

## DAFTAR PUSTAKA

- Apriyantono, A., A. Aristyani, Nurhayati, Y. Lidya, S. Budiyanto, and S.T. Soekarto. 2002. Rate of Browning Reaction during Preparation of Coconut and Palm Sugar. *International Congress Series 1245:275– 278*.
- Arcieri, L. 2014. Organic sweetener: *Google Patents*
- Aryati, A. 2005. *Pengaruh Cara Pelapisan dan Lama Simpan Terhadap Kadar Air, Tekstur dan Penampakan Gula Kelapa*. Skripsi. Universitas Lampung
- Badan Standarisasi Nasional. 2000. SNI 01-3743-1995. *Syarat Mutu Gula Palma: Badan Standarisasi Nasional Indonesia*: Jakarta.
- Baikow, V.E. 1978. *Manufacture and Refining of Raw Cane Sugar*. 2<sup>nd</sup> edition. England.
- Botani, Fauzi. 2008. *Pengaruh Suhu Evaporasi Terhadap Kualitas dan Nilai Organoleptik Susu Kental Manis*. Padang: Universitas Andalas.
- Boyd, Donald, Daniel Goldhaber, Hamilton Lankford, and James Wyckoff, 2007, The Effect of Certification and Preparation on Teacher Quality, Spring Vol.17 No.1.
- Broberg, L. 2014. Improved sugar melting: *Google Patents*
- Brooker, D.B., Bakker-Arkema, F.W. dan Hall, C.W., 1992, *Drying and Storage of Grains and Oil Seed. 4th edition*, van Nostrad USA.
- Brown, G.G., 1978, *Unit Operation, 3rd edition*, Tokyo: McGraw Hill International Book Company.
- Carline, M. J. B., & van Boekel, M. A. J. S. (2003). Kinetic modeling of reactions in heated disaccharide/casein systems. *Journal of Food Chemistry*.
- Coconut Sugar Philippines. 2009. *Coconut Sugar Health Info A Truly Healthy, Natural Sweetener from the Flower Buds of Fresh Coconut*. <http://www.coconutsugarphilippines.com/coconutsugarhealthinfo.php>. Diakses tanggal 8 Oktober 2018.
- Crank J. 1975. *The Mathematics of Diffusion, Ed ke-2*. New York: Oxford University Press.
- Cengel, Yunus A., 2003, *Heat Transfer A Practical Approach, Second Edition*, Singapura: Mc.Graw-Hill Book.
- Darmadi, Hamid. 2011. *Metode Penelitian Pendidikan*. Bandung: Alfabeta.
- Darwin, P. 2013. *Menikmati Gula Tanpa Rasa Takut*. Sinar Ilmu, Perpustakaan Nasional.

