DAFTAR PUSTAKA

Ahmad Wisnu Prasetyo, Widayat, M. S. K. T. S. U. (2024). Analisis Efisiensi Eksergi Water Tube Boiler Pada Unit Penyediaan Steam di Salah Satu Plant Gas Processing Aceh , Indonesia Exergy Efficiency Analysis of Water Tube Boiler in the Steam Supply Unit at a Plant Gas Processing in Aceh , Indonesia. 21(3), 209–219.

Aisah, S., Mursalim, M., & Samsuar, S. (2021). The Effect of Thickness and Reversal Frequency of Seaweed Gracilaria sp Drying. Jurnal Agritechno, 14(01), 42–50. https://doi.org/10.20956/at.v14i1.389

Aksoy, A., Karasu, S., Akcicek, A., & Kayacan, S. (2019). Effects of different drying methods on drying kinetics, microstructure, color, and the rehydration ratio of minced meat. Foods, 8(6). https://doi.org/10.3390/foods8060216

Ampah, J., Dzisi, K. A., Addo, A., & Bart-Plange, A. (2022). Drying Kinetics and Chemical Properties of Mango. International Journal of Food Science, 2022. https://doi.org/10.1155/2022/6243228

Anwar, C., Kemalawaty, M., Pengeringan, S., & Jalar, V. U. (2019). MENGKAJI JENIS VARIETAS DAN SUHU PENGERINGAN Physicochemical Properties of Sweet Potato Starches by Studying Their Varie- ties and Drying Temperatures. 20(1), 33–44.

Auliyaa Raaf, Farid Mulana, Yanna Syamsuddin, Nanda Suriaini, M. D. S. (2024). Pemodelan kinetika pengeringan buah amla (Indian gooseberry). Agrointek : Jurnal Teknologi Industri Pertanian, 18(4), 861–870. https://doi.org/10.21107/agrointek.v18i4.19802

Aysel Arslan, Yurtsever Soysal, M. K. (2020). Mathematical Modeling , Moisture Di ff usion and Color Quality in Intermittent Microwave Drying of Organic and Conventional Sweet Red Peppers. in 2018, 393–407.

Bambang Sigit Amanto, Godras jati Manuhara, R. R. P. (2015). KINETIKA PENGERINGAN CHIPS SUKUN (Artocarpus communis) DALAM PEMBUATAN TEPUNG SUKUN TERMODIFIKASI DENGAN ASAM LAKTAT MENGGUNAKAN CABINET DRYER. Jurnal Teknolohi Hasil Pertanian, VIII(1).

Basso, A. N. S., Erdem, T., & Öztekin, S. (2025). Analysis of Drying Kinetics and Mathematical Modelling of Peanut Pods using Sunlight, Hot Air, and Microwaves Drying Processes. Turkish Journal of Agriculture - Food Science and Technology, 13(2), 368–375. https://doi.org/10.24925/turjaf.v13i2.368-375.7192

Beigi, M. (2017). Mathematical modelling and determination of mass transfer characteristics of celeriac slices under vacuum drying. Periodica Polytechnica Chemical Engineering, 61(2), 109–116. https://doi.org/10.3311/PPch.9271

Caroko, N. (2025). KAJI EKSPERIMENTAL PENGERINGAN PADI (Oryza sativa) MENGGUNAKAN OVEN MICROWAVE PADA TEMPERATUR 60°C, 70°C, 80°C, 90°C, 100°C. Inovasi Teknik Kimia, 10(2), 80–85.

Chaniago, R., Lamusu, D., & Samaduri, L. (2019). KOMBINASI TEPUNG TERIGU DAN TEPUNG TAPIOKA TERHADAP DAYA KEMBANG DAN SIFAT ORGANOLEPTIK KERUPUK TERUBUK (Saccharum edule Hasskarl). Jurnal Pengolahan Pangan, 4(1), 1–8. https://doi.org/10.31970/pangan.v4i1.20

Chengjie Li, Bin Li, J. H. and C. L. (2020). applied sciences Energy and Exergy Analyses of a Combined Infrared. https://doi.org/https://doi.org/10.3390/app10186289

Darvishi, H., Zarein, M., & Farhudi, Z. (2016). Energetic and exergetic performance analysis and modeling of drying kinetics of kiwi slices. Journal of Food Science and Technology, 53(5), 2317–2333. https://doi.org/10.1007/s13197-016-2199-7

