



DAFTAR PUSTAKA

- Agulhon, P., 2014, Controlled synthesis from alginate gels of cobalt–manganese mixed oxide nanocrystals with peculiar magnetic properties, *Catal. Today*, *I* (189), 49-54.
- Alther, G., 2000, Organoclays Remove Humic Substances From Water, *Spec. Publ. R. Soc. Chem.*, 277-288.
- Anonim, 2016, Energy and Environmental Research Center, What is CO₂ I plains CO₂ Reduction Partnership, <http://www.undeerc.org/pcor/sequestration/whatisco2.aspx>, diakses tanggal 22 Oktober 2016.
- Anjana R., and George, K. E., 2012, Reinforcing Effect of Nano Kaolin Clay on PP/HDPE Blends, *Int. J. Eng. Res. Appl.*, *2* (4), 868-872.
- Ardiaswari, R. L., 2016, Sintesis *Beads* Ca-Aginat-Kaolin sebagai Adsorben CO₂, *Skripsi*, Departemen Kimia FMIPA UGM, Yogyakarta.
- Astuti, D.,N., 2016, Nanofiber Alginat/Poli (Vinil Alkohol) (PVA) untuk Adsorpsi CO₂, *Skripsi*, Departemen Kimia FMIPA UGM, Yogyakarta.
- Benhouria, Y., Essaoudi, I., Ainane, A., and Ahuja, R., 2015, Hysteresis Behavior and Pyroelectric Properties of Multi-Surface Ferroelectric Thin Films, *Chinese J. Phys.*, *53* (4), 187-200.
- Brindley, G. W., and Nakahira, M., 2000, The Kaolinite-Mullite Reaction Series : II Metakaolin, *J. Amer. Ceram. Soc.*, *4*, 314-318.
- Chen, Y.-H., and De-LongLu., 2014, CO₂ Capture by Kaolinite and its Adsorption Mechanism, *Appl. Clay Sci.*, *8*, 221-228.
- Dlugokencky, E. and Tans, P., 2016, National Oceanic and Atmospheric Administration (NOAA)/ Earth System Research Laboratory (ESRL) Trends in Atmospheric Carbon Dioxide <http://www.esrl.noaa.gov/gmd/ccgg/trends/global.html>, diakses tanggal 20 November 2016.
- Donati, I., and Paoletti, S., 2009, *Material Properties of Alginates. Dalam: B.Rehm (penyunting), Alginates: Biology and Applications*, Springer-Verlag Berlin Heidelberg, Italia.
- Foo, K. Y., and Hameed, B., 2010, Insights Into The Modeling of Adsorption Isotherm Systems, *Chem. Eng. J.*, *156*, 2-10.



- Ho, Y. S., 2006, Review of Second Order Models for Adsorption Systems, *J. Hazard. Mat.*, 681-689.
- Kazarian, S.G., Michael, F., Vincent, Frank, V., Bright, and Charles, L., 1996, Specific Intermolecular Interaction of Carbon Dioxide with Polymers, *J. Am. Chem. Soc.*, 7, 1729-1736.
- Kesuma, R. F., Sitorus, B., dan Adhitiyawarman, 2013, Karakterisasi Pori Adsorben Berbahan Baku Kaolin Cempaka dan Zeolite Dealuminasi, *ISSN*, 2, 19-23.
- Khairinal T.W., 2002, Dealuminasi Zeolit Alam Wonosari dengan Perlakuan Asam dan Proses Hidrotermal, *Prosiding Seminar Nasional Kimia VIII*, Yogyakarta, tanggal 1 Desember 2016.
- Kim, Y., Jong, Y., and Won, K., 2008, Preparation and properties of alginate superabsorbent filament fibers crosslinked with glutaraldehyde, *J. Appl. Polym. Sci.*, 10, 1797-1804.
- Konta, J., 1995, Clay and Man: Clay Row Materials in The Service of Man, *Appl. Clay. Sci.*, 3,39-49
- Kuroki, V., Bosco, G., Fadani, P. S., Mozeto, A., and Carvalho, W. A., 2014, Use of a La(III)-Modified Bentonite for Effective Phosphate Removal from Aqueous Media, *J. Hazard. Mater.*, 5, 124-131.
- Mayangsari, F., 2013, Studi Adsorpsi Ion Fosfat dalam Air Laut Menggunakan Zeolit Alam yang Terjerap dalam *Beads Fe-alginat*, *Skripsi*, Universitas Gadjah Mada, Yogyakarta.
- Mchugh, D., 2003, *A Guide To Seaweed Industry*, Food and Agriculture Organization of The United Nations, Rome.
- Miller, T. D., 2008, *Living in The Environment: Concepts, Connections and Solutions*, 16th Ed., Wadsworth Publishing Company, Washington DC.
- Murray, H., 2000, Traditional and New Applications for Kaolin, Smectit, and Polygorskite, A general overview, *App. Clay Sci.*, 17, 207-221.
- Oscik, J., 1982, *Adsorption*, Ellos Horwood, England.
- Pham, T. H., Byeoung-kyu, L. and Jitae, K., 2016, Novel Improvement of CO₂ Adsorption Capacity and Selectivity by Ethilendiamine Modified nano-Zeolite, *J. Taiwans Inst. Chem. Eng.*, 66, 239-248.



