

DAFTAR PUSTAKA

- Afrianti, L.H. (2005). *Teknologi Pengawetan Pangan*. Penerbit Alfabeta, Bandung
- Ajao, K.R., and Adegun, I.K. (2009), Performance evaluation of a locally fabricated mini cassava flash dryer. <http://www.sciencepub.net>, Researcher **1**(3): 54-60.
- Alghazali, N.O.S. (2012), A new method of dimensional analysis (Fluid mechanics applications). *Jordan Journal of Civil Engineering* **6**(3): 361-372.
- Anonim, (2015), *Buku Pedoman Penulisan Tesis dan Disertasi, Program Pascasarjana Fakultas Teknologi Pertanian, UGM Yogyakarta*
- Arumugam, K., Ilangovan, R.. and Manohar, J.D. (2011), A study on characterization and use of pond ash as fine aggregate in concrete. *International Journal of Civil and Structural Engineering* **2**(2):466-474.
- Arumugan, B., (2014), Effect of specific gravity on aggregate varies the weight of concrete cube. *SSRG International Journal Civil Engineering (SSRG-IJCE)***1**(3): 1-9.
- Asosiasi Produsen Tepung Indonesia (2013), Terigu impor terus dibendung, [http:// www.Aptindo.or.id/berita/terigu impor terus dibendung](http://www.Aptindo.or.id/berita/terigu%20impor%20terus%20dibendung). [20 Maret 2013]
- Asosiasi Produsen Tepung Terigu Indonesia (2012), Produksi terigu diproyeksi naik 2 juta ton, [http:// www.Aptindo.or.id/artikel/produksi terigu diproyeksi naik 2 juta ton](http://www.Aptindo.or.id/artikel/produksi%20terigu%20diproyeksi%20naik%202%20juta%20ton). [7 Mei 2012]
- Badan Standardisasi Nasional (2012). SNI-7622-2011, SNI tepung mocaf http://www.sisni.bsn.go.id/index.php/sni_main/sni/detail_sni/10942. [2012]
- Badan standardisasi Nasional (2009), SNI 0834.1:2008, SNI Mesin Pemisah Gabag (*paddy separator*), Bagian 1, butir 3.11.
- Balami, A.A., Adgidzi, D., and Kwaya, E.I. (2012), Modification and testing of a cassava flash dryer feeder unit. *Academic Research International* **2**(3): 82-87.
- Bertoli, S.L. (2000), Radiant and convective heat transfer on pneumatic transport of particles: an analytical study. *Internasional journal of heat and mass transfer* **43**: 2345-2363.
- Bhattarai, S., Oh, J., Euh, S., Kim, D.H., and Yu, L., (2012), Simulation study for pneumatic conveying drying of sawdust for pellet production. *Drying Technology: An International Journal* **32**(10): 1142-1156
- Bradbury, J.H. (2006), Simple wetting method to reduce cysnogen content of cassava flour. *Journal of Food Composition and Analysis*. **19**: 388-393.
- Brooker, D.B., Bakker-Arkema, F.W., Hall, C.W. (1974), *Drying Cereal Grains*, The AVI Publishing Company, Inc. Westport, Connecticut. p. 20-21.