Desta Dugassa Fufa, Tilahun Bekele, Aynadis Tamene, G. B. (2025). Drying

kinetic models, thermodynamics, physicochemical qualities, and bioactive compounds of avocado (Persea americana Mill. Hass variety) seeds dried using various drying methods. Heliyon, 11(1), e41058. https://doi.org/10.1016/j.heliyon.2024.e41058

Devi Safrina, Prambayu Brenda Herera, E. S. (2021). MODEL KINETIKA PENGERINGAN, KADAR SARI DAN KADAR ABU SIMPLISIA TIMI (Thymus vulgaris L.) DENGAN BEBERAPA METODE PENGERINGAN MANUAL DAN OVEN. Agrointek, 15(1), 186–195.

Dwi, E., Faridah, A., Teknik, F., Padang, U. N., & Technique, G. (2019). PENGEMBANGAN PRODUK SALA LAUAKDENGAN TEKNIK GELATINISASI. 8(2), 259–267.

Eli Trisnowati, Desika Rosiana Putri, Sabilla Safa Annisa Qurrota, Filda Khoirun Nikmah, & Danysa Mulyaningrum. (2023). Analisis Konsep Termodinamika pada Produksi Kerupuk Sebagai Bentuk Kearifan Lokal di Magelang Jawa Tengah. JURNAL PENDIDIKAN MIPA, 13(1), 268–273. https://doi.org/10.37630/jpm.v13i1.795

Endang Supraptiah, Aisyah Suci Ningsih, Z. (2019). OPTIMASI TEMPERATUR DAN WAKTU PENGERINGAN MI KERING YANG BERBAHAN BAKU TEPUNG JAGUNG DAN TEPUNG TERIGU TEMPERATURE. 10(02), 42–47.

Fachri Ibrahm Nasution, Arief Fazlul Rahman, Widya Laila, Riri Nasirly, F. A. (2025). Pemodelan karakteristik pengeringan pada proses pengeringan nanas (ananas comosus). 8(1), 1371–1377.

Fadhilatunnur, H., Murtadho, Z., Muhandri, T., Pertanian, F. T., Food, S. A., & Science, A. (2022). Pengeringan Cabai Merah (Capsicum annuum L .) dengan Kombinasi Oven Microwave dan Kipas Angin. 9(1), 26–35. https://doi.org/10.29244/jmpi.2022.9.1.26

GhbashloA, M., Kianmehr, M. H., Khani, S., & Ghasemi, M. (2009). Mathematical modelling of thin-layer drying of carrot. 313–317.

Haryati, H., Hawa, L. C., & Hendrawan, Y. (2025). KINETIKA PENGERINGAN VAKUM DAN KARAKTERISTIK FISIKOKIMIA PADA BERBAGAI JENIS IRISAN MANGGA (Mangifera indica L.). Jurnal Teknologi Pertanian, 26(3), 239–256. https://doi.org/10.21776/ub.jtp.2025.026.03.4

Hermanuadi, D., Ratna Dwita, D., Ridwan, M., Alam, N., Wijdan, M. A., Pangan, T. R., Pertanian, T., & Jember, P. N. (2023). Pemodelan Matematis Kinetika Pengeringan Lapis Tipis Kunyit Dengan Microwave Pada Berbagai Level Energi Mathematical Modeling of Thin Layer Drying Kinetics of Turmeric with Microwave at Various Energy Levels. The First National Conference On Innovative Agriculture, November 2023, 98–109.

Irfan, A. M., Lestari, N., Arimansyah, A., & Rasyid, A. R. (2021). Kinetika Pengeringan Cabai dengan Perlakuan Blansing Suhu Rendah-Waktu Lama. AGRITEKNO: Jurnal Teknologi Pertanian, 10(1), 24–35. https://doi.org/10.30598/jagritekno.2021.10.1.24

İzli, N., & Polat, A. (2020). Intermittent microwave drying of apple slices: Drying kinetics, modeling, rehydration ratio and effective moisture diffusivity. Tarim Bilimleri Dergisi, 26(1), 32–41. https://doi.org/10.15832/ankutbd.464715

Joardder, M. U. H., & Karim, M. A. (2025). Toward Uniform Microwave Heating in Food Drying: Principles, Technologies, and Emerging Trends. Food Engineering Reviews, 17(4), 946–965. https://doi.org/10.1007/s12393-025-09426-5

