

DAFTAR PUSTAKA

- Aini, I. N. dan Miskandar, M. S. 2007. "Utilization of Palm Oil and Palm Products in Shortenings and Margarines". *European Journal of Lipid Science and Technology*, Vol. 109, No. 4, hal. 422-432.
- Anggoro, M. T. 2008. *Metode Penelitian*. Jakarta: Universitas Terbuka.
- AOAC Official Method 920.157. 2000. Melting Point of Fats and Fatty Acids. Capillary Tube Method. Official Methods of Analysis of AOAC International. 17th edition. Gaithersburg, MD. Chapter 41.
- Arum, A. P. 2016. Sintesis Monoasilgliserol Dan Diasilgliserol Dari *Refined Bleached Deodorized Palm Stearin* Dengan Cara Gliserolisis Kimia Dalam *Stirrer Tank Reactor Sistem Batch*. Tesis: Universitas Gadjah Mada.
- Badan Standarisasi Nasional. 1998. *Standar Nasional Indonesia untuk Refined Bleached Deodorized Palm Stearin (RBD Palm Stearin)*. SNI 01-0021-1998. Jakarta: BSN.
- Badan POM RI (2011), Gliserin. Diakses pada 16 April 2018. <http://ik.pom.go.id>
- Bailey. 2001. *Industrial Oil and Fat Product, Volume 5*. Disunting oleh Fereidoon Shahidi. New Jersey: John Willey and Sons, Inc.
- Becker, P. 1983. *Encyclopedia of Emulsion Technology. Volume 1 : Basic Theory*. New York: Marcel Dekker Inc.
- Birker, B. dan Padley, F.B. 1987. *Physical Properties of Fats and Oils. Chemistry and Technology of Fats and Oils*. New York: Elsevier Applied Science.
- Christina D. 2000. Karakterisasi dan Aplikasi Emulsifier Campuran Mono dan Diasilgliserol dari Distilat Asam Lemak Minyak Sawit. Skripsi: Institut Pertanian Bogor.
- Chang , T. H., Arena, J., dan Abelson, J. 1990. "Identification of five putative yeast RNA helicase genes". *Proc Natl Acad Sci USA*, Vol.87, No.4, hal.1571- 1575.
- Choudhury, R. B. R. 1960. "The Preparation and Purification of Monoglycerides". *Journal of the American Oil Chemists' Society*, Vol. 37, No. 10, hal. 483-486.
- Clements, Mc. and Julian, D. 1999. *Food Emultions*. New York: CRC Press LCC.

- Darnoko, D. dan Cheryan, M. 2000. "Kinetics of Palm Oil Transesterification in a Batch Reactor". *Journal of the American Oil Chemist' Society*, Vol. 77, No. 12, hal. 1263-1267.
- Demam, M. J. 1989. *Kimia Makanan*. Disunting oleh: K. Padmawinata. Bandung: ITB-Press.
- Dziezak, J. D. 1988. "Microencapsulation and Encapsulation Ingredients". *Food Technology*, Vol. 2, No. 4, hal:136-151.
- Eckey, E. W. 1954. *Vegetable Fats and Oils*. New York: ACS Monograph Series.
- Fauzi, R. A., Haryadi, D., dan Priyanto, S. 2012. "Pengaruh Waktu Fermentasi dan Efektivitas Adsorben dalam Pembuatan Bioetanol *Fuel Grade* dari Limbah POD Kakao (*Theobroma cacao*)". *Jurnal Teknologi Kimia dan Industri*, Vol. 1, No. 1, hal. 179-185.
- Fennema, Owen R. 1996. *Food Chemistry Third Edition*. New York: Marcel Dekker Inc.
- Freedman, B., Pryde, E. H. dan Mounts, T. L. 1984. "Variables Affecting the Yields of Fatty Esters from Transesterified Vegetable Oils". *Journal of the American Oil Chemists Society*, Vol. 61, No. 10, hal. 1638- 1643.
- Gan, Y., Guan, J., Zhou, S. dan Zhang, W. 2012. "Structural Features Based Genome-Wide Characterization and Prediction of Nucleosome Organization". *BMC Bioinformatics*, Vol.13, No. 49.
- Grimaldi, R., Gonçalves, L. A. G. dan Ando, M. Y. 2005. "Optimization of Chemical Interesterification of Palm Oil". *Quimica Nova*, Vol. 28, No. 4, hal. 633–636.
- Gunstone, F. D., J. L. Harwood and F. B. Padley. 1994. *Lipid Handbook*. London: Chapman and Hall.
- Gunstone, F. D. dan Padley, F. B. 1997. *Lipid Technologies and Applications*. New York: Marcel Dekker Inc.
- Gunstone, F. D. 2002. *Vegetable Oils in Food Technology*. Canada: Blackwell Publishing CRC Press.
- Gunstone, F. D. 2004. *The Chemistry of Oils and Fats: Sources, Composition, Properties and Uses*. Canada: Blackwell Publishing CRC Press.