- Pramurtya, I. C., 2016, Studi Adsorpsi Gas CO₂ Menggunakan Adsorben Beads Ca-Alginat-Zeolit, *Skripsi*, Departemen Kimia FMIPA UGM, Yogyakarta.
- Primo, Forneli, A., Corma, A., Garcia, H., 2012, From Biomass Wastes to Highly Efficient CO₂ Adsorbents: Graphitisation of Chitosan and Alginate Biopolymers, *Green Sustainable Chem.*, 5, 2207-2214.
- Peretz, S., Anghel, D. F., Vasilescu, E., Spiroiu, M. F., Stoian, C. and Zgherea, G., 2015, Synthesis, Characterization and Adsorption Properties of Alginates Porous Beads, *Polym. Bull.*, 5, 3169-3182.
- Rashidi, N. A., Yusup, S. and Loong, L. H., 2013, Kinetic Studies on Carbon Dioxide Capture using Activated Carbon, *Chem. Eng. Sci.*, 7, 361-366.
- Rodiansono, A. R., 2007, Interkalasi Oligomer Hidroksil-Kromium pada Kaolin Alam Tatakan, *Indo. J. Chem.*, 8 (1), 31-36.
- Saikia, B. J., and Parthasarathy, G., 2010, Fourier Transform Infrared Spectroscopic Characterization of Kaolinite from Assam and Meghalaya, Northeastern India, *J. Mod. Phys.*, 1, 206-210.
- Singh, L., Pavankumar, A., Lakshmanan, R., and Rajarao, G., 2011, Effective Removal of Cu²⁺ Ions from Aqueous Medium Using Alginate as Bioadsorbent, *Ecol. Eng.*, 39, 119-124.
- Shofa, 2012, Pembuatan Karbon Aktif Berbahan Baku Ampas Tebu dengan Aktivasi Kalium Hidroksida, *Skripsi*, Fakultas Teknik Kimia UI, Depok.
- Sunardi, Utami, I., dan Totok, W., 2009, Karakteristik Kaolin Lokal Kalimantan Selatan Hasil Kalsinasi, *Indo. J. Chem.*, 3, 373-379.
- Sun, J., and Tan, H., 2013, Alginate-Based Biomaterials for Regenerative Medicine Applications, *J. Adv. Mater.*, 6, 1285-1309.
- Streets, D. B., 2003, An Inventory of Gaseous and Primary Aerosol Emissions in Asia In The Year 2000, *J. Geophys. Res.*, 108, 1029-2002.
- Schumann, W., and Morgan, J., 1981, *Aquatic Chemistry*, John Wiley and Sons Inc., New York.
- Sunardi, 2011, Kajian Spektroskopi FTIR, XRD dan SEM Kaolin Alam Asal Tatakan, Kalimantan Selatan Hasil Purifikasi dengan Metode Sedimentasi, *Skripsi*, Program Studi Kimia FMIPA Universitas Lambung Mangkurat, Kalimantan, 137-149.



- Tan, K. H., 1995, *Dasar-Dasar Kimia Tanah*, Edisi 4, Gadjah Mada University Press., Yogyakarta.
- Wang, M., Yao, L., Wang, J., Zang, Z., Qiao, A. and Long, D., 2016, Modified Bentonite and Regeneration Study of Polyethylenimine-Impregnated millimeter-Sized Mesoporous Carbon Spheres For post-Combustion CO₂ Capture, *Appl. Energy*, 4, 282-290.
- Wong, S. D., 2002, *Carbon Dioxide and Separation Technology*, Alberta Research Council Inc., Canada.
- Yang, W. and Zaoui, A., 2016, Capture and Sequestration of CO₂ in the Interlayer Space of Hydrate Calcium Montmorillonite Clay Under Various Geological Burial Depth, *Physica A.*, 4, 416-425.
- Zhanjiang, F., 1990, *Training Manual of Gracilaria Culture and Seaweed Processing in China*, Regional Seafarming Development and Demonstration Project China, China.
- Zhu, Y., Wang, Z., Zhang, C., Wang, J. and Wang, S., 2013, A Novel Membrane Prepared from Sodium Alginate Cross-linked with Sodium Tartrate for CO₂ Capture, *J. Chem. Eng.*, 3, 1098-1105.