

## DAFTAR PUSTAKA

- Badan Standarisasi Nasional Indonesia. 2002. *Minyak Goreng*. Standar Nasional Indonesia 01-3741-2002.
- Baidawi, A., Latif, I., dan Rachmaniah, O. 2009. *Produksi Biodiesel Berkemurnian Tinggi Dari Crude Palm Oil (CPO) Dengan Tertrahidrofuranfast Single-Phase Process*. Institut Teknologi Sepuluh Nopember. Surabaya.
- Bassi I.W., Polato F., Calcaterra M., Bart J. 1982. A new layer structure of Mg Cl<sub>2</sub> with hexagonal close packing of the chlorine atoms. *Zeitschrift fuer Kristallographie*: (149,1979-) 159, 297-302.
- Bettman M., Turner L.L. 1971. On the structure of (Na<sub>2</sub> O) (Mg O)<sub>4</sub> (Al<sub>2</sub> O<sub>3</sub>)<sub>15</sub>, a Variant of beta-Alumina. *Inorganic Chemistry*: 10, 1442-1446.
- Demirbas, A. 2009. Biodiesel from waste cooking oil via base-catalytic and supercritical methanol transesterification. *Energy Convers*: 50, 923-7.
- Dera P., Lazarz J. D., Prakapenka V.B., Barkley M., Downs R.T. 2011. New insights into the high-pressure polymorphism of SiO<sub>2</sub> cristobalite Note: P = 7.4 GPa. *Physics and Chemistry of Minerals* 38.
- Erwin, Patibong, O., Pasaribu S. 2014. Pemanfaatan Abu Batang Pisang (Musa Paradisiaca) Dengan Variasi Berat Abu Sebagai Katalis Dalam Pembuatan Biodiesel Dari Minyak Jelantah. *Skripsi*. Universitas Mulawarman.
- Finger L. W., King H. E. 1978. A revised method of operation of the single-crystal diamond cell and refinement of the structure of NaCl at 32 kbar. *American Mineralogist*: 63, 337-342.
- Foster M.D., Bell R.G., Friedrichs O.D., Klinowski J., Paz F. 2004. Chemical evaluation of hypothetical uninodal zeolites. *Journal of the American Chemical Society*: 126, 9769-9775.
- Gerpen, V. J. 2005. Biodiesel Processing and Production. *Fuel Process Technology*: 86:1097-1107.
- Gich M., Frontera C., Ritter C., Roig A., Nogues J., Taboada E., Molins E., Macedo W.A.A., Ardisson J.D., Hardy V., Rechenberg H.R., Sort J., Skumryev V. 2007. High- and low-temperature crystal and magnetic structure of epsilon-

Fe<sub>2</sub>O<sub>3</sub> and their correlation to its magnetic properties. *Chemistry of Materials*: (1,1989-) 18, 3889-3897.

Hartono, P. 2013. Konversi Metil Ester Dari Minyak Jelantah dengan Green Catalyst Kitosan Menggunakan Metode Elektrolisis. *Skripsi*. Universitas Islam Indonesia Yogyakarta.

Haryono, Christi L., Rukiah Y., Yulianti. 2018. Kalsium Oksida Mikropartikel Dari Cangkang Telur Sebagai Katalis Pada Sintesis Biodiesel Dari Minyak Goreng Bekas. *Jurnal Material dan Energi Indonesia*: Vol. 08, No. 01 (2018) 8 – 15.

International Energy Agency, 2008, L Key World Energy Statistic.

Istadi. 2011. *Teknologi Katalis Untuk Konversi Energi*. Penerbit Graha Ilmu. Yogyakarta.

Julianto, T.S. dan Suratmi. 2014. Pengaruh Konsentrasi dan Volume Metanol dalam Kandungan Asam Lemak Bebas pada Minyak Jelantah sebagai Bahan Baku Biodiesel. *Skripsi*. Universitas Islam Indonesia. Yogyakarta.

Julianto, T.S. dan Rizqy Nurlestari. 2018. The Effect Of Comparison Of Mole Acetone As Co-Solvent To Methanol In Transesterification Reaction Of Waste Cooking Oil. Yogyakarta. *IOP Conf. Series : Material Science and Engineering* 349.

Kementrian Pertanian Republik Indonesia, 2017, *Data lima tahun terakhir*, [www.pertanian.go.id](http://www.pertanian.go.id)

Ketaren, S. 2005. *Minyak dan Lemak Pangan*. UI Press. Jakarta.