- Hans, M., Bas, H. dan Robert J. 2004. “*Mono- and Diglycerides*”. Dalam *Emulsifier in Food Technology*, disunting oleh Whitehurst. Oxford: Blackwell Publishing Ltd.
- Harismawati, A. dan Prasetyo, F. 2011. Produksi Mono- dan Digliserida dengan Proses Gliserolisis Pseudohomogen dari Minyak Goreng Bekas. Skripsi: Universitas Diponegoro.
- Hasanuddin, A. 2001. ”Kajian Tehnologi Pengolahan Minyak Kelapa Sawit Mentah untuk Produksi Emulsifier Mono Diasigliserol dan Konsentrat Karotenoid”. Makalah Falsafah Sains. Institut Pertanian Bogor.
- Hasenhuettl, G. L. 1997. “*Overview of Food Emulsifier*”. Dalam *Food Emulsifier and Their Applications*, disunting oleh G. L. Hasenhuettl dan R. W. Hartel. New York: Chapman and Hall.
- Hasenhuettl, G. L dan Richard, W. H. 2008. *Food Emulsifiers and Their Application*. New York: Chapman and Hall.
- Hasibuan, H. A. 2012. “Kajian Mutu dan Karakteristik Minyak Sawit Indonesia Serta Produk Fraksinasinya”. *Jurnal Standarisasi*, Vol. 14, No. 1, hal. 13-21.
- Hui, Y. H., 1996. *Bailey’s Industrial Oil and Fat Products*. Edisi 5, Volume 2. New York: John Willey & Sons, Inc.
- Igoe, R. S. dan Hui, Y. H. 1996. *Dictionary of Food Ingredient*. Edisi ketiga. New York: Chapman and Hall.
- Jackson, S. 2006. “Standard for Good Reason”. *Biodiesel Magazine*, February edition.
- Kaewthong, W., Sirisansaneeyakul, S., Prasertsan, P. dan H-Kittikun, A. 2005. “Continuous Production of Monoacylglycerols by Glycerolysis of Palm Olein with Immobilized Lipase”. *Process Biochemistry*, Vol. 40, No. 5, hal. 1525-1530.
- Karabulut, S. I., Turan and Ergin, G. 2004. “Effects of Chemical Interesterification on Solid Fat Content and Slip Melting Point of Fat/Oil Blends”. *European Food Research and Technology*, Vol. 218, No. 3, hal. 224-229.
- Kimmel, T. 2004. Kinetic Investigation of the Base-Catalyzed Glycerolysis of Fatty Acid Methyl Esters. Technischen Universitat Berlin.
- Kombe, G. G., Temu, A. K., Rajabu, H. M., Mrema G. D. dan Keat Teong Lee. 2013. “Low Temperature Glycerolysis as a High FFA Pre-Treatment

Method for Biodiesel Production”. *Advances in Chemical Engineering and Science*, Vol.3, No. 4, hal. 248-254.

Krischenbauer. 1960. *Fat and Oil. An Outline of Their Chemistry and Technology*. New York: Reinhold Publishing Co.

Krog, N. J. 1990. *Food Emulsifier and Their Chemical & Physical Properties*. Di Dalam Food Emulsion, disunting oleh K. Larson dan S. F. Fribeg. New York: Marcel Dekker.

Lai, O. M., Ghazali, H. M., Cho, F. dan Chong, C. L. 1999. “Flow Properties of Table Margarine from Lipase-catalysed Transesterified Palm Stearin : Palm Kernel Olein Feedstock”. *Food Chemistry*, Vol. 64, No. 2, hal. 221-226.

Lindsay. 1985. *Food Additives*. Dalam Food Chemistry. New York: Marcel Dekler Inc.

Lipp, M. dan Anklam, E. 1998. “Review of Cocoa Butter and Alternative Fats for Use in Chocolate Part B”. Analytical Approaches for Identification and Determination. *Food Chemistry*, Vol. 62, No. 1, hal. 99-108.

Long, K., Zubir, I., Hussin, A. B., Idris, N., Ghazali, H. M. dan Lai, O. M. 2003. “Effect of Enzymatic Transesterification with Flaxseed Oil on the High-Melting Glycerides of Palm Stearin and Palm Olein”. *Journal of the American Oil Chemists’ Society*, Vol. 80, No. 2, hal. 133-137.

Midland, AC. 2007. Novel Food Information on: Vegetable Diacylglycerol Oil.

Minifie, B. W. 1989. *Chocolate, Cocoa and Confectionery: Science and Technology*. New York: Chapman and Hall.

Naik, B. dan Kumar, V. 2014. “Cocoa Butter and Its Alternatives: A Review”. *Journal of Bioresource Engineering and Technology*, Vol. 2, No. 1, hal: 7-17.

Nakajima, Y., Fukasawa, J. dan A. Shimada. 2004. *Physicochemical Properties of Diacylglycerol*. Dalam *Diacylglycerol Oil*, disunting oleh Katsuragi, Y., T. Yasukawa, N. Matsuo, B. D. Flickinger, I. Tokimitsu dan M. G. Matlock. Illinois: AOCS Press.

