

DAFTAR PUSTAKA

- [1] Rusdiansyah, D., 2013, **Peluang Investasi Mengenai Prospek Investasi Pengembangan Batubara Cair di Kalimantan Timur**, Badan Perijinan dan Penanaman Modal Daerah (BPPMD) Provinsi KalimantanTimur, Samarinda.
- [2] Kadiman, K., 2006, **Buku Putih Penelitian Pengembangan dan Penerapan Ilmu Pengetahuan dan Teknologi Energi Baru dan Terbarukan Untuk Mendukung Keamanan Ketersediaan Energi Tahun 2005-2025**, Kementerian Negara Riset dan Teknologi Republik Indonesia, Jakarta.
- [3] Panitia Teknis Sumber Energi (PTE), 2007, **Blueprint Energi Nasional 2005-2025**, Kementerian Energi dan Sumber Daya Mineral, Jakarta.
- [4] James, O.O., Mesubi, A.M., Ako, T.C., and Maity, S., 2010, **Increasing Carbon Utilization in Fischer-Tropsch Synthesis Using H₂-deficient or CO₂-rich Syngas Feeds**, *Fuel Processing Technology*, 91, 136-144.
- [5] Zhang, Q., Kang, J., and Wang, Y., 2010, **Development of Novel Catalysts for Fischer-Tropsch Synthesis: Tuning The Product Selectivity**, *ChemCatChem*, 2, 1030-1058.
- [6] Van der Laan, G.P., and Beenackers, A. A. C. M., 2013, **Kinetics and Selectivity of the Fischer-Tropsch Synthesis: A Literature Review**, *Science and Engineering*, 41, 255-318.
- [7] Botes, F.G., Niemantsverdriet, J.W., and van de Loosdrecht, J., 2013, **A Comparison of Cobalt And Iron Based Slurry Phase Fischer-Tropsch Synthesis**, *Catalysis Today*, 1-9.

- [8] Davis, B.H., 2007, **Fischer-Tropsch Synthesis: Comparison of Performances of Iron and Cobalt Catalysts**, *Ind. Eng. Chem. Res*, 46, 8938-8945.
- [9] Liu, K., Suo, H., Zhang, C., Xu, J., Yang, Y., Xiang, H., and Li, Y., 2010, **An Active Fischer-Tropsch Synthesis FeMo/SiO₂ Catalyst Prepared by A Modified Sol-Gel Technique**, *Catalysis Communications*, 12, 137-141.
- [10] Li, J., Cheng, X., Zhang, C., Chang, Q., Wang, J., Wang, X., Lu, Z., Dong, W., Yang, Y., and Li, Y., 2016, **Effect of Alkalies on Iron-based Fischer-Tropsch Synthesis Catalysts: Alkali-FeO_x Interaction, Reduction, and Catalytic Performance**, *Applied Catalysis A: General*, 131-141.
- [11] Miller, J.B., Hsieh, H., Howard, B.H., and Broiman, E., 2010, **Microstructural Evolution of Sol-Gel Derived ZnO Thin Solid Films**.
- [12] Kusuma, D.S., 2011, **Pengaruh pH Pada Sintesa Katalis Cu-ZnO Dengan Proses Sol-Gel Untuk Hidrogenolisis Gliserol Menjadi Propilen Glikol**, *Tesis, Pascasarjana FMIPA, Universitas Indonesia, Salemba*.
- [13] Suo, H., Wang, S., Zhang, C., Xu, J., Wu, B., Yang, Y., Xiang, H., and Yong-Wang Li., 2012, **Chemical and Structural Effects of Silica in Iron-based Fischer-Tropsch Synthesis Catalysts**, *Journal of Catalysis*, 286, 111-123.
- [14] Affandi, S., Setyawan, H., Winardi, S., Purwanto, A., and Balgis, R., 2009, **A Facile Method for Production of High – Purity Silica Xerogels from Bagasse Ash**, *Advanced Powder Technology*, 20, 468-472.
- [15] Nuryono dan Narsito, 2005, **Pengaruh Konsentrasi Asam Terhadap Karakter Silika Gel Hasil Sintesis dari Natrium Silikat**, *Indo. J. Chem*, 5, 23-30.

