

DAFTAR PUSTAKA

- Abano, E. E., Ma, H., dan Qu, W. (2011). Influence of Air Temperature on the Drying Kinetics and Quality of Tomato Slices. *Journal of Food Processing & Technology*, **2(5)**, 1- 9.
- Abasi, S., Mousavi, M. S., Mohebi, M., dan Kiani, S. (2009). Effect of Time and Temperature on Moisture Content, Shrinkage, and Rehydration of Dried Onion. *Iranian Journal of Chemical Engineering*, **6(3)**, 57 -70.
- Abdullah, K., Tamrin, Wenur, F., Wulandani, D., (1994). Optimasi dalam Perencanaan Alat Pengering Hasil Pertanian dengan Energi Surya. Laporan Akhir Penelitian Hibah Bersaing I. Ditjen DIKTI, Departemen Pendidikan dan Kebudayaan, IPB. Bogor.
- Abdullah, K. (2007). Dissemination of GHE Solar Dryer in Indonesia. *ISESCO Science and Technology Vision*, **3(3)**, 102 - 105.
- Ali, S. A. (2007). *Cardamom processing. Practical action technical brief.*, http://www.practicalaction.org/technical_information_service/ [21 Oktober 2008]
- Annaratone, D. (2010). *Engineering Heat Transfer*. Verlag Berlin Heidelberg: Springer.
- Arabhosseini, A., Huisman, W., dan Müller, J. (2010). Modeling of the equilibrium moisture content (EMC) of *Miscanthus giganteus*. *Biomass and Bioenergy*, **34**, 411 - 416.
- Argyropoulos, D., Alex, R., Kohler, R., dan Müller, J. (2012). Moisture sorption isotherms and isosteric heat of sorption of leaves and stems of lemon balm (*Melissa officinalis* L.) established by dynamic vapor sorption. *LWT - Food Science and Technology*, **47**, 324 - 331.
- Arjona, R., Ollero, P., dan Vidal, F. B. (2005). Automation of an Olive Waste Industrial Rotary Dryer. *Journal of Food Engineering*, **68**, 239 - 242.
- ASAE. (1999, OCT95). Moisture relations of plant-based agricultural products. *ASAE STANDARDS D245.5*, hal. 512 -528.

- Aviara, N. A., Ajibola, O. O., Aregbesola, O. A., dan Adedeji, M. A. (2006). Moisture sorption isotherms of sorghum malt at 40 and 50°C. *Journal of Stored Products Research* , **42**, 290 - 301.
- Ayyapan, S., dan Mayilsamy, K. (2010). Solar tunnel dryer with thermal storage for drying copra. *Proceedings of the 37th national and 4th international conferencene on Fluid mechanics and Fluid Power*. HT Madras, Chennai, India.
- Bagheri, N., Mohtasebi, S. S., Keyhani, A., Javadikia, P., dan Abbaszadeh, R. (2012). Simulation and control of fan speed in a solar dryer for optimization of energy efficiency. *Agric Eng Int: CIGR Journal*, **14(1)**, 57 - 62.
- Bal, L. M., Satya, S., dan Naik, S. N. (2010). Solar dryer with thermal energy storage systems for drying agricultural food products: A review. *Renewable and Sustainable Energy Reviews* , **14**, 2298 - 2314.
- Bal, L. M., Satya, S., Naik, S. N., dan Meda, V. (2011). Review of solar dryers with latent heat storage systems for agricultural products. *Renewable and Sustainable Energy Reviews*, **15**, 876 – 880.
- Bala, B. K. (1997). *Drying And Storage Of Cereal Grains*. . Calcuta, New Delhi , India: Oxford & IBH Publishing Co. PVT. LTD,.
- Banerjee, R. (2005). Capacity building for renewable energy in India. *Proceedings of International Congress on Renewable Energy (ICORE 2005)*, (hal. 77-83). Pune, India.
- Belessiotis, V., dan Delyannis, E. (2011). Solar Drying. *Solar Energy*, **85**, 1665 - 1691.
- Bennamoun, L., dan Belhamri, A. (2006). Numerical simulation of drying under variable external condition: application to solar drying of seedless grapes. *Journal of Food Engineering*, **76(2)**, 179 - 187.
- Berk, Z. (2009). *Food process engineering and technology*. 30 Corporate Drive, Suite 400, Burlington, , USA: Academic Press is an imprint of Elsevier.
- Boughali, S., Benmoussa, H., Bouchekima, B., Mennouche, D., Bouguettaia, H., dan Bechki, D. (2009). Crop drying by indirect active hybrid solar – electrical dryer in the eastern Algerian Septentrional Sahara. *Solar Energy* , **83**, 2223 – 2232.

