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DAFTAR PUSTAKA

Ahmadi, S.S., 2003, *Kimia Organik*, edisi Kesebelas, (Terjemahan dari Hart, H., Craine, L.E. dan Hart, D.J., *Organic chemistry*, Eleventh Ed.), Erlangga, Jakarta.

Allinger, N.L., Cava, M.P., De Jongh, D.C., Johnson, C.R., Lebel, N.A., dan Stevens, C.L., 1976, *Organic Chemistry*, Second Edition, Worth Publisher, New York.

Andersen, O., dan Aaseth, J., 2002, Molecular Mechanisms of in Vivo Metal Chelation: Implications for Clinical Treatment of Metal Intoxications, *Environ. Health perspec.*, vol 110, Supplement 5.

Bajpai, D., Tyagi, V.K., 2006, Review; Biodiesel: Source, Production, Composition, Properties and Its Benefits, *J. Oleo Sci.*, 55 (10): 487-502.

Cardona, C., Posada, J., dan Montoya, M., 2007, Use of Glycerol from Biodiesel Production: Conversion to Added Value Products, *Proceedings of European Congress of Chemical Engineering (ECCE-6)*, 16-20 September, Copenhagen.

Dargan, P.I., Giles, L.J., Wallace, C.I., House, I.M., Thomson, A.H., Beale, R.J., dan Jones, A.L., 2003, Case Report: Severe Mercuric Sulphate Poisioning Treated with 2,3-Dimercaptopropane-1-Sulphonate and Haemodiafiltration, *Crit. Care*, 7: R1-R6 (DOI 10.1186/cc1887).

Dasari, M.A., 2006, Catalytic Conversion of Glycerol and Sugar Alcohols to Value-Added Products, Dissertation, The Faculty of the Graduate School University of Missouri, Columbia.

Dozier, W.A., Kerr, B.J., dan Bregendhal, K., 2008, Glycerin as an Energy Source in Poultry Diets, *2008 MPF Convention*, March 18-20.

D'Souza, H.S., Menezes, G. dan Venkatesh, T., 2003, Role of Essential Trace Minerals on The Absorption of Heavy Metals with Special Reference to Lead, *Indian J. Clin. Biochem.*, 18 (2):154-160.

Encinar, J.M., Gonzalez, J.F., dan Rodriguez-Reinares, A., 2007, Ethanolysis of Used Frying Oil. Biodiesel preparation and Characterization, *Fuel Process. Technol.*, 88: 513-522.

Flora, S.J.S., Mittal, M., dan Mehta, A., 2008, Heavy Metal Induced Oxidative Stress & Its Possible Reversal by Chelation Therapy, *Indian J. Med. Res.*, 501-523.

Flora, S.J.S., Pant, B.P., Tripathi, N., Kannan, G.M., dan Jaiswal, D.K., 1997, Therapeutic Efficacy of a Few Diesters of Meso 2,3-dimercaptosuccinic acid during Sub-Chronic Arsenic Intoxication in Rats, *J. Occup. Health*, 39: 119-123.

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Fukuda, H., Kondo, A., dan Noda, H., 2001, Review: Biodiesel Fuel Production by Transesterification of Oils, *J. Biosci. Bioeng.*, 92(5): 405-416.

Gong, C.S., Du, J.X., Cao, N.J. dan Tsao, G.T., 2000, Coproduction of Ethanol and Glycerol, *Appl. Biochem. Biotechnol.*, 84-86.

Graham, J.D.P., dan Hood, J., 1948, Actions of British Anti-Lewisite (2,3-dimercaptopropanol), *Br. J. Pharmacol*., 3: 84.

Hanh, H.D., Dong, N.T., Okitsu, K. dan Nishimura, R., 2007, Regular Paper: Effects of Molar Ratio, Catalyst Concentration and Temperature on Transesterification of Triolein with Ethanol Under Ultrasonic Irradiation, *J. Jpn. Petrol. Inst.*, 50 (4): 195-199.

Inayati, A., 2007, Sintesis 4-Benziloksimetil-2,2-dimetil-[1,3]dioksolan dan 2,2-dimetil-[1,3]dioksolan-4-metil Benzena Sulfonat sebagai Senyawa antara Antidotum, Skripsi, FMIPA Universitas Gadjah Mada, Yogyakarta.

Irwan, S., Proses Pembentukan Kompleks Merkuri dengan DMSA, http://www.chem-is-try.org/materi_kimia/kimia_anorganik1/khelasi-merkuri/proses-pembentukan-kompleks-merkuri-dengan-dmsa/, diakses 7 Juni 2009.

Johnston, L., Schieeck, S., Shurson, J., Baidoo, S. dan Kerr, B., Use of Crude Glycerol in Diets for Sows, Swine Extension, Providing educational resources and applied research to assist Minnesota's pork producers and allied industry, http://www.extension.umn.edu/swine/components/pdfs/glycerol_sow_lactation_johnston.pdf, diakses 15 Mei 2009.

Kalia, K., dan Flora, S.J.S., 2005, Review: Strategies for Safe and Effective Therapeutic Measures for Chronic Arsenic and Lead Poisoning, *J. Occup. Health*, 47: 1-21.

Lele, S., 2005, *Oil Yields and Characteristics*, http://www.svlele.com, diakses 7 September 2008.

