

DAFTAR PUSTAKA

- Agirre, I., Guemez, M.B., Ugarte, A., Requires, J., Barrio, V.L., Cambra, J.F., and Arias, P.I., 2013, Glycerol Acetals as Diesel Additives: Kinetic Study of The Reaction Between Glycerol and Acetaldehyde, *Fuel Process. Technol.*, 116, 182-188.
- Alfarra, A., Frackowiak, E., and Beguin, F., 2004, The HSAB Concept as a Means to Interpret the Adsorption of Metal Ions onto Activated Carbons, *App. Surf. Sci.* 228(1-4), 84-92.
- Ali, M.E., Rahman, M.M., Sakar, S.M., and Hamid, S.B.A., 2014, Heterogeneous Metal Catalysts for Oxidation Reactions, *J. Nanometer.*, 1-23.
- Atkins, P., and Paula, J.D., 2010, *Physical Chemistry*, 9th Ed., W.H. Freeman and Company, New York.
- Bari, S., Yum C.W., and Lim, T.H., 2002, Performance Deterioration and Durability Issues While Running a Diesel Engine with Crude Palm Oil, *Proc. Instn. Mech. Engrs Part-D. J. Automob. Eng.*, 216, 785-792.
- Barroso-Bogeat, A., Alexandre-Franco, M., Fernandez-Gonzalez, C., and Gomez-Serrano, V., 2016, Activated Carbon Surface Chemistry: Changes Upon Impregnation with Al(III), Fe(III), and Zn(II)-Metal Oxide Catalyst Precursors from NO₃-Aqueous Solutions, *Arab. J. Chem.*, 1-14.
- Bledzki, A.K., Mamun, A.A., and Volk, J., 2010, Barley Husk and Coconut Shell Reinforced Polypropylene Composites: The Effect of Fibre Physical, Chemical and Surface Properties, *Compos. Sci. Technol.*, 70, 840-846.
- Buasri, A., Chaikut, N., Lornyuenyong, V., Rodklum, C., Chaikwan, T., Kumphan, N., Jadee, K., Klinklom, P., and Wittayarounayut, 2012, Transesterification of Waste Drying Oil for Synthesizing Biodiesel by KOH Supported on Coconut Shell Activated Carbon in Packed Bed Reactor, *Sci. Asia*, 38, 283-288.
- Bueno, A.C., Goncalves, J.A., and Gusevskaya, E.V., 2007, Palladium-Catalyzed Oxidation of Primary Alcohols: Highly Selective Direct Synthesis of Acetals, *Appl. Catal. A General*, 329, 1-6.
- Daud, W., and Ali, E., 2004, Comparison on Pore Development of Activated Carbon Produced from Palm Shell and Coconut Shell, *J. Bioresour. Technol.*, 93, 63-69.
- Falah, I.I., and Triyono, T., 2010, Conversion of n-pentanol and n-butanol over Cu/AC Catalyst, *J. Chem. Eng.*, 4(6), 22-28.