- Brooker, D. B., Bakker-Arkema, F. W., dan Hall, C. W. (1981). *Drying Cereal Grains*. Westport, Connecticut: The AVI Publishing Company, Inc.
- Brooker, D. B., Bakker-Arkema, F. W., dan Hall, C. W. (1992). *Drying and Storage of Grains and Oil Seeds*. New York: Van Nostrand Reinhold.
- Cao, E. (2010). *Heat transfer in process engineering*. New York: McGraw-Hill Companies, Inc.
- Cengel, Y. A. (2003). *Heat Transfer : a practical approach* (2nd Edition ed.). New York: McGraw-Hill Companies, Inc.
- Center for Agricultural Policy with Prosperity Initiative (2009). *Small Scale Review of Cardamom* [http://prosperityinitiative.org/images/stories/Small scale Review of Cardamom.pdf](http://prosperityinitiative.org/images/stories/Small%20scale%20Review%20of%20Cardamom.pdf) [24 November 2011]
- Chen, C. C., dan Morey, R. V. (1989). Comparison of four EMC/ ERH equations. *Transactions of the ASABE*, **32(3)**, 983 - 990.
- Chenarbon, H. A., Hasheminia, S. M., Movahhed, S., Motevali, A., dan Fardpour, S. (2012). Moisture Sorption Isotherms of Rosemary (*Rosmarinus officinalis* L.) Flowers at Three Temperatures. *American-Eurasian J. Agric. & Environ. Sci.*, **12(9)**, 1209 - 1214.
- Chong, C. H., Law, C. L., Cloke, M., Hii, C. L., dan Abdullah, L. C. (2008). Drying kinetics and product quality of dried Chempedak. *Journal of Food Engineering*, **88**, 522 - 527.
- Chowdhury, M. M., Huda, M. D., Hossain, M. A., dan Hassan, M. S. (2006). Moisture sorption isotherms for mungbean (*Vigna radiata* L). *Journal of Food Engineering*, **74**, 462 - 467.
- Dellia, L. (2002). *Pengeringan Kapulaga Lokal (Amomum cardamomum Willd) dengan Microwave*. Skripsi, Jurusan Teknik Pertanian, FATETA IPB, Bogor.
- Devahastin, S., dan Pitaksuriyarat, S. (2006). Use of latent heat storage to conserve energy during drying and its effect on drying kinetics of a food product. *Applied Thermal Engineering*, **26**, 1705 -1713.
- Dincer, I., dan Hussain, M. M. (2002). Development of a new Bi–Di correlation for solids drying. *International Journal of Heat and Mass Transfer*, **45**, 3065–3069

- Doymaz, I. (2004). Convective air drying characteristics of thin layer carrots. *Journal of Food Engineering*, **61**, 359 - 364.
- Doymaz, I., dan Ismail, O. (2011). Drying characteristics of sweet cherry. *Food and Bioproducts Processing*, **89**, 31-38.
- Duc, L. A., Han, J. W., dan Keum, D. H. (2011). Thin layer drying characteristics of rapeseed (*Brassica napus* L.). *Journal of Stored Products Research*, **47**, 32-38.
- Duffie, J. A., dan Beckman, W. A. (2006). *Solar Engineering of Thermal Processes* (3 ed.). Hoboken, New Jersey: John Wiley and Sons, Inc.
- Fahimah. (1989). *Mempelajari Pengeringan Kapulaga Sabrang (Elettaria cardamomum Maton) dengan Alat Pengering Tipe Rak*. Skripsi, Jurusan Teknik Pertanian, FATETA IPB, Bogor.
- Fudholi, A., Sopian, K., Yazdi, M. H., Ruslan, M. H., Gabbasa, M., dan Kazem, H. A. (2014). Performance analysis of solar drying system for red chili. *Solar Energy*, **99**, 47 - 54.
- Fuller, R. J., dan Charters, W. W. (1997). Performance of a Solar Tunnel Dryer with Microcomputer Control. *Solar Energy*, **59(4-6)**, 151 - 154.
- Gamea, G. R., dan Taha, A. T. (2012). Mathematical Model of Grapes Solar Drying. *Journal of Applied Sciences Research*, **8(12)**, 5708 - 5723.
- Goyal, R. K., Kingsly, A. R., Manikantan, M. R., dan Ilyas, S. M. (2007). Mathematical modelling of thin layer drying kinetics of plum in a tunnel dryer. *Journal of Food Engineering*, **79**, 176 – 180.
- Goyal, S., Kumar, M., dan Kaur, A. (2014). Thin layer drying kinetics of potato mash. *BEST : International Journal of Management, Information Technology and Engineering*, **2(1)**, 43 - 56.
- Gupta, P., Ahmed, J., Shivhare, U. S., dan Raghavan, G. S. (2002). Drying characteristics of red chilli. *Drying Technology*, **20(10)**, 1975-1987.
- Hall, C. W. (1957). *Drying Farm Crops*. East Lansing, Michigan: Agricultural Consulting Associates Inc.