Kim, S. H., Tanaka, F., & Tanaka, F. (2021). Drying kinetics and determination of effective moisture diffusivity and activation energy in cucumber pericarp tissues using thin-layer drying models. Food Science and Technology Research, 27(2), 181–192. https://doi.org/10.3136/FSTR.27.181

Kipcak, A. S., & Doymaz, I. (2020). Mathematical Modeling and Drying Characteristics Investigation of Black Mulberry Dried by Microwave Method Mathematical Modeling and Drying Characteristics Investigation of Black Mulberry Dried by Microwave Method. International Journal of Fruit Science,

00(00), 1–12. https://doi.org/10.1080/15538362.2020.1782805

Koswara Sutrisno. (2009). Pengolahan aneka kerupuk. Ebookpangan.Com, 1–31.

Krisna Evania, M., Ananingsih, V. K., & Soedarini, B. (2024). Kajian Pustaka Optimasi Kondisi Proses Berbagai Metode Pengeringan Pada Rimpang (Jahe, Kunyit, dan Temulawak). Innovative: Journal Of Social Science Research, 4(1), 5483–5496. https://doi.org/10.31004/innovative.v4i1.8474

Kusumaningrum, A., Prasetyo, D. J., & Novita, E. R. (2019). Modelling the drying characteristics of the traditional Indonesian crackers " kerupuk ". Research in Agricultural Engineering, 65(4), 137–144. https://doi.org/10.17221/27/2019-RAE

Leviana, W. (2017). Pengaruh Suhu Terhadap Kadar Air Dan Aktivitas Air Dalam Bahan Pada Kunyit (Curcuma Longa) Dengan Alat Pengering Electrical Oven. 13(2), 37–44.

Manalu, L. P., & Tambunan, A. H. (2016). Analisis eksergi pengeringan irisan temulawak. 36(1), 96–103.

Maskan, M. (2001). Drying, shrinkage and rehydration characteristics of kiwifruits during hot air and microwave drying. Journal of Food Engineering, 48(2), 177–182. https://doi.org/10.1016/S0260-8774(00)00155-2

Minaei, S., Motevali, A., Najafi, G., & Seyedi, S. R. M. (2011). Influence of drying methods on activation energy, effective moisture diffusion and drying rate of pomegranate arils (Punica Granatum). Australian Journal of Crop Science, 6(4), 584–591.

Nurfitriyani, A., , Meilya Suzan Triyastuti1*, L. M. S., Wahidi, B. R., & Iman Mukhaimin. (2024). Perhitungan Kadar Air, Rendemen dan Uji Organoleptik pada Ikan Asin. Media Teknologi Hasil Perikanan, 45–55. https://doi.org/10.35800/mthp.12.1.2024.53300

Nurmuliana, E., Jamaluddin, & Mustarin, A. (2022). Mathematical Model of Thin Layer Drying The Fruit Mahkota Dewa (Phaleria macrocarpa). Jurnal

Pendidikan Teknologi Pertanian, 8(1), 57–70.

Omolola, A. O., Jideani, A. I. O., & Kapila, P. F. (2014). Modeling microwave drying kinetics and moisture diffusivity of Mabonde banana variety. 7(6). https://doi.org/10.3965/j.ijabe.20140706.013

P, .Jamaluddin. (2018). Pengolahan Aneka Kerupuk dan Keripik Bahan Pangan.

Rauf, R. F. (2021). Pemodelan Kinetika Pengeringan Rumput Laut Eucheuma cottonii Menggunakan Pengering Surya Efek Rumah Kaca. Jurnal Pendidikan Teknologi Pertanian, 7(1), 139. https://doi.org/10.26858/jptp.v7i1.19312

Rifai Ahmad, Viktor, Naubnome, A. (2022). Analisis Laju Kerusakan Eksergi Dan Efisiensi Eksergi Pada Pembangkit Listrik Tenaga Uap. Media Bina Ilmiah, 17(2), 263–270.

Rizkia Marisa, Bambang Sukarno Putra, R. K. (2021). Analisis Pengaruh Tingkat Daya Pada Pengeringan Dengan Oven Microwave Terhadap Kualitas Gaplek Uwi Ungu. Jurnal Ilmiah Mahasiswa Pertanian, 6(November), 568–577.