Kouzu, M., Kasuno, T., Tajika, M., Sugimoto, Y., Yamanaka, S., dan Hidata, J., 2008. Calcium oxide as a solid base catalyst for transesterification of soybean oil and its application to biodiesel production. *JST-KFPT Core Research Center*: Vol.87. hal. 2789-2806.

Ma, F. dan Hanna, M.A. 1999. Biodiesel Production: a Review. *Bioresourc Technology*: 70(1), 1-15.

Mahajan, S., Konar, S.K dan Boocock, D.G.B. 2006. Standard Biodiesel from Soybean Oil by a Single Chemical Reaction, *J., Am., Oil Chem, Soc.* 83:641–645.

Maulana, Farid. 2011. Penggunaan Katalis NaOH dalam Proses Transesterifikasi Minyak Kemiri menjadi Biodiesel. Banda Aceh. *Jurnal Rekayasa dan Lingkungan* : Vol. 08, No. 2, hal 73-78.

- Mittlebach, M., Remschmidt, Claudia. 2004. *Biodiesel The Comprehensive Handbook*. Boersdruck Ges.m.bH.. Vienna.
- Mohapatra, D., Mishra, s., dan Sutar, N. 2010. Banana and its by-product utilization: An overview. *Journal of Scientific and Industrial Research*: Vol.69, hal. 323-329.
- Nasikin M., dan Susanto B.H. 2010. *Katalis Heterogen*. Universitas Indonesia. Jakarta.
- Norrestam, R. 1976. Alpha-manganese(III) oxide - a C-type sesquioxide of orthorhombicsymmetry. *Acta Chemica Scandinavica*: (1-27,197342,1988) 21, 2871-2884.
- Nugraha, M.I., Gunawan, A., Primata M. 2012. Pengaruh suhu terhadap koefisien transfer massa pada ekstraksi kalium dari abu pelepah batang pisang. *Laporan Penelitian*. Universitas Lambung Mangkurat. Banjarbaru.
- Olabanji I.O., Oluyemi E.A., and Ajayi O.A. 2012. Metal analyses of ash derived alkalis from banana and plantain peels (*Musa spp.*) in soap making. *African Journal of Biotechnology*: Vol. 11(99), pp. 16512-16518.
- Oliveira, L., Cordeiro, N., Evtuguin, D. V., Torres, I. C. and Silvestre, A. J. 2007. Chemical composition of different morphological parts from 'Dwarf Cavendish' banana plant and their potential as a non-wood renewable source of natural products. *Ind Crops Prod*: 26 (2007) 163-172.
- Primata M., Aldipo, P., dan Mirza, C. 2013. Pengaruh Abu Pelepah Pisang Sebagai Katalisator Basa Padat Terhadap Angka Asam Produk Biodiesel. *Konversi*: Vol 2 No. 1 April 2013.
- Rosa A. L., El-Barbary A A, Heggie M. I., Briddon P. R. 2005. Structural and thermodynamic properties of water related defects in alpha-quartz Note: Hypothetical structure derived using density-functional theory. *Physics and Chemistry of Minerals*. Vol 32, 323-331.

- Ruhyat, N. dan Firdaus, A. 2006. *Pemilihan Bahan Baku Biodiesel di DKI Jakarta*. Universitas Mercu Buana. Jakarta.
- Santoso, H., Kristinto, I., dan Setyadi, A. 2013. Pembuatan Biodiesel Menggunakan Katalis Basa Heterogen Berbahan Dasar Kulit Telur. *Laporan Penelitian*. Universitas Katolik Parahyangan. Bandung.
- Sumartono, N. W., Joko W., Sonia, L., Anisa, R. P., Endang, D. S 2017. Sintesis Dan Karakterisasi Metil Ester Minyak Biji Carica Dieng (*Carica Candamarcensis*) Sebagai Bahan Bakar Biodiesel. Prosiding Seminar Nasional Kimia UNY 2017.
- Vasudevan, P.T., dan Briggs, M. 2008. Biodiesel production-current state of the art and challenges. *J ind Microbio Biotechnol*. Vol. 35, hal. 421-430.
- Zhang, Y., Dubé, M.A., McLean, D.D., dan Kates, M. 2003. Biodiesel Production from Waste Cooking Oil: 1. Process Design and Technological Assessment. *Bioresource Technology*. 89, 1-16.