- Hassan-Beygi, S. R., Aghbashlo, M., Kianmehr, M. H., dan Massah, J. (2009). Drying characteristics of walnut (*Juglans regia* L.) during convection drying. *International Agrophysics*, **23**, 129 - 135.
- Heldman, D. R., dan Singh, R. P. (1981). *Food Processing Engineering* (Ed ke-2 ed.). Westport Connecticut: The AVI Publishing Company Inc.
- Henderson, S. M., dan Pabis, S. (1961). Grain drying theory I. Temperature effect on drying coefficient. *Journal of Agricultural Engineering Research*, **6**, 169 – 174.
- Henderson, S. M., dan Perry, R. L. (1976). *Agricultural Process Engineering*. Westport Connecticut: The AVI Publishing Company Inc.
- Hodali, R., dan Bougard, J. (2001). Integration of Desicant Unit in Crops Solar Drying Installation: Optimization by Numerical Simulation. *Energy Conversion and Management*, **42**, 1543.
- Holmberg, H., dan Ahtila, P. (2005). Evaluation of energy efficiency in biofuel drying by means of energy and exergy analysis. *Applied Thermal Engineering*, **25**, 3115 – 3128.
- Hosain, M. A., dan Bala, B. K. (2002). Thin layer drying characteristics for green chilli. *Drying Technology*, **20**, 489-505.
- Hossain, M. A., Woods, J. L., dan Bala, B. K. (2005). Simulation of Solar Drying of Chilli in Solar Tunnel Dryer. *International Journal of Sustainable Energy*, **24**, 143.
- Imre, L. (2006). Solar Drying. Dalam A. S. Mujumdar (Penyunting), *Hand Book of Industrial Drying* (3rd Edition ed., hal. 308 - 356). New York: Taylor & Francis Group, LLC.
- Incropera, F. P., Dewitt, D. P., Bergman, T.L., dan Lavine, A.S. (2007). *Fundamental of Heat and Mass Transfer* (6th Edition). New York: John Wiley and Sons.
- Jain, D. (2005). Modeling the performance of greenhouse with packed bed thermal storage on crop drying application. *Journal of Food Engineering*, **21**, 170 - 178.

