

DAFTAR PUSTAKA

- Aini, N. (2014). KARAKTERISTIK KURVA ISOTERM SORPSI AIR TEPUNG JAGUNG INSTAN (Moisture Sorption Isotherm of Instant Corn Flour from Four Variety of Corn). *Agritech*, 34(1), 50-55.
- Andrade P, R. D., Lemus M, R., & Perez C, C.E. (2011). Models of Sorption Isotherms for Food: uses and limitations. *Vitae*, 18(3), 325-334.
- Babić, M. (2017). Different methods of equilibrium moisture content determination. *Journal on Processing and Energy in Agriculture*.
- Badan Pusat Statistik. (2023). Luas Panen dan Produksi Padi di Indonesia. <https://www.bps.go.id/id/pressrelease/2024/03/01/2375/pada-2023--luas-panen-padi-mencapai-sekitar-10-21-juta-hektare-dengan-produksi-padi-sebesar-53-98-juta-ton-gabah-kering-giling--gkg-.html>
- Badan Pusat Statistik. (2025).). Luas Panen dan Produksi Padi pada Bulan Mei di Indonesia. <https://www.bps.go.id/id/pressrelease/2025/07/01/2501/luas-panen-padi-di-indonesia-pada-mei-2025-diperkirakan-mencapai-0-98-juta-hektare-dengan-total-produksi-sekitar-4-98-juta-ton-gabah-kering-giling--gkg---.html>
- Badan Pusat Statistik. (2025). Luas Panen dan Produksi Padi pada Bulan Maret di Indonesia. <https://www.bps.go.id/id/pressrelease/2025/05/02/2497/pada-maret-2025--luas-panen-padi-sebesar-1-67-juta-hektare-dengan-produksi-padi-diperkirakan-sebanyak-8-93-juta-ton-gabah-kering-giling--gkg--.html>
- Barbosa-C, G. V., Fontana Jr, A. J., Schmidt, S. J., & Labuza, T. P. (Eds.). (2020). *Water activity in foods: fundamentals and applications*. John Wiley & Sons.
- Brunauer, S., Emmett, P. H., & Teller, E. (1938). Adsorption of gases in multimolecular layers. *Journal of the American chemical society*, 60(2), 309-319.
- Choi, B. M., Lanning, S. B., & Siebenmorgen, T. J. (2010). A review of hygroscopic equilibrium studies applied to rice. *Transactions of the ASABE*, 53(6), 1859-1872.
- Dewi, I. N., Rohaeni, N., & Farida, F. (2021). Analisis Pendapatan Usahatani Padi Sawah Inpari 32 di Kecamatan Kaubun Desa Cipta Graha. *Jurnal Pengembangan Penyuluhan Pertanian*, 18(33), 80-88.
- Doymaz, İ. (2004). Effect of pre-treatments using potassium metabisulphide and alkaline ethyl oleate on the drying kinetics of apricots. *Biosystems Engineering*, 89(3), 281-287.
- Figura, L. O., & Teixeira, A. A. (2007). *Food Physics: Physical properties—measurement and applications*. Berlin, Heidelberg: Springer Berlin Heidelberg.
- Fitriani, P. E., Wijaya, I. M. A. S., & Gunam, I. B. W. (2015). Pendugaan masa kadaluarsa ubi kayu (*Manihot esculenta* Crantz) instan pada beberapa bahan kemasan. *Media Ilmiah Teknologi Pangan (Scientific Journal of Food Technology)*, 2(1), 058-068.
- Fitriyah, D., Ubaidillah, M., & Oktaviani, F. (2020). Analisis kandungan gizi beras dari beberapa galur padi transgenik Pac Nagdong/Ir36. *ARTERI: Jurnal Ilmu Kesehatan*, 1(2), 154-160.