Saydam, D. D. (2025). Convective Drying Behavior and Mass Diffusivity Modeling of Persimmon Fruit Leather with Comparative Computer Methodologies. 23(1), 28–36. https://doi.org/10.24323/akademik-gida.1697190

Sianoun, N., Pongyeela, P., Chairerk, N., & Chungsiriporn, J. (2023). Thin Layer Drying Kinetics and Mathematical Modeling of Moisture Diffusivity in Cocoa Pod Husk (CPH). Engineering Journal, 27(8), 1–12. https://doi.org/10.4186/ej.2023.27.8.1

Simanjuntak, M. E., & Widyawati, P. S. (2022a). Model matematika pengeringan daun bunga kecombrang (Etlingera elatior jack) pada pengering rotary skala laboratorium. 16(1), 104–112. https://doi.org/10.21107/agrointek.v16i1.10625

Simanjuntak, M. E., & Widyawati, P. S. (2022b). Pengeringan Ampas Tebu Pada Microwave: Kinetika Pengeringan, Diffusi Efektif Dan Aspek Energi. Jurnal

Teknologi Hasil Pertanian, 15(1), 62. https://doi.org/10.20961/jthp.v15i1.51495

Suherman, S., & Trisnaningtyas, R. (2016). Analisa Energi Dan Eksergi Pada Pengeringan Tepung Tapioka Menggunakan Pengering Kontinyu Unggun Fluidisasi Getar. Reaktor, 16(1), 24. https://doi.org/10.14710/reaktor.16.1.24-31

Syah, H. (2023). Analisis eksergi pengering tipe bak untuk pengeringan simplisia herbal. Teknologi Industri Pertanian, 17(1), 114–122. https://doi.org/10.21107/agrointek.v17i1.13438

Syah, H., Tambunan, A. H., Hartulistiyoso, E., & Manalu, L. P. (2021). Kinetika Pengeringan Lapisan Tipis Daun Jati Belanda (Thin Layer Drying Kinetics of Guazuma Ulmifolia Leaves). Jurnal Keteknikan Pertanian, 8(2), 53–62. https://doi.org/10.19028/jtep.08.2.53-62

Syahbanu, F., Napitupulu, F. I., Septiana, S., & Aliyah, N. F. (2023). Struktur pati beras (Oryza sativa L .) dan mekanisme perubahannya pada fenomena gelatinisasi dan retrogradasi. 17(4), 755–767. https://doi.org/10.21107/agrointek.v17i4.15315

Taufan, A., Karim, M. A., Putra, S. A., Pramono, E. K., & Hanifah, U. (2020). Studi eksperimental dan model matematika pengeringan daun kelor (moringa oleifera) dengan empat tipe pengeringan experimental study and mathematical model of moringa oleifera leaves drying with four drying types. 14(2), 341–352.

Ulfa, G. M., Nopriyani, I., Fathuroya, V., Putri, W. D. R., Fibrianto, K., & Widjanarko, S. B. (2022). Temperature Influence on Swelling Power, Solubility, and Water Binding Capacity of Ultrasound-treated Sweet Potato Starch. Jurnal Teknologi Pertanian, 23(3), 193–202.

Yosika, N. I. W., Purbasari, D., Taruna, I., Sutarsi, S., & ... (2025). Pemodelan Matematis Kinetika Pengeringan Bubuk Bawang Putih Menggunakan Oven Konveksi dengan Pendekatan Model Lapis Tipis. NEI Journal, 1(1), 22–26.

https://nrri-journal.com/index.php/nei-j/article/view/6%0Ahttps://nrri-journal.com/index.php/nei-j/article/download/6/7

Zanirah, S., Sutini, S., & Pribadi, D. U. (2023). The Effect of Growmore and BAP (Benzyl Amino Purine) Concentrations on The Growth of Dendrobium bigiante agrihorti Orchid In-Vitro. Jurnal Teknik Pertanian Lampung (Journal of Agricultural Engineering), 12(3), 710. https://doi.org/10.23960/jtep-l.v12i3.710-720

Zeng, Z., Han, C., Wang, Q., Yuan, H., Zhang, X., & Li, B. (2024). Analysis of drying characteristic, effective moisture diffusivity and energy, exergy and environment performance indicators during thin layer drying of tea in a convective-hot air dryer. Frontiers in Sustainable Food Systems, 8(April), 1–13. https://doi.org/10.3389/fsufs.2024.1371696