- Jain, D., dan Tiwari, G. N. (2004). Effect of Greenhouse on Crop Drying Under Natural and Forced Convection II “Thermal Modeling and Experimental Validation”. *Energy Conversion and Management*, **45**, 2777 - 2793.
- Jangam, S. V., dan Mujumdar, A. S. (2010). Basic Concepts and Definitions. Dalam S. V. Jangam, C. L. Law, & A. S. Mujumdar (Penyunting), *Drying of Foods, Vegetables and Fruits, Volume 1* (Vol. I, hal. 3-26). Singapore: ISBN: 978-981-08-6759-1.
- Janjai, S., Lamlert, N., Intawee, P., Mahayothee, B., Bala, B. K., Nagle, M., dan Muller, J. (2009). Experimental and simulated performance of a PV-ventilated solar greenhouse dryer for drying of peeled longan and banana. *Solar Energy*, **82**, 1550 – 1565.
- Janjai, S., Sruamsiri, P., Intawee, P., Thumrongmas, C., Lamlert, N., Boonrod, Y., dan Muller, J. (2010). Experimental and Simulated Performance of Greenhouse Dryer for Drying Litchi Flesh. *Contributed Paper prepared for presentation at the international symposium ‘Sustainable Land Use and Rural Development in Mountainous Regions of Southeast Asia*. Hanoi.
- Janjai, S., Intawee, P., Kaewkiew, J., Sritus, C., dan Khamvongsa, V. (2011). A large-scale of solar greenhouse dryer using polycarbonat cover: Modeling and testing in a tropical environment of Lao People's Democratic Republic. *Renewable Energy*, **36**, 1053 - 1062.
- Janjai, S., Precoppe, M., Lamlert, N., Mahayothee, B., Bala, B. K., Nagle, M., dan Muller, J. (2011a). Thin-layer drying of litchi (*Litchi chinensis* Sonn.). *Food and Bioproducts Processing*, **89**, 194–201.
- Janjai, S., Lamlert, N., Mahayothee, B., Bala, B. K., Precoppe, M., dan Muller, J. (2011b). Thin Layer Drying of Peeled Longan (*Dimocarpus longan* Lour.). *Food Science Technology Research*, **17**(4), 279 – 288.
- Janjai, S. (2012). A greenhouse type solar dryer for small-scale dried food industries: Development and dissemination. *International Journal of Energy and Environment*, **3**(3), 383 - 398.
- Jayas, D. S., Cenkowski, S., Pabis, S., dan Muir, W. E. (1991). Review of Thin layer Drying and Wetting Equations. *Drying Technology*, **9**(3), 551 - 588.
- Kaleemullah, S., dan Kailappan, R. (2004). Moisture Sorption Isotherms of Red Chillies. *Biosystems Engineering*, **88**(1), 95 - 104.

- Kasaninejad, M., Tabil, L. G., Mortazavi, A., dan Safekordi, A. (2003). Effect of drying methods on quality of psitachio nuts. *Drying Technology*, **25**(5), 821 - 838.
- Kays, W. M., dan Crawford, M. E. (1980). *Convective Heat and Mass Transfer*. New York: McGraw Hill.
- Kemp, I. C. (2012). Fundamentals of Energy Analysis of Dryers. Dalam E. Tsotsas, dan A. S. Mujumdar (Penyunting), *Modern Drying Technology Volume 4: Energy Savings* (1 ed., hal. 1 - 46). Toronto, Canada: Wiley-VCH Verlag GmbH & Co. KGaA.
- Kowalski, S. J., dan Pawłowski, A. (2011). Energy consumption and quality aspect by intermittent drying. *Chemical Engineering and Processing*, **50**, 384 - 390.
- Krokida, M. K., Karathanos, V. T., Maroulis, Z. B., dan Marinos-Kouris, D. (2003). Drying kinetics of some vegetables. *Journal of Food Engineering*, **59**, 391 - 403.
- Kulkarni, G. N., Kedare, S. B., dan Bandyopadhyay, S. (2007). Determination of design space and optimization of solar water heating systems. *Solar Energy*, **81**(8), 958 - 968.
- Kumar, N., Sarkar, B. C., dan Sharma, H. K. (2012, January - February). Mathetamtical modelling of thin layer drying hot air drying of carrot pomace. *Journal of Food Science Technology*, **49**(1), 33-41.
- Lewis, W. K. (1921). The rate of drying of solids. *The Journal of Industrial and Engineering Chemistry*, **13**(5), 427 - 432.
- Li, X. (2012). The Hygroscopic Properties and Sorption Isothermic Heats of Different Chinese Wheat Types. *Journal of Food Research*, **1**(2), 82 -98.
- Lopez-Vidana, E. C., Mendes-Lagunas, L. L., dan Rodriguez-Ramirez, J. (2013). Efficiency of a hybrid solar–gas dryer. *Solar Energy*, **93**, 23 - 31.
- Madjo-Indo, A. B. (1989). *Kapulaga: Budidaya, Pengolahan dan Pemasaran*. Jakarta: Penebar Swadaya.
- Marinos-Kouris, D., dan Maroulis, Z. B. (2006). Transport Properties in The Drying of Solids. Dalam A. S. Mujumdar (Penyunting), *Hand Book of*

Industrial Drying (3 rd Edition ed., hal. 82-114). New York: Taylor & Francis Group, LLC.

Mihindukulasuriya, S. D., dan Jayasuriya, H. P. (2013). Mathematical modeling of drying characteristics of chilli in hot air oven and fluidized bed dryers. *Agric Eng Int: CIGR Journal*, **15**(1), 154 – 166.