- He, X., and Liu, H., 2014, Efficient Synthesis of 1,1-diethoxyethane via Sequential Ethanol Reactions on Silica-Supported Copper and H-Y Zeolit Catalysts, *Catal. Today*, 233, 133-139.
- Jaichandar, S., and Annamalai, K., 2011, The Status of Biodiesel as an Alternative Fuel for Diesel Engine, *J. Sustain. Energ. Environ.*, 2, 71-75.
- Kanaveli, I., Atzemi, M., and Lois, E., 2017, Predicting the Viscosity of Diesel/Biodiesel Blends, *Fuel*, 248-263.
- Kartika, F.I., 2016, Konversi n-Butanol menjadi 1,1-dibutoksibutana dengan Katalis Fe/Karbon Aktif, *Skripsi*, Departemen Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta.
- Kauhfold, M., and El-Chahawi, M., 1996, Process for Preparing Acetaldehyde Diethyl Acetal, *United States Patent US5527969*.
- Kealey, D., and Haines, P.J., 2002, *Analytical Chemistry*, BIOS Scientific Publishers, Oxford.
- Kharisma, M.F.U., 2017, Studi Kinetika Konversi Isobutanol menjadi 1,1-Diisobutoksiisobutana Menggunakan Katalis Cd/Karbon Aktif, *Skripsi*, Departemen Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta.
- Marsh, H., and Rodriguez-Reinoso, F., 2006, *Activated Carbon*, Elsevier Science and Technology Books, New York.
- Mayasri, A., 2016, Konversi Isobutanol menjadi 1,1-Diisobutoksiisobutana Menggunakan Katalis Ni/Karbon Aktif, *Tesis*, Departemen Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Gadjah Mada, Yogyakarta.
- McDougall, G.J., 1991, The Physical Nature and Manufacture of Activated Carbon, *J.S. Afr. Inst. Min. Metal*, 91(4), 109-102.
- Nord, K.E., and Haupt, D., 2005, Reducing the Emission of Particles from a Diesel Engine by Adding an Oxygenate to the Fuel, *Environ. Sci. Technol.*, 39, 6260-6265.
- Novita, S., 2013, Konversi 1-Butanol menjadi Senyawa Eter Menggunakan Katalis Cu/Karbon Aktif, *Skripsi*, Jurusan Kimia Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Gadjah Mada, Yogyakarta.
- Nurdiansah H., dan Susanti D., 2013, Pengaruh Variasi Temperatur Karbonisasi dan Temperatur Aktivasi Fisika dari Elektroda Karbon Aktif Tempurung Kelapa dan Tempurung Kluwak Terhadap Nilai Kapasitansi Electric Double Layer Capacitor (EDLC). *J. Teknik pomits*. 2, 2301-9271.

- Rodriguez-Reinoso, F., 1998, The Role of Carbon Materials in Heterogeneous Catalyst, *Carbon N.Y.*, 36(3), 159-175.
- Sembiring M.T., dan Sinaga, T.S., 2003, Arang Aktif (Pengenalan dan Proses Pembuatannya), *Skripsi*, Jurusan Teknik Industri Fakultas Teknik Universitas Sumatera Utara, Medan.
- Serp, P., and Figueiredo, J.L., 2009, *Carbon Materials for Catalysis*, John Wiley and Sons, New Jersey.
- Susilo, B., 2006, *Biodiesel Sumber Energi Alternatif Pengganti Solar yang Terbuat dari Ekstraksi Minyak Jarak Pagar*, Trubus Agrisarana, Surabaya.
- Szymanski, G.S., Rychlicki, G., and Terzyk, A.P., 1994, Catalytic Conversion of Ethanol on Carbon Catalysts, *Carbon*, 32(2), 265-271.
- Taer, E., Oktaviani, T., Taslim, R., dan Farma, R., 2015, Karakterisasi Sifat Fisika Karbon Aktif Tempurung Kelapa dengan Variasi Konsentrasi Aktivator sebagai Kontrol Kelembaban, *Prosiding Seminar Nasional Fisika (E-Journal)*, IV, 97-100.
- Trisunaryanti, W., Triyono, and Fibrina, A.D., 2005, Preparation of Ni-Mo/Mordenite Catalysts under The Variation of Mo/Ni Ratio and Their Characterication for Stearic Acid Conversion, *Indones. J. Chem*, 3, 2, 80-90.
- Vagabov, M.Z., Vagabov, R., Mangueva, Z., Latypova, F., and Rakhmankulov, E., 2015, Use of 1,1-diethoxyethane for Increasing Knocking Resistance of Automotive Gasoline, *United States Patent 9005316*.
- Widiyarti, G., dan Wuryaningsih, S.R., 2010, Pengaruh Metode Preparasi dan Kandungan Logam Aktif terhadap Aktivitas Katalis Ni/Kieselguhr, *JSMI*, 11, 2, 1-5.
- Yasin, M.H.M., Mamat, R., Yusop, A.F., Rahim, R., Aziz, A., and Shah, L.A., 2013, Fuel Physical Characteristic of Biodiesel Blend Fuels with Alcohol as Additives, *Proc. Eng.*, 53, 701-706.
- Zhang, X., Li, Y., and Hu, C., 2015, Preparation of Fe/Activated Carbon Directly from Rice Husk Pyrolytic Carbon and Its Application in Catalytic Hydroxylation of Phenol, *RSC Adv.*, 5, 4984-4992.