–745. <https://doi.org/10.3920/qas2014.0489>
- Ishwarya, S. P., Anandharamakrishnan, C., & Stapley, A. G. F. (2015). Spray-freeze-drying: A novel process for the drying of foods and bioproducts. *Trends in Food Science & Technology*, 41(2), 161–181. <https://doi.org/10.1016/j.tifs.2014.10.008>
- Jakubczyka, E., Gondeka, E., Tamborb, K., Jakubczyk, E., Gondek, E., & Tambor, K. (2011, May). Characteristics of selected functional properties of apple powders obtained by the foam-mat drying method. In ICEF 11 International Congress on Engineering and Food. Athens, Greece: International Association of Engineering and Food.
- Javaheri, H., Carter, P., & Elkordy, A. (2014). Wet granulation to overcome liquisolid technique issues of poor flowability and compactibility: a study to enhance glibenclamide dissolution. *Journal of Pharmaceutics and Drug Development*, 1(5), 501-512.
- Jayasundera, M., Adhikari, B., Howes, T., & Aldred, P. (2011). Surface protein coverage and its implications on spray-drying of model sugar-rich foods: Solubility, powder production and characterisation. *Food Chemistry*, 128(4), 1003-1016.
- Juarez-Enriquez, E., Olivas, G. I., Zamudio-Flores, P. B., Ortega-Rivas, E., Perez-Vega, S., & Sepulveda, D. R. (2017). Effect of water content on the flowability of hygroscopic powders. *Journal of Food Engineering*, 205, 12-17.
- Jung, H., Lee, Y. J., & Yoon, W. B. (2018). Effect of moisture content on the grinding process and powder properties in food: A review. *Processes*, 6(6), 69.
- Kanpairo, K., Usawakesmanee, W., Sirivongpaisal, P., & Siripongvutikorn, S. (2012). The compositions and properties of spray dried tuna flavor powder produced from tuna precooking juice. *International Food Research Journal*, 19(3).
- Lima, M. S. D., Resende, O., Placido, G. R., Célia, J. A., Caliari, M., Oliveira, D. E. C. D., & Silva, M. A. P. D. (2022). Effects of drying temperature on the bioactive and technological properties of turmeric (*Curcuma longa L.*) flour. *Food Science and Technology*, 42.
- Medina-Torres, L., Calderas, F., Nunez Ramírez, D. M., Herrera-Valencia, E. E., Bernad Bernad, M. J., & Manero, O. (2017). Spray drying egg using either maltodextrin or nopal mucilage as stabilizer agents. *Journal of food science and technology*, 54, 4427-4435.

- Moreira, G. É. G., Costa, M. G. M., de Souza, A. C. R., de Brito, E. S., de Medeiros, M. D. F. D., & de Azeredo, H. M. (2009). Physical properties of spray dried acerola pomace extract as affected by temperature and drying aids. *LWT-Food Science and Technology*, 42(2), 641-645.
- Mounir, S. (2017). Foam mat drying. *Drying Technologies for Foods-Fundamentals and Applications*, 169-191.
- Mokhtar, S. M., Swailam, H. M., & Embaby, H. E. S. (2018). Physicochemical properties, nutritional value and techno-functional properties of goldenberry (*Physalis peruviana*) waste powder concise title: Composition of goldenberry juice waste. *Food Chemistry*, 248, 1-7.
- Muchsiri, M., Hamzah, B., Wijaya, A., & Pambayun, R. (2017). Pengaruh Jenis Dan Konsentrasi asam Terhadap Cuko Pempek (effect of type and acid concentration on Cuko pempek). *Agritech*, 36(4), 404. <https://doi.org/10.22146/agritech.16763>
- Murikipudi, V., Gupta, P., & Sihorkar, V. (2013). Efficient throughput method for hygroscopicity classification of active and inactive pharmaceutical ingredients by water vapor sorption analysis. *Pharmaceutical development and technology*, 18(2), 348-358.
- Nielsen, S. S., & Nielsen, S. S. (2017). Moisture content determination. *Food analysis laboratory manual*, 105-115.
- Oliveira, D. M., Clemente, E., & da Costa, J. M. C. (2014). Hygroscopic behavior and degree of caking of grugru palm (*Acrocomia aculeata*) powder. *Journal of food science and technology*, 51, 2783-2789.
- Opaliński, I., Chutkowski, M., & Hassanpour, A. (2016). Rheology of moist food powders as affected by moisture content. *Powder Technology*, 294, 315-322.
- Patel, R. P., Patel, M. P., & Suthar, A. M. (2009). Spray drying technology: an overview. *Indian Journal of Science and Technology*, 2(10), 44-47.
- Radzi, A. M., Sapuan, S. M., Jawaid, M., & Mansor, M. R. (2019). Water absorption, thickness swelling and thermal properties of roselle/sugar palm fibre reinforced thermoplastic polyurethane hybrid composites. *Journal of Materials Research and Technology*, 8(5), 3988-3994.
- Razi, S. M., Fahim, H., Amirabadi, S., & Rashidinejad, A. (2023). An overview of the functional properties of egg white proteins and their application in the food industry. *Food Hydrocolloids*, 135, 108183.
- Ribeiro, L. C., da Costa, J. M. C., & Afonso, M. R. A. (2019). Hygroscopic behavior of acerola powder obtained by spray-drying. *Acta Scientiarum. Technology*, 41, e35382.
- Rosana, D. (2022, February 26). Saatnya pempek palembang rambah Pasar Ekspor. Antara News. <https://www.antaranews.com/berita/2728693/saatnya-pempek-palembang-rambah-pasar-ekspor>.
- Sakulnarmrat, K., Wongsrikaew, D., & Konczak, I. (2021). Microencapsulation of red cabbage anthocyanin-rich extract by drum drying technique. *LWT*, 137, 110473.<https://doi.org/10.1016/j.lwt.2020.110473>

- Spierings, A. B., Voegtlin, M., Bauer, T. U., & Wegener, K. (2016). Powder flowability characterisation methodology for powder-bed-based metal additive manufacturing. *Progress in Additive Manufacturing*, 1, 9-20.
- Surya, R., Destifen, W., & Nugroho, D. (2023). Pempek: Traditional fishcake dish from South Sumatra, Indonesia. *Canrea Journal: Food Technology, Nutritions, and Culinary Journal*, 57-76.
- Susanti,Y.I dan putri W.D.R. (2014). Pembuatan Minuman Serbuk Markisa Merah (Passiflora edulis f. Edulis Sims) ( Kajian Konsentrasi Tween 80 Dan Suhu Pengeringan).
- Vázquez-Medina, J. A., & Medina, F. X. (2020). Traditional Mexican cuisine: Heritage implications for food tourism promotion. *Journal of Gastronomy and Tourism*, 4(4), 239-250.
- Wargadalem, F.R., Yulifar, L., Ratu, F., & Wargadalem (2023). Pempek Palembang: history, food making tradition, and ethnic identity. *Journal of Ethnic Foods*, 10.
- Zubaedah, Kusnadi, E.J dan Andriastuti, I. (2013). Pembuatan yoghurt dengan foaming drying kajian tentang pembuatan busa putih telur terhadap sifat fisik dan kimia. *Jurnal. Teknologi Pangan*. 14 (3): 258-261.