- Dewan Standarisasi Nasional. 1995. SNI: Gula Kelapa Kristal SII 0268-85. *Dewan Standarisasi Nasional. Jakarta.*
- Doymaz I. 2004. Convective air drying characteristics of thin layer carrots. *Journal of Food Engineering* 61:359–364.
- Earle, R. L. 1969. *Unit Operation in Food Processing*. PT. SASTRA HUDAYA, Bogor.
- Fathinatullabibah, F., Kawiji, K., & UmiKhasanah, L. (2014). Stabilitas Antosianin Ekstrak Daun Jati (*Tectonagrandis*) terhadap Perlakuan pH dan Suhu. 60 *Jurnal Aplikasi Teknologi Pangan*, 3(2). Retrieved from [http://journal.ift.or.id/files/326063Stabilitas Antosianin Ekstrak Daun Jati \(Tectona grandis\) terhadap Perlakuan pH dan Suhu .pdf](http://journal.ift.or.id/files/326063Stabilitas%20Antosianin%20Ekstrak%20Daun%20Jati%20(Tectona%20grandis)%20terhadap%20Perlakuan%20pH%20dan%20Suhu.pdf) Dewan Standarisasi Nasional, 1995. Gula palma. SNI 01-3743-1995.
- Febrianto, Arie M. 2011. *Studi Kelayakan Pendirian Unit Pengolahan Gula Semut Dengan Pengolahan Sistem Reprocessing Pada Skala Industri Menengah di Kabupaten Blitar*. Lokakarya Nasional Pemberdayaan Potensi Keluarga Tani untuk Pengentasan Kemiskinan. Universitas Brawijaya. Malang.
- Febriyanti, R., W.H. Susanto, N.I.P. Nugrahini. 2014. Karakteristik sirup jahe nira kelapa terfer-mentasi delapan jam (Kajian Jenis dan Konsentrasi Sari Jahe). *Jurnal Pangan dan Agroindustri*. 3(3):1026-1031.
- Handojo, L. 1995. *Teknologi Kimia*. Jakarta. PT Pradya Paramita.
- Hasbullah. 2001. *Dasar-Dasar Ilmu Pendidikan*. Jakarta: PT Raja Grafindo Persada.
- Heldman, D.R. and R.P. Singh. 2001. *Introduction to Food Engineering*. London: Academic Press.
- Hirsch, C. 2007. *Numerical computation of internal and external flows. 2nd edition*. Elsevier.
- Ho, C.W., W.M.W. Aida, M.Y. Maskat, and H. Osman. 2008. Effect of Thermal Processing of Palm Sap on the Physico-Chemical Composition of Traditional Palm Sugar. *Pakistan Journal of Biological Sciences* 11 (7) 989-995.
- Ho, C.W., W.M.W. Aida, M.Y. Maskat, and H. Osman. 2007. Changes in Volatile Compounds of palm sap (*Arenga pinnata*) during the heating process for production of palm sugar. *Food Chemistry* 102:1156–1162.
- Incropera, F.P. dan DeWitt, D.P., 1990, *Fundamentals of Heat Transfer, Ed. 3*, New York : John Willey & Sons.
- Issoesetiyo dan T, Sudarto. 2001. *Gula Kelapa Produk Hilir Sepanjang Massa*. Arkola. Surabaya.

- Kristianingrum, Susila. 2009. *Analisis Nutrisi Dalam Gula Semut*. Fakultas Matematika dan Ilmu Pengetahuan Alam. Universitas Negeri Yogyakarta.
- Kusumanto, D. 2008. *Produktivitas Nira dan Frekuensi Sadapan Pohon Aren*. <http://kebunaren.com/produktivitas-nira-dan-frekuensi-sadapanpohonaren>.
- Markakis, P. 1982. Anthocyanin as Food Additives. Dalam: P. Markakis, Anthocyanin as Food Colors. Academic Press, New York.
- Marsigit, W. 2005. *Penggunaan Bahan Tambahan Pada Nira dan Mutu gula Aren yang Dihasilkan di Beberapa Sentra Produksi di Bengkulu*. Jurnal Penelitian Lembaga Penelitian. Universitas Bengkulu Vol XI No.1 Maret 2005.
- Munson, Bruce. 2003. *Mekanika Fluida Edisi Keempat Jilid 1*. Penerbit: Erlangga
- Mustaufik dan Karseno. 2004. *Penerapan Dan Pengembangan Teknologi Produksi Gula kelapa kristal Berstandar Mutu SNI untuk Meningkatkan Pendapatan Pengrajin Gula Kelapa di Kabupaten Banyumas*. Laporan Pengabdian Masyarakat. Program Pengembangan Teknologi Tepat Guna. Jurusan Teknologi Pertanian Unsoed, Purwokerto.
- Naknean, P., M. Meenune, and G. Roudaut. 2009. Changes in Physical and Chemical Properties during The Production of Palm Sugar Syrup by Open Pan and Vacuum Evaporator. *Journal of Food and Agro-Industry* 2(04):448-456.
- Naknean, P., M. Meenune, and G. Roudaut. 2013. Changes in properties of palm sugar syrup produced by an open pan and a vacuum evaporator during storage. *International Food Research Journal* 20 (5):2323-2334.
- Ningtyas. 2012. *Analisis komparatif usaha pembuatan gula merah dan gula semut dikabupaten Kulon Progo*. Program Studi Agribisnis Fakultas Pertanian Universitas Sebelas Maret Surakarta.
- Nurchotimah, Siti. 2009. *Aplikasi Program Solver dalam Penyelesaian Masalah Optimasi berdasarkan Peramalan dengan Metode Tred Musiman pada Perusahaan Kerupuk Udang Sinar Jaya Brebes*. Skripsi. Semarang: Universitas Negeri Semarang.
- Özdemir M, Derves O. 1999. The thin-layer drying characteristics of hazelnuts during roasting. *Journal of Food Engineering* 42: 225–233.
- Pandey, Sunil Kr, Singh, G.P dan Kansal, Dr. Vineet (2011). Study of Object Oriented Analysis and Design Approach. *Journal of Computer Science* 7 (2): 143-147.
- Phaichamnan, M., W. Posri, and M. Meenune. 2010. Quality Profile of Palm Sugar Concentrate Produced in Songkhla Province, Thailand. *International Food Research Journal* 17:425-432.