- Buckle, K.A., Edwards, R.A., Fleet, G.H., dan Wootton, M diterjemahkan Purnomo H dan Adiono (1987), Ilmu Pangan, cetakan kedua, Penerbit Universitas Indonesia (UI-Press), Jakarta, h.155.
- Bunyawanicakul, P., Walker, G.J., Sargison, J.E. dan Doe, P.E. (2007). Modelling and simulation of paddy grain (rice) drying in a simple pneumatic drying. *Journal of Biosystem Engineering* **96**(3): 335-344.
- Burubai, W., and Etekpe, G.W. (2014), Particle size characterization of garri powder. *Advanced Journal of Agricultural Research* **2**(12): 197-202.
- Canavas, B.G.V., Ortega-Rivas, E., Juliano, P. dan Yan H. (2005). *Food Fowders: Physical Properties, Processing, and Functionality*, Kluwer Academic/Plenum Publishers, New York.
- Combs, W.B. dan Hubbard, E.F. (2010), Some factors influencing the capacity of the atmospheric drum drier. *Journal of Dairy Science*, **15**(2): 147-154.
- Desrosier, N.W. (2008). *Teknologi Pengawetan Bahan*, Edisi ke tiga, Penerbit Universitas Indonesia, Jakarta
- Dhankhar, P. (2014). Drying: Basic food preservation method, *Journal Science and Technoledge* **2**(5): 235-244.
- Djaeni, M., Praseyaningrum, A. dan Mahayana, A. (2012), Pengeringan kerajinan dari rumput laut *Eucheuma Cottonii* pada spray dryer menggunakan udara yang didehumidifikasi dengan zeolit alam ditinjau: Kualitas produk dan efisiensi energy. *Jurnal Momentum*, **8** (2): 28-34.
- Eduardo, M., Svanberg, U., Oliveira, J., and Ahrne, L. (2013), Effect of cassava flour characteristics on properties of cassava-wheat-maize composite bread types. *International Journal of Food Science*. Article ID 305407, 10 pages, Hindawi Publishing Corporation.
- Frank Kreith (1986), *Prinsip-Prinsip Perpindahan Panas*, Edisi ke 3, Alih Bahasa: Arko Prijono, Penerbit Erlangga, Jakarta.
- Fumihiko, T., Toshitaka, U. dan Daisuke, H. (2008). Mathematical modeling of pneumatic drying of rice powder, *Journal of Food Engineering* **88**: 492-498.
- Geankoplis, C.J. (1995), *Transport Processes and Unit Operations*, 3rd, Edn, Prentice-Hall International, Inc, Singapore.
- Ghasemi, S. (2011), Study of tsunamis by dimensional analysis. *Journal of Research in Engineering*, **3**: 905-910.
- Girma, G., Bultosa, G. and Abera, S. (2014), Effect of drying process and partial substitution of wheat flour with cassava flours at different rations on

- rheological properties and anti-nutritional factors. *Basic Research Journal of Food Science and Technology* **1**(5): 38-44.
- Goula, A.M. dan Adamopoulos, K.G. (2005). Spray drying of tomato pulp in dehumidified air: II. The effect on powder properties, *Journal of Food Engineering* **66**: 35-42
- Gunter, B. dan Morgado, E. (2003). Dimensional analysis revisited. *Journal of Biology Research* **36**: 405-410.
- Hall, C.W. (1972). *Processing Equipment for Agricultural Products*, The AVI Publishing Company, Inc., Westport, Connecticut. p. 1-7.
- Henderson, S.M. (1961). Feed grinding studies. Basic observations and challenges on grinding procedure. *Journal of Agricultural Engineering* **42**: 350-352, 364.
- Henderson, S.M. dan Perry, R.L. (1976). *Agricultural Process Engineering*, 3rd Edn. The Avi Publishing Company, Inc., Westport, Connecticut.
- Holman, J.P. (1995), perpindahan Kalor, Edisi ke 6, Alih bahasa Jasjfi, E, Penerbit Erlangga, Jakarta.
- Howlador, M.F., Quamruzzaman, C., Kabir, A.K.M.F., Hossain, B.M.R., Hossain, A.S.M.G., and Faruque, M.O. (2012), Engineering classification of shari ghat river bed sand and prospect of its utilization. *International Journal of Scientific and Engineering Research (IJSER)* **3**(11): 1-5.
- Hutami, F.D., dan Harijono (2014), Pengaruh penggantian larutan dan konsentrasi NaHCO₃ terhadap penurunan kadar sianida pada pengolahan tepung ubi kayu. *Jurnal Pangan dan Agroindustri* **2**(4): 220-230.
- Ibekwe, U.C., Chikezie, C., Obasi, P.C., Eze, C.C. and Ukoha, H. (2012), Profitability of garri processing in owerri north local government area of imo state. *ARPJN Journal of Science and Tecnology*, **2**(4): 340-343.
- Jackson, B.A., Aladipo, N.O. and Agaja, M.O. (2014), Cassava: A potential crop for industrial raw material in Nigeria. *International Journal of Life Sciences* **3**(3):105-112.
- Kaensup, W., Kulwong, S., and Wongwises, S. (2006), A small-scale pneumatic conveying dryer of rough rice. *Drying Technology: An International Journal* **24**(1): 105-113
- Karel, M and Lund, D.B. (2003). *Physical Principles of Food Preservation*, 2nd, End, Marcel Dekker, Inc, New York, Basel, p.413.
- Khatir, R., Ratna dan Wardani (2011), Karakteristik pengeringan tepung beras menggunakan alat pengering tipe rak. *Jurnal Ilmiah Pendidikan Biologi, Biologi Edukasi* **3**(2): 1-4.