- Foo, K. Y., & Hameed, B. H. (2010). Insights into the modeling of adsorption isotherm systems. *Chemical engineering journal*, 156(1), 2-10.
- Getahun, E., Gabbiye, N., Delele, M. A., Fanta, S. W., Gebrehiwot, M. G., & Vanierschot, M. (2020). Effect of maturity on the moisture sorption isotherm of chili pepper (Mareko Fana variety). *Heliyon*, 6(8).
- Hasnelly, H., Fitriani, E., Ayu, S. P., & Havelly, H. (2020). Pengaruh drajat penyosohan terhadap mutu fisik dan nilai gizi beberapa jenis beras. *Agritech: Jurnal Fakultas Teknologi Pertanian UGM*, 40(3), 182-189.
- Hayati, R. (2017). Pengaruh Kadar Air dan Persamaan Model Bet untuk Prediksi Masa Simpan Kakao (*Theobroma cacao* L.). *Jurnal Teknologi dan Industri Pertanian Indonesia*, 9(1), 17-22.
- Hudji, R., Ahmad, L., & Antuli, Z. (2019). Analisis umur simpan grits bubur jagung instan nikstamal berdasarkan kadar air kritis dan kondisi organoleptiknya. *Jambura Journal of Food Technology*, 1(1), 68-78.
- Iglesias, H. A., & Chirife, J. (1976). Prediction of the effect of temperature on water sorption isotherms of food material. *International journal of food science & technology*, 11(2), 109-116.
- Iguaz, A., & Virseda, P. (2007). Moisture desorption isotherms of rough rice at high temperatures. *Journal of food engineering*, 79(3), 794-802.
- Jowitt, R., & Wagstaffe, P. J. (1989). *The certification of the water content of microcrystalline cellulose (MCC) at 10 water activities*. EC.
- Kawengian, T., Mandey, J. R., & Waney, N. F. L. (2019). Curahan tenaga kerja pada usahatani padi di Desa Lowian Kecamatan Maesaan. *Agri-SosioEkonomi*, 15(3), 397-406.
- Keum, D. H., & Kim, H. (2001). Adsorption Equilibrium Moisture Content of Rough Rice, Brown Rice, White Rice and Rice Hull. *Journal of Biosystems Engineering*, 26(1), 57-66.
- Kurniawan, Y. R., Pakpahan, N., Purwanto, Y. A., Purwanti, N., & Budijanto, S. (2021). Stabilitas beras analog berdasarkan pola kadar air kesetimbangan. *Jurnal Pangan*, 30(2), 87-98.
- Labuza, T. D. (1982). Theory and application of Arrhenius kinetics to the prediction of nutrient losses in foods. *Food Tech.*, 36(10), 55-74.
- Labuza, T. P. (1985). Accelerated shelf life testing of foods. *Food Tech.*, 9, 134.
- Madamba, P. S., Driscoll, R. H., & Buckle, K. A. (1996). The thin-layer drying characteristics of garlic slices. *Journal of food engineering*, 29(1), 75-97.
- Maulana Akbar, F., Asis, A., & Fitria Lismah, S. (2022). Hubungan karakter agronomi padi varietas ciherang dan inpari 32 di lahan sawah tadah hujan.
- Millati, T., Pranoto, Y., Bintoro, N., & Utami, T. (2018). Pengaruh suhu penyimpanan pada gabah basah yang baru dipanen terhadap perubahan mutu fisik beras giling. *Agritech: Jurnal Fakultas Teknologi Pertanian UGM*, 37(4), 477-485.
- Monareh, J., & Ogie, T. B. (2020). Pengendalian Penyakit Menggunakan Biopestisida Pada Tanaman Padi (*Oryza sativa* L.). *Jurnal Agroekoteknologi Terapan*, 1(1), 11-13.

- Oktavianty, N. U., & Wildian, W. (2016). Rancang bangun alat ukur dan indikator kadar air gabah siap giling berbasis mikrokontroler dengan sensor fotodiode. *Jurnal Fisika Unand*, 5(1), 94-100.
- Putri, N. P., Yunaída, Y., Hendrival, H., Wirda, Z., & Munauwar, M. M. (2023). Pengaruh Kadar Air Dan Periode Penyimpanan Beras Terhadap Populasi *Sitophilus zeamais* Dan Kerusakan Beras. *Jurnal Agrium*, 20(3), 275-283.
- Ratnawati, R., Djaeni, M., & Hartono, D. (2013). Perubahan kualitas beras selama penyimpanan (change of rice quality during storage). *Jurnal Pangan*, 22(3), 199-208.
- Reddy, B. S., & Chakraverty, A. (2004). Equilibrium moisture characteristics of raw and parboiled paddy, brown rice, and bran. *Drying Technology*, 22(4), 837-851.
- Romdon, A. S., Hidayat, Y., Komalawati, K., & Haskarini, D. (2025). Persepsi Petani terhadap Varietas Unggul Baru Padi di Kabupaten Semarang-Jawa Tengah. *AgriDev*, 3(2), 94-108.
- Sahin, S., & Sumnu, S. G. (2006). *Physical properties of foods*. Springer Science & Business Media.
- Singh, Y., & Prasad, K. (2015). Sorption isotherms modeling approach of rice-based instant soup mix stored under controlled temperature and humidity. *Cogent Food & Agriculture*, 1(1), 1103683.
- Swastika, A. D., & Juwitaningtyas, T. (2024). Pendugaan Umur Simpan Tepung Salak (*Salacca zalacca*) Menggunakan Metode Accelerated Shelf Life Test (ASLT) Pendekatan Kadar Air Kritis. *Journal of Tropical Agricultural Engineering and Biosystems-Jurnal Keteknik Pertanian Tropis dan Biosistem*, 12(1), 46-54.
- Timmermann, E. O., Chirife, J., & Iglesias, H. A. (2001). Water sorption isotherms of foods and foodstuffs: BET or GAB parameters?. *Journal of food engineering*, 48(1), 19-31.
- United State Departement of Agriculture. (2019). Food Data Central Food Details. USDA Agricultural Research Service (ARS). <https://fdc.nal.usda.gov/food-details/169757/nutrients>
- Van Boekel, M. A. (2008). Kinetic modeling of food quality: a critical review. *Comprehensive reviews in food science and food safety*, 7(1), 144-158.
- Widowati, S., Herawati, H., Syarief, R., Suyatma, N. E., & Prasetya, H. A. (2010). PENGARUH ISOTERM SORPSI AIR TERHADAP STABILITAS BERAS UBI [Effect of Moisture Sorption Isotherm to Stability of "Sweet Potato Rice"]. *Jurnal Teknologi dan Industri Pangan*, 21(2), 123-123.
- Zogzas, N. P., Maroulis, Z. B., & Marinos-Kouris, D. (1996). Moisture diffusivity data compilation in foodstuffs. *Drying technology*, 14(10), 2225-2253.