Misha, S., Mat, S., Ruslan, M. H., Sopian, K., dan Salleh, E. (2013). Review on the Application of Tray Dryer Syastem for Agricultural Product. *World Applied Sciences Journal*, **22**(3), 424 - 433.

Mohanraj, M., dan Chandrasekar, P. (2009). Performance of a forced convection solar dryer integrated with gravel as heat storage material for chili drying. *Journal of Engineering Science and Techology*, **4**(3), 305 – 314.

Motevali, A., Minaei, S., Khoshtagaza, M., dan Amirnejat, H. (2011). Comparison of energy consumption and specific energy requirements of different methods for drying mushroom slices. *Energy*, **36**, 6433 - 6441.

Mujumdar, A. S., dan Devhastin, S. (2001). *Prinsip dasar pengeringan; Panduan praktis Mujumdar untuk Pengeringan Industrial*. (A. H. Tambunan, D. Wulandani, & L. O. Nelwan, Penerj.) Bogor: IPB Press.

Mursalim. (1995). *Uji performansi sistem pengeringan energi surya dan tungku batubara dengan bangunan tembus cahaya sebagai pembangkit panas untuk pengeringan panili (Vanilla Planifolia)*. Skripsi, FATETA, Institut Pertanian Bogor, FATETA, IPB, Bogor.

Nelwan, L. O. (1997). *Pengeringan Kakao dengan Energi Surya Menggunakan Rak Pengering dengan Kolektor Tipe Efek Rumah Kaca*. Thesis, Program Pascasarjana, IPB Bogor.

Nelwan, L. O. (2005). *Studi On Solar-Assited Dryer With Rotating Rack For Cocoa Beans*. PHD Thesis, The Graduate School, Bogor Agricultural University, Bogor.

Nelwan, L. O., Wulandani, D., Paramawati, R., dan Widodo, T. W. (2007). *Rancang bangun alat pengering efek rumah kaca (ERK)-Hybrid dan In-store Drying (ISD) teritegrasi untuk biji-bijian*. Laporan Hasil Penelitian, Institut Pertanian Bogor, bekerjasama dengan Badan Penelitian dan Pengembangan Pertanian, Bogor.

- Ojediran, J. O., dan Raji, A. O. (2010). Thin layer drying of millet and effect of temperature on drying characteristics. *International Food Reserach Journal*, **17**, 1095 - 1106.
- Othman, M. Y., dan Sopian, K. (2011). Options for Solar Drying Systems: Perspective in Malaysia. *JITE*, **1(12)**, 55 - 66.
- Ozdemir, M., dan Devres, Y. O. (1999). The thin layer drying characteristics of hazelnuts during roasting. *Journal of Food Engineering*, **42**, 225 - 233.
- Parjanto. (2011). *Harga Merica dan Kapulaga Melonjak.*, <http://www.suararembang.com/bisnis/250-harga-merica-dan-kapulaga-melonjak> [24 Nopember 2011]
- Phoungchandang, S., dan Wongwatanyoo, J. (2010). Desorption Isotherms and Drying Characteristics of Carrot Using Tray and Heat Pump-Assisted Dehumidified Drying. *KKU Res J*, **15(3)**, 171 - 186.
- Prabhanjan, D. G., Ramaswamy, H. S., dan Raghavan, G. S. (1995). Microwave-assisted Convective Air Drying of Thin Layer Carrots. *Journl of Food Engineering*, **25(2)**, 283 - 293.
- Prabowo, R. A. (2009). *Penentuan Model Kadar Air Keseimbangan dan konstanta pengeringan kapulaga (Amomum cardamomum Wild) dengan metode dinamis*. Departemen Teknik Pertanian, Fakultas Teknologi Pertanian, IPB.
- Prasad, J., dan Vijay, V. K. (2005). Experimental studies on drying Zingiber Officinale, Curcuma longa l and Tinospora cardifolia in solar-biomass hybrid drier. *Renewable Energy*, **30**, 2097 – 2109.
- Purcell, E., dan Varberg, D. (1990). *Kalkulus dan Geometri Analitis* (Four ed., Vol. I). Jl. Kramat IV No. 11, Jakarta: Penerbit Erlangga.
- Radhika, G. B., Satyanarayana, S. V., dan Rao, D. G. (2011). Mathematical Model on Thin Layer Drying of Finger Milet (Eluesine coracana). *Advance Journal of Food Science and Technology*, **3(2)**, 127 - 131.
- Raji, A., dan Ojediran, J. O. (2011). Moisture sorption isotherms of two varieties of millet. *Food and Bioproducts processing*, **89**, 178 - 184.