- Kilfoil, M. (2003), Numerical simulation of simultaneous drying and pneumatic conveying: small metallic filter cake particles. *Application of Computers and Operations In the Research in the Minerals Industries*, South African Institute of Mining and Metallurgy, p. 283-288.
- Korn, O., (2001), Cyclone dryer: a pneumatic dryer with increased solid residence time. *Drying Technology: An International Journal* **19**(8): 1925-1937.
- Koswara, S. (2013). Modul Teknologi Pengolahan Umbi-Umbian, Bagian 6: Pengolahan Singkong, Southeast Asian Food and Agricultural Science and Technology (SEAFast) Center, Research and Community Service Institution, Bogor Agricultural University, [http://seafast.ipb.ac.id/tpc-project/wp-content/upload/2013/10/6.Pengolahan singkong.pdf](http://seafast.ipb.ac.id/tpc-project/wp-content/upload/2013/10/6.Pengolahan%20singkong.pdf).
- Kute, S., Patil, K., Salve, R. dan Mandle, S. (2014). Evaluation of compressive strength of cement using rayleigh' dimensional analisis approach. *Journal of Research in Engineering and Technology* **3**(9): 1-4.
- Lam, S.H. (2004). *Dimensional Analysis*, ME351B Fluid Mechanics, Sanford University, Wina.
- Langhaar, H.L. (1967). *Dimensional Analysis and Theory of Models*. A.I.T., Library, Jhon Wiley and Sons, Inc, New York
- Mansoori, M., Saffar-Avval, M., Tabrizi, H.B., dan Ahmadi, G. (2002), Modeling of heat transfer in turbulent gas-solid flow. *Internasional journal of heat and mass transfer* **45**: 1173-1184
- Mao, Q., Fazio, P. dan Rao., J. (2009). In-cavity evaporation allowance- a drying capacity indicator for wood-frame wall system, *Journal Building and Environment* **44**: 2418-2429.
- Marnoto, T., Sulistyowati, E., Budiastuti, P., Sumarwoto, P.S., Syahri, M., Sugiarto, B. and Hanafi, Y. (2014), Drying of rosella (hibiscus sabdariffa) flower petals using solar dryer with glass cover collector. *International Journal of Science and Engineering (IJSE)* **7**(2):150-154.
- Mills, D. (2004), *Pneumatic Conveying Design Guide*, 2nd, Edn, Elsevier Butterworth-Heinemann, Linacre House, Jordan Hill, Oxford. p.6.
- Mujumdar, A.S. (1987). *Handbook of Industrial Drying*, Marcel Dekker, Inc., New York and Basel.
- Nugroho J., Primawati, Y.F. dan Bintoro , N. (2012). Proses pengeringan singkong (monihot esculenta crantz) parut dengan menggunakan pneumatic dryer. *Prosiding Seminar Nasional Perterta, Bali [13-14 Juli 2012]*.
- Pelegrina, A.H. dan Crapiste, G.H. (2001). Modelling the pneumatic drying of food particles. *Journal of Food Engineering* **93**(2): 151-161.