- Priyambodo, A. 2002. *Uji Efektivitas Antimikroba Asap Cair Tempurung Kelapa Terhadap Isolat Khamir dari Nira Kelapa Rusak*. Skripsi. Fakultas Biologi, Universitas Jenderal Soedirman, Purwokerto. 41 hal. (Tidak dipublikasikan).
- Purnomo, H. 1992. Sugar components of coconut sugar in Indonesia. *ASEAN Food Journal* 7 (4):200-201.
- Risvank. 2011. *Pemurnian Nira di Pabrik Gula*. Yogyakarta: Universitas Gadjah Mada.
- Rosmindari, S. 2014. *Perpindahan Panas dan Massa pada Proses Kristalisasi Gula Semut Menggunakan Kristalisator Berpemanas Uap*. Skripsi. Fakultas Teknologi Pertanian, Universitas Gadjah Mada, Yogyakarta.
- Srikaeo, K., and R. Thongta. 2015. Effects of sugarcane, palm sugar, coconut sugar and sorbitol on starch digestibility and physicochemical properties of wheat based foods. *International Food Research Journal* 22(3):923-929.
- Saputro, A.D, D. Van de Walle, R.P. Aidoo, M.A. Mensah, C. Delbaere, N. De Clercq, J.V. Durme, and K. Dewettinck. 2017c. Quality attributes of dark chocolates formulated with palm sap-based sugar as nutritious and natural alternative sweetener. *European Food Research and Technology* 243(2): 177-191.
- Schiesser WE. 1994. *Computational mathematics in engineering and appliedscience: ODEs, DAEs and PDEs*. CRC Press. ISBN 0-8493-7373-5.
- Sulistiani dan Khusniatik, Tatik. Potensi Antibakteri Tiga Spesies Bakteri Asam Laktat Asli Enggano Terhadap Bakteri Patogen dan Pembusuk Makanan. *Jurnal Ilmu-ilmu Hayati Volume 40 Nomor 3 hal 292*.
- Tomomatsu, A., T. Itoh, C.H. Wijaya, Z. Nasution, J. Kumendong, and A. Matsuyama. 1996. Chemical constituent of sugar-containing sap and brown sugar from palm in Indonesia. *Japanese Journal of Tropical Agriculture* 40(4):175 - 181.
- Van Boekel, M.A.J.S. 2009. *Kinetic Modeling of Reation in Foods*. CRC Press. Boca Raton.
- Ways, Novel dan Hamilton. 2008. *Monitor pasture quality using brix measurement*. Toby Balsom & Graham Lynch.
- Winarno, F.G. 2004. *Kimia Pangan dan Gizi*. Jakarta: PT. Gramedia Pustaka Utama.
- Wirakartakusumah. 1989. *Prinsip Teknik Pangan*. PT Sastra Hudaya. Bogor.
- Zuliana, Crysse, Endrika Widyastuti, Wahono Hadi S. 2016. Pembuatan Gula Semut Kelapa (Kajian pH Gula Kelapa dan Konsentrasi Natrium Bikarbonat). *Jurnal Pangan dan Agroindustri Vol. 4, No 1, hal 109-119*.