- Ratnawati, T. (2003). *Simulasi disain pengering efek rumah kaca untuk pengeringan cengkeh (Eugenia caryophyllus)*. Skripsi, Jurusan Teknik Pertanian, FATETA, Institut Pertanian Bogor, FATETA, IPB, Bogor.
- Rayaguru, K., dan Routray, W. (2012). Mathematical modeling of thin layer drying kinetics of stone apples slices. *International Food Research Journal*, **19(4)**, 1503 - 1510.
- Román, F., dan Hensel, O. (2001). Effect of air temperature and relative humidity on the thin-layer drying of celery leaves (*Apium graveolens var. secalinum*). *Agricultural Engineering International: the CIGR Journal*, **13(2)**.
- Romano, G., Kocsis, L., dan Farkas, I. (2009). Analysis of energy and environmental during solar cabinet drying of apple and carrot. *Drying Technology*, **27(4)**, 574-579.
- Sacilik, K., dan Elicin, A. K. (2006). The thin layer drying characteristics of organic apple slices. *Journal of Food Engineering*, **73**, 281 - 289.
- Sacilik, K., Keskin, R., dan Elicin, A. K. (2006). Mathematical modeling of solar tunnel drying of thin layer organic tomato. *Journal of Food Engineering*, **73(3)**, 231 - 238.
- Saeed, I. E., Sopian, K., dan Zainol- Abidin, Z. (2008). Drying characteristics of Roselle (1): Mathematical Modeling and Drying Experiments. *Agricultural Engineering International: the CIGR Ejournal Manuscript FP 08 015*, **10**, 1 - 25.
- Saeed, I. E., Sopian, K., dan Zainol Abidin, Z. (2008). Drying Characteristics of Roselle: Study of the Two-term Exponential Model and Drying Parameters. *Agricultural Engineering International: the CIGR Ejournal. Manuscript FP 08 016*, **X**, 1 - 27.
- Sarsavadia, P. N. (2007). Development of a solar-assisted dryer and evaluation of energy requirement for the drying of onion. *Renewable Energy*, **32**, 2529 - 2547.
- Shanmugam, V., dan Natrajan, E. (2007). Experimental study of regenerative desiccant integrated solar dryer with and without reflective mirror. *Applied Thermal Engineering*, **27(8-9)**, 1543-1551.

- Sharma, A., Tyagi, V. V., Chen, C. R., dan Buddhi, D. (2009). Review on thermal energy storage with phase change materials and applications. *Renewable and Sustainable Energy Reviews*, **13**, 318 - 345.
- Shittu, T. A., dan Raji, A. O. (2011). Thin layer drying of African Breadfruit (*Teculia africana*) seeds: Modeling and Rehydration Capacity. *Food Bioprocess Technology*, **4**, 224 - 231.
- Sodha, S. M., Dang, A., Bansal, P. K., dan Sharman, S. B. (1985). An Analytical and Experimental Study of Open Sun Drying and a Cabinet Type Dryer". *Energy Conversion and Management*, **25(3)**, 263 - 271.
- Soysal, Y., dan Oztekin, S. (2001). Comparison of Seven Equilibrium Moisture Content Equations for some Medicinal and Aromatic Plants. *Journal of Agricultural Engineering Research*, **78(1)**, 57 - 63.
- Steinfeld, A., dan Segal, I. (1986). Simulation Model for Solar Thin Layer Drying Process. *Drying Technology*, **4**, 535.
- Strumillo, C., Jones, P. L., dan Zylla, R. (2006). Energy Aspects in Drying. Dalam A. S. Mujumdar (Penyunting), *Hand Book of Industrial Drying* (Third ed., hal. 1075 - 1099). New York: Taylor & Francis Group, LLC.
- Sumarsi. (1987). *Penyulingan Kapulaga (Cardamom) dalam rangka Penganekaragaman minyak atsiri export*. Komunikasi No.254, Balai Besar Penelitian dan Pengembangan Industri Hasil Pertanian, Bogor.
- Sumiarso, L. (2011). *Kebijakan energi baru, Energi terbarukan dan konservasi energi*. Kementerian ESDM Republik Indonesia, Direktorat Jenderal Energi Baru Terbarukan dan Konservasi Energi.
- Sun, D. W., dan Byrne, C. (1998). Selection of EMC/ERH isotherm equations for rapeseed. *Journal of Agricultural Engineering Research*, **69**, 307 - 315.
- Sun, D. W., dan Woods, J. L. (1994). The selection of sorption isotherm equations for wheat based on the fitting of available data. *Journal of Stored Products Research*, **30(1)**, 27 - 43.
- Sun, D.-W. (1999). Comparison and selection of EMC/ERH isotherm equations for rice. *Journal of Stored Products Research*, **35**, 249 - 264.
- Taheri-Garavand, A., Rafiee, S., dan Keyhani, A. (2011). Study on Effective moisture diffusivity, activation energy and mathematical modelling of thin