- Pratomo, P.S. (2012), Model matematik pengeringan lapis tipis wortel, *Jurnal Berkala Ilmiah Teknik Kimia, Fakultas Teknik, Universitas Surabaya* 1(1): 21-27.
- Provulovic, S., Tolmac, D., and Lambic, M. (2007), Convection drying in the food industry, *Agricultural Engineering International: the CIGR Ejournal*.9(9): 1-13.
- Rajan, K.S., Dhasandhan, K., Srivastava, S.N. dan Pitchumani, B. (2008), Studies on gas-solid heat transfer during pneumatic conveying. *Internasional journal of heat and mass transfer* 51: 2801-2813
- Randall, A.A. (2000). *Dimensional Analysis, Scale Analysis, and Aimilarity Analysis*. Departement of Atmospheric Science, Colorado State University, Ford Collins, Colorado.
- Rezende, D.D.F., and Kieckbusch, T.G. (2003), Dimensional analysis applied to the identification of flow regimes during sterilization in spin-cooker, *Journal of Food Engineering* 59: 435-439.
- Sampaio, C.P., Nogueira, R.M., Roberto, C.D. dan Silva, J.S. (2007), Development of a dryer with airflow reversal and a pneumatic system for grain movement, *Journal Biosystems Engineering* 98: 33-38.
- Saragi, E., Indrayati, T.Y., dan Setyadji, M. (2010), Analisis panas steady state pada racang bangun tungki kalsinasi ZrO₂ berbasis metode elemen hingga, *Sislah lokakarya komputasi dalam Sain dan Teknologi Nuklir*, h.223-234.
- Singh, R.P dan Heldman D.R. (1998), *Introduction to Food Engineering*, 3rd, Edn, Academic press, A Harcourt Science and Technology Company.
- Sonin, A.A. (2001), *The Physical Basic of Dimensional Analysis*, 2nd Edn, Departement of Mechanical Engineering, MIT, Cambridge.
- Sounthararajan, V.M. and Sivakumar, A. (2013), Reinforcing efficiency of glass fibres in low volume class F fly ash concrete, *Journal of Civil Engineering and Construction Technology (JCECT)*4(6): 184-191.
- Stoess, H.A.JR.PE. (1983). *Pneumatic Conveying*, 2nd,Edn, A Wiley-Interscience Publication, John Wilay and Sons, New York
- Suchorski, D.M. (2007), *Aggregates for Concrete*. ACI Education Buletin E1-07, ACI Committee E-701, Forming Hills,MI.
- Sunitra, E., Zamri, A., Chadry, R., dan Mulyadi (2011), *Kajian eksperimental pengaruh variasi kecepatan udara panas terhadap proses pengeringan gabah*.*Jurnal Teknik Mesin Politknik Negeri Padang*8(1) ISSN 1829-8958.
- Rofarsyam, Purwantana, B., Bintoro, N. (2012), Penerapan Analisis Diensi dalam Rancang Bangun Mesin Pembelah Biji Kedelai (Glycine maxl) Sistem Gesek Putar. *Agritech*, 32(2): 161-166.

- Syafrudin dan Purwanto D.P. (2009), Oven pengering kerupuk berbasis mikrokontroler atmega 8535 menggunakan pemanas pada industry rumah tangga. *Jurnal Teknologi* **2**(1):70-79.
- Tanaka, F., Uchino, T., Hamanaka., D. dan Atungulu., G.G. (2008), Mathematical modeling of pneumatic drying of rice powder. *Journal of food engineering* **88**: 492-498
- Teter, N.C. (1981), *Grain Storage*, Southeast Asia Cooperative Post-Research and Development Programme, Searca, College,Laguna,Philippines Research. pp. 64-66.
- Utomo T. (1984), Teori Dasar Fenomena Transpor, Penerbit Binacipta, Anggota IKAPI, Bandung, h.25-26
- Verdijck, G.J.C., Weiss, M. dan Presig, H.A. (1988). Modelling of pneumatic dryer for potato starch. *Journal of Food Engineering* **37**(2): 243-258.
- Wankkhade, P.K., Sapkal, R.S., and Sapkal, V.S. (2012), Drying characteristics of okra using different drying methods by comperative evaluation. *Proceedings of The World Congress on Engineering and Computer Science (WCECS) Vol.II*, oktober 24-26, San Francisco, USA.
- Zare, D., Ranjbaran, M., Niakousari, M., and Javidi, M. (2012). Thin layer drying and equilibrium moisture content equations for canola (*Brassica napus* L.), *Iran Agricultural Research* **31**(1): 11-20.