Negi, D. S., Sobotka, F. dan Kimmel, T. 2007. “Glycerolysis of Fatty Acid Methyl Esters: 1. Investigations in a Batch Reactor”. *Journal of the American Oil Chemists’ Society*, Vol. 84, No. 1, hal. 83-90.

- Noriko, N., Elfidasari, D., Perdana, A. T., Wulandari, N. dan Wijayanti, Q. 2012. “Analisis Penggunaan dan Syarat Mutu Minyak Goreng pada Penjajah Makanan di *Food Court* UAI”. *Jurnal Al-Azhar Indonesia Seri Sains dan Teknologi*, Vol. 1, No. 3, hal. 147-154.
- Noureddini H. dan Medikonduru, V. 1997. “Glycerolysis of Fats and Methyl Esters”. *Journal of the American Oil Chemist’ Society*, Vol. 74, No. 4, hal. 419-425.
- Noureddini, H., Harkey, D.W. dan Gutsman, M.R. 2004. A Continuous Process for the Glycerolysis of Soybean Oil. Papers in Biomaterials, Chemical and Biomolecular Engineering Research and Publications: University of Nebraska.
- O’Brien, R.D. 1998. *Fats and Oils: Formulating and Processing for Applications*. New York: CRC Press.
- Oliveira, P. D., Rodrigues, A. M. C., Bezerra, C. V. dan Silva, L. H. M. 2017. “Chemical Interesterification of Blends with Palm Stearin and Patawa Oil”. *Food Chemistry*, Vol. 215, hal. 369-376.
- Pahan, I. 2008. *Panduan Lengkap Kelapa Sawit*. Jakarta: Penebar Swadaya.
- Pantzaris, T. P. V. 1988. *Pocket Book of Palm Oil Uses*. Kuala Lumpur: The Palm Oil Research Institute of Malaysia.
- Rozedaal, A. 1992. Interesterification of Oils and Fats. *Inform*, Champaign, Vol.3, No.11, hal.1232–1237.
- Shukla, V. K. S. 1995. “Cocoa Butter Properties and Quality”. *Lipid Technology* May, hal: 54–57.
- Sprules, F. J. dan Donald, P. 1950. *Production of Fatty Esters*. US Patent 2.
- Tarigan, J. B. 2002. Ester Asam Lemak. Karya Ilmiah: Universitas Sumatera Utara.
- Thane, P. 2008. “Breaking Away from Potassium Hydroxide”. *Catalyst Biofuels Magazine*, November edition.
- The Soap and Detergent Association. 1990. *Glycerine : an Overview*. New York: 475 Park Avenue South.
- Ulfa, A. 2015. Sintesis Monoester Gliserol Asam Palmita Menggunakan H₂SO₄ Etanolat Amberlyst-15 Dalam *Stirrer Tank Reactor*. Tesis: Universitas Gadjah Mada.

- Wang, Z. X., Zhuge, J., Fang, H. dan Prior, B. A. 2001. "Glycerol Production by Microbial Fermentation: A Review", *Biotechnology Advances*, Vol.19, No.1, hal. 201-202.
- Watanabe, Y., Shimada, Y., Sugihara, A., Noda, H., Fukuda, H. dan Yoshio Tominaga. 2000. "Continuous Production of Biodiesel Fuel from Vegetable Oil Using Immobilized *Candida Antarctica* Lipase". *Journal of the American Oil Chemists' Society*, Vol. 77, No. 4, hal. 355-360.
- Widiyarti, G. dan Hanafi, M. 2008. "Pengaruh Konsentrasi Katalis dan Perbandingan Molaritas Reaktan Pada Sintesis Senyawa α -Monolaurin". *Journal Chemical Engineering Reaktor*, Vol. 12, No. 2, hal. 90-97.
- Winarno, F. G. 2002. *Kimia Pangan dan Gizi*. Jakarta: PT. Gramedia Pustaka Utama.
- Yasukawa, T. And Y. Katsuragi. 2004. *Diacylglycerol Oil*. Champaign USA: A Publication of AOCS Press.
- Zaelani, A. 2007. Sintesis Mono dan Diasilgliserol dari Refined Bleached Deodorized Palm Oil (RBDPO) dengan Cara Gliserolisis Kimia, Skripsi: Institut Pertanian Bogor.
- Zhang, H., Xu, X., Nilsson, J., Mu, H., Adler-Nissen, J., dan Hoy, C. E. 2001. "Production of Margarine Fats by Enzymatic Interesterification with Silica-Granulated *Thermomyces Lanuginose* Lipase in a Large-scale Study". *Journal of the American Oil Chemists' Society*, Vol. 78, No. 1, hal. 57-64.
- Zielinski, R. J. 1997. *Synthesis and Composition of Food Grade Emulsifiers*. Dalam Food Emulsifiers and Their Applications, disunting oleh G. L. Hasenhuettl dan R. W. Hartel. New York: Chapman and Hall.
- Zulfikar. 2009. Pengaruh Kalsium Karbonat dan Gliserol terhadap Produk Gliserolisis *Refined Bleached Deodorized Palm Oil* (RBDPO). Skripsi: Universitas Sumatera Utara.