layer drying kinetics of bell pepper. *Australian Journal of Crop Science*, **5(2)**, 128 - 131.

Taheri-Garavand, A., Rafiee, S., dan Keyhanian, A. (2011). Mathematical Modeling of Thin Layer Drying Kinetics of Tomato Influence of Air Dryer Conditions. *International Transaction Journal of Engineering, Management, & Applied Sciences & Technologies*, **2(2)**, 147 - 160.

Tarigan, E., Prateepchaikul, G., Yamsaengsung, R., Sirichote, A., dan Tekasakul, P. (2007). Drying characteristics of unshelled kernel of candle nuts. *Journal of Food Engineering*, **79**, 828 - 833.

Tirawanichakul, S., Prachayawarakorn, S., Varayanond, W., dan Soponronnarit, S. (2009). Drying Strategies for Fluidized-Bed Drying of Paddy. *International Journal of Food Engineering*, **5(2)**.

Torgul, I. T., dan Pahlevian, D. (2002). Mathematical modelling of solar drying of Apricots. *Journal of Food Engineering*, **55**, 209 - 216.

Triwahyudi, S. (2009). *Kajian pengering surya efek rumah kaca (ERK)- Hybrid dengan rak berputar secara vertikal untuk pengeringan kapulaga lokal (Amomum cardamomum Wild)*. Tesis, Sekolah Pasca Sarjana, Institut Pertanian Bogor, Bogor.

Tzempelikos, D. A., Vouros, A. P., Bardakas, A. V., Filios, A. E., dan Margaritis, D. P. (2014). Case studies on the effect of the air drying conditions on the convective drying of quinces. *Case Studies in Thermal Engineering*, **3**, 79 - 85.

Wang, J. (2002). A single-layer model for far-infrared radiation drying of onion slices. *Drying Technology*, **20(10)**, 1941–1953.

Wang, Z., Sun, J., Liao, X., Chen, F., Zhao, G., Wu, J., dan Hu, X., (2007). Mathematical modeling on hot air drying of thin layer apple pomace. *Food Research International*, **40**, 39–46.

Wulandani, D. (1997). *Analisis Pengering pada alat pengering kopi (Coffea Sp.) Efek Rumah Kaca berenergi surya*. Thesis, Sekolah Program Pasca Sarjana, Institut Pertanian Bogor, Program Pascasarjana, IPB, Bogor.

Wulandani, D. (2005). *Kajian Distribusi Suhu, RH dan Aliran Udara Pengering untuk Optimasi Disain Pengering Efek Rumah Kaca*. PhD Thesis, Sekolah Pasca Sarjana, Institut Pertanian Bogor, Sekolah Pascasarjana, IPB, Bogor.

- Wulandani, D., Nelwan, L. O., Agustina, S. E., dan Purwanto, Y. A. (2008). *Pengembangan alat pengering efek rumah kaca (ERK)-Hybrid tipe rak berputar untuk penyeragaman aliran udara*. Laporan Penelitian Hibah Bersaing, LPPM, Institut Pertanian Bogor, Bogor.
- Zare, D., dan Chen, G. (2009). Evaluation of simulation model in predicting the drying parameters for deep-bed paddy drying. *Computers and Electronics in Agriculture*, **68**, 78 - 87.
- Zare, D., Minaei, S., Zadeh, M. M., dan Khoshtaghaza, M. H. (2006). Computer simulation of rough rice drying in a batch dryer. *Energy Conversion and Management*, **47**, 3241 - 3254.