Meka, P.K., Tripathi, V. dan Singh, R.P., 2007, Note: Synthesis of Biodiesel Fuel from Safflower Oil Using Various Reaction Parameters, *J.Oleo Sci.*, 56 (1): 9-12.

Morrison, R.J., dan Boyd, R.N., 1983, *Organic Chemistry*, Fourth Ed., Allyn and Bacon, Inc., Singapore.

Ong, C.W., Chou, Y.M., dan Wang, J.N., 1996, Novel Rearrangements of 2,3-Dimercapto-1-Propanol Derivatives: Formation of Dialkyl Sulfide, Dialkyl Disulfide, and 1,2,3-Tris(alkylthio)propane, *J. Org. Chem*., 61: 8244-8247.

Palar, J., 1994, *Pencemaran dan Toksikologi Logam Berat*, Rineka Cipta, Jakarta.

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Patrick, G., 2000, Instant Notes: *Organic Chemistry*, Department of Chemistry and Chemical Engineering, Paisley, Scotland.

Pudjaatmaka, H.A., 1992, *Kimia Organik*, Edisi Ketiga, Jilid 1, (Terjemahan dari Fessenden, R.J., dan Fessenden, J.S., 1986, *Organic Chemistry*, Third Ed., California, USA), Erlangga, Jakarta.

Pyle, D.J., 2008, Use of Biodiesel-derived Crude Glycerol for the Production of Omega-3 Polyunsaturated Fatty Acids by the Microalga *Schizochytrium limacinum*, Master of Science in Biological Systems Engineering, The Faculty of Virginia Polytechnic Institute.

Rahayu, Tekhnologi Proses Produksi Biodiesel, http://www.geocities.com/markal_bppt/publish/biofbbm/biraha.pdf, diakses 13 April 2009.

Sastrohamidjojo, H., 1992, *Spektroskopi Inframerah*, Liberty, Yogyakarta.

Schuchardt, U., Sercheli, R., dan Vargas, R.M., 1998, Transesterification of Vegetable Oils: a Review, *J. Braz. Chem. Soc*., 9 (1): 199-210.

Sibarani, J., Khairi, S., Yoeswono, Wijaya, K., dan Tahir, I., 2007, Effect of Palm Empty Bunch Ash on Transesterification of Palm Oil into Biodiesel, *Indo. J. Chem*, 7 (3): 314-319.

Silverstein, R.M., Bassler, G.C., dan Morrill, T.C., 1991, *Spectrometric Identification of Organic Compounds*, Edisi 5, John Wiley and Sons, Inc., New York.

Simpson, S.D., dan young, L., 1949, Biochemical Studies of Toxic Agents, 1. Experiments with Radioactive 2,3-Dimercaptopropanol (British Anti-Lewisite), Department of Biochemistry, University of Toronto.

Siqueira, B.G., Junior, M.G., Menezes, R.B., dan Rabello, C.R.K., 2008, Renewable Cetane Improver from Glycerin of Biodiesel, 2nd International IUPAC Conference on Green Chemistry, Russia, 14-19 September, PETROBRAS, crkr@petrobras.com.br.

Smith, J.G., 2006, *Organic Chemistry*, McGraw-Hill International Edition, Americas, New York.

Stewart, C.E.,2006, *Weapons of Mass Casualties and Terrorism Response Handbook*, American Academy of Orthopaedic Surgeons, Published by Jones & Bartlett Publisher.

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Sudarmaji, Mukono, J., dan Corie, I.P., 2006, Toksikologi Logam Berat Bahan Berbahaya dan Beracun (B3) dan Dampaknya terhadap Kesehatan, *Jurnal Kesehatan Lingkungan*, Vol 2, No 2.

Supratman, U., 2006, *Elusidasi Struktur Senyawa Organik*, Jurusan Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Padjadjaran, Bandung.

Supriyanto, Samin, Kamal, Z., 2007, Analisis Cemaran Logam Berat Pb, Cu dan Cd pada Ikan Air Tawar dengan Metode Spektrometri Nyala Serapan Atom (SSA), *Seminar Nasional III SDM Tekhnologi Nuklir*, 21-22 November, ISSN 1978-0176, Yogyakarta.

Tapanes, N.C.O., Aranda, D.A.G., Carneiro, J.W.M. dan Antunes, O.A.C., 2008, Transesterification of Jatropha curcas Oil Glycerides: Theoritical and Experimental Studies of Biodiesel Reaction, *Fuel* 87:2286-2295.

Tirupathi, Heavy Metals Toxicity, http://www.vic.edu/classes/pcol/pcol331/dentalpharmhandouts2006/lecture41.pdf, diakses 7 September 2008.

Vilensky, J.A., dan Redman, K., 2003, Toxicology/Review Article: British Anti-Lewisite (Dimercaprol): An Amazing History, *Ann. Emerg. Med.,* 41: 378-383.

Wade, L.G., 1999, *Organic Chemistry*, Fourth Ed., Prentice Hall International, Inc.

Windholz, M., 1983, The Merck Index, Edisi Kesepuluh, Merck & Co., Inc., New York, 3198.

Yoeswono, 2007, Kinetika Transesterifikasi Minyak Sawit dalam Metanol dengan Katalis Kalium Hidroksida dalam Sintesis Biodiesel, Tesis, FMIPA Universitas Gadjah Mada, Yogyakarta.