- [16] Kunarti, E. S., Wahyuni, E. T., dan Hermawan, F. E., 2009, **Pengujian Aktivitas Komposit Fe₂O₃-SiO₂ Sebagai Fotokatalis Pada Fotodegradasi 4-Klorofenol**, *J. Manusia dan Lingkungan*, 16, 54-64.
- [17] Hurler, J., Engesland, A., Kermany, B. P., and Skalko-Basnet, N., 2011, **Improved Texture Analysis for Hydrogel Characterization: Gel Cohesiveness, Adhesiveness, and Hardness**, *Journal of Applied Polymer Science*, 125, 180-188.
- [18] Kroschwitz, I and Howe, G.M., 1996, **Kirk-Othmer Encyclopedia of Chemical Technology**, Fourth Edition, John Wiley & Sons Ltd., New York.
- [19] Sehabiague, L., 2012, **Modelling, Scale Up and Optimization of Slurry Bubble Column Reactors for Fischer-Tropsch Synthesis**, *Disertasi*, Swanson School of Engineering, University of Pittsburgh.
- [20] Wang, T., Wang, J., and Jin, Y., 2007, **Slurry Reactors for Gas-to-Liquid Processes: A Review**, *Ind. Eng. Chem.*, 46, 5824-5847.
- [21] Dry, M. E., 1996, **Practical and Theoretical Aspects of The Catalytic Fischer-Tropsch Process**, *Applied Catalysis: A General*, 138, 319-344.
- [22] Dry, M. E., 1990, **The Fischer-Tropsch Process – Commercial Aspects**, Elsevier Science Publishers, Republic of South Africa.
- [23] Rahardjo, B. S., 2012, **The Assessment of Syngas utilization by Fischer-Tropsch Synthesis in The Slurry-Bed Reactor Using Co/SiO₂ Catalyst**, *International Journal of Engineering and Applied Science*, 4.

- [24] Cano, L. A., Blanco, A. A. G., Lener, G., Marchetti, S. G., and Sapag, K., 2017, **Effect of The Support and Promoters in Fischer-Tropsch Synthesis Using Supported Fe Catalysts**, *Catalysis Today*, 282, 204-213.
- [25] Sriyanti, Taslimah, Nuryono, dan Narsito, 2005, **Sintesis Bahan Hibrida Amino-Silika dari Abu Sekam Padi Melalui Proses Sol-Gel**, *Jurnal Kimia Sains dan Aplikasi*, 8, 21-31.
- [26] Khadijah, M., 2016, **Isoterm Adsorpsi Kation Mg (II) Oleh Silika Gel dari Bagasse Tebu**, *Skripsi*, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Yogyakarta, Yogyakarta.
- [27] Rosmawati, A., Tjahjanto, R. T., dan Pranoto, Y. P., 2013, **Variasi Metode Preparasi Gel Pada Sintesis Aerogel Silika dari Lumpur Lapindo**, *Kimia Sudent Journal*, 1, 161-167.
- [28] Brinker, C. F. and Scherer, G. W., 1990, **Sol-Gel Science: The Physics and Chemistry of Sol-Gel Processing**, Academic Press, INC., London.
- [29] Widodo, S., 2010, **Teknologi Sol Gel Pada Pembuatan Nano Kristalin Metal Oksida Untuk Aplikasi Sensor Gas**, *Seminar Rekayasa Kimia dan Proses*, Bandung.
- [30] Budiharti, G. dan Supardi, Z. A. I., 2015, **Sintesis Nanopartikel Silika Menggunakan Metode Sol Gel**, *Jurnal Inovasi Fisika Indonesia*, 4, 22-25.
- [31] Rofi'ah, M., 2016, **Adsorpsi Zat Warna Indigo Carmine Menggunakan Silika Gel Berbasis Fly Ash Batu Bara Terimpregnasi Aluminium**, *Skripsi*, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Jember, Jember.

- [32] Sumanti, I., 2011, **Sintesis Fischer-Tropsch Dengan Menggunakan Katalis Fe-Mn Industri**, Skripsi, Fakultas Teknik, Universitas Indonesia, Depok.
- [33] Nasikin, M. dan Heru, B., 2010, **Katalisis Heterogen**, UI-Press, Depok.
- [34] Deman, J. M., 1997, **Kimia Makanan**, Institut Teknologi Bandung, Bandung.
- [35] Utomo, M. P., dan Laksono, E. W., 2007, **Tinjauan Umum Tentang Deaktivasi Katalis pada Reaksi Katalisis Heterogen**, Prosiding Seminar Nasional Penelitian, Pendidikan dan Penerapan MIPA, Yogyakarta.
- [36] Cheng, K., Ordomsky, V. V., Virginie, M., Legras, B., Chernavskii, P. A., Kazak, V. O., Cordier, C., Paul, S., Ye Wang, and Khodakov, A. Y., 2014, **Support Effects in High Temperature Fischer – Tropsch Synthesis on Iron Catalysts**, *Applied Catalysis A: General*, 488, 66-77.
- [37] Pendyala, V. R. R., Jacobs, G., Gnanamani, M. K., Hu, Y., MacLennan, A., and Davis, B. H., 2015, **Selectivity Control of Cu Promoted Iron – Based Fischer – Tropsch Catalysts by Tuning The Oxidation State of Cu to Mimic K**, *Applied Catalysis A: General*, 495, 45-53.
- [38] Taufiq, M. A., Khunur, M. M., dan Prananto, Y. P., 2013, **Upaya Penumbuhan Kristal Tunggal Kromium (III) Asetilaseton Dengan Metode Gel Metasilikat**, *Kimia Student Journal*, 1, 147-153.