

DAFTAR PUSTAKA

- Abdullah, Jaya, Darma, Rodiansono, (2010), Optimizing the Amount of KOH and NaOH Catalyst on Biodiesel Preparation from Palm Oil Using Co-solvent, *Sains dan Terapan Kimia*, **Vol .4**. Pp 79 – 89.
- Alkhaly, Yulius Rief., (2013), Reactive Powder Concrete dengan Sumber Silika dari Limbah Bahan Organik. *Teras Jurnal*, **Vol.3 No. 2**: 157-166.
- Amer, S.I., (2004), Simplified Removal of Chelated Ions. *Metal Finishing*, **Vol. 102** No.4 (1-5).
- Aprila, S.W., Jahro, I.S., (2014), *Sintesis dan Karakterisasi Zeolit 13X Dari Limbah Abu Cangkang Kelapa Sawit dan Sampah Alumunium Foil*, Skripsi, FMIPA Unimed, Medan.
- Breck, D., (1974), *Zeolite Molecular Sieves: Structure, Chemistry, and Use*, John Wiley and Sons, New York.
- Clark, (1979), *Industrial Mineral: Zeolit The Hydrothermal Deposit*. New York: Pergamon.
- Darwanta, (1997), *Kajian Dekomposisi Abu Layang dan Sintesis Zeolit 4A dengan Bahan Dasar Fraksi Ringan Abu Layang Hasil Dekomposisi*, Skripsi, FMIPA UGM, Yogyakarta.
- Ertan, A., and Ozkan., (2005), CO₂ and N₂ Adsorption on the Acid (HCl, HNO₃, H₂SO₄, and H₃PO₄) Treated Zeolites. *Adsorption*, **Vol 11**, 151-156.
- Flanigen, E.M. dkk, (1971), Infrared Structure Studies of Zeolite Framework Molecular Sieve. *Zeolite – I, American Society Advances in Chemistry*, **101**, 201-229.
- Flanigen, E.M., (1980), Molecular Sieve Zeolit Technology-The First Twenty-Five Years, *Pure & Appl.Chem.*, 52: 2191-2211
- Georgiev, D., Bogdanov, B., Angelova, K., Markovska, I., Hristov., Y., (2009), *Synthetic Zeolites-Structure, Clasification, Current Trends In Zeolite Synthesis Review*, Internasional Science Confidence, Stara Zagora, Bulgaria.
- Graille, J., Lozano, P., Pioch, D. and Geneste, P. (1985), Essais d'alcoolyse d'huiles Vegetales avec des Catalyseurs Naturels Pour la Production de Carburants Diesel, *Oleagineux*, **40(5)**.
- Hamdan, H, (1992), Introduction to zeolite : *Synthesis, Characterization, and Modification*, University Technology Malaysia
- Hutahaean, B., (2007), *Pengujian Sifat Mekanik Beton Yang Dicampur Dengan Abu Cangkang kelapa sawit*, Skripsi, FMIPA Unimed, Medan.
- Jahro, I.S., (2003), Sintesis dan Karakterisasi Zeolit 13X Dari Abu Layang Sebagai Bahan Pembangun Deterjen, Laporan Penelitian Dosen Muda, Unimed.

- Juwitaningsih, T., Jahro, I.S., (2009), *Zeolit 4A Dari Abu Layang Sebagai Bahan Pembangun Deterjen Alternatif Yang Ramah Lingkungan*, Laporan Penelitian Hibah Bersaing, Unimed.
- Khopkar, S.M., (1990), *Konsep Dasar Kimia Analitik*, Jakarta: UI Press.
- Kusumaningtyas, Endarti A., (2003), *Pemanfaatan Zeolit sebagai Adsorben untuk Mengolah Limbah Industri dan Radioaktif*. UNM, Malang.
- Ojha, K., Narayan C.P, Amarnath S., (2004), Zeolite from Fly Ash : Synthesis and Characterization, *Indian Academy of Sciences*, **Vol.27**, No.6 : 555 – 564.
- Rangkuti, W.S., Jahro, I. S., (2013), *Sintesis dan Karakterisasi Zeolit 13X dari Limbah Abu Sekam Padi dan Sampah Aluminium Foil*, Skripsi, FMIPA Unimed, Medan.
- Riberio R.F. (1984). *Ion Exchange Separation With Molecular Sieves Zeolites*. Boston: Martinus Nyhoff.
- Rosdiana, T., (2006), *Pencirian Dan Uji Aktivitas Katalitik Zeolit Alam Teraktivasi*, Skripsi, Institut Pertanian Bogor, Bogor.
- Saputra, R., Jahro, I.S., (2006), *Sintesis dan Karakterisasi Zeolit 4A Dari Limbah Abu Sekam Padi dan Sampah Aluminium Foil*, Skripsi, FMIPA Unimed.
- Sherrington, D. C., and A. P. Kybett, (2001), *Supported Catalysts and Their Application*, Royal Society of Chemistry. London, 61-65.
- Smith, K., (1992), *Solid Support and Catalyst in Organic Synthesis*, Ellis Horwood PTR, Prentice Hall, London.
- Stuart, B., (2004), *Infrared Spectroscopy: Fundamental and Applications*, John Wiley & Sons, Ltd., New York.
- Sukandarrumidi., (2004), *Bahan Galian Industri*, UGM Press, Yogyakarta.
- Suminta, S., (2006), Karakterisasi Zeolit Alam dengan Metode Difraksi Sinar-X. *Jurnal Zeolit Indonesia* **Vol. 5** No.2
- Sutarti, M dan Rachmawati,M., (1994), *Zeolit Tinjauan Literatur*, Pusat Dokumentasi dan Informasi Ilmiah LIPI, Jakarta.
- Suryanarayana, C., dan Grant, M. N., (1998), *X-Ray Diffraction A Practical Approach*, Springer Science and Bussiness Media.
- Triantafillidis, C., Vlessidis, A., and Evmiridis, N., (2000), *Dealuminated H-Y Zeolite: Influence of The Degree and The Type of Dealumination Method on Structural and Acidic Characteristics of H-Y Zeolite*, *Ind. Eng. Chem* **Vol. 39**, No. 2, 307-3019.
- Ugal, J.R., Malik M., Ali A.A., (2008), *Preparation of Zeolite Type 13X from Locally Available Raw Materials*, University of Baghdad, Iraq.
- Ulfah, Eli M., Fani A. Y., Istadi, (2006), *Optimasi Pembuatan Katalis Zeolit X dari Tawas, NaOH dan Water Glass dengan Response Surface Methodology*, Universitas Diponegoro, Semarang.

- Valdes, M.G., Perez-Cordoves, A.I. dan Elena, D.G.M., (2006), Zeolites and zeolite-based materials in analytical chemistry, *Trends in Analytical Chemistry*, **25**[1]: 24-30.
- Von Ballmoos, R., (1984,) *Collection of Simulated XRD Powder Patterns for Zeolites*, Mobil Research and Development Corporation, Princenton, USA.
- Widiarsi,S.W., (2008), *Pengaruh Bahan Baku Terhadap Kadar Senyawa Fenol Pembuatan Asap Cair (Liquid Smoke) dari Limbah Kelapa Sawit Di Kabupaten Pasir-Kalimantan Timur*. Program Pasca Sarjana, Universitas Gadjah Mada, Yogyakarta.
- Yappert, M.C. dan DuPre, D.B., (1997), Complexometric Titrations: Competition of Complexing Agents in the Determination of Water Hardness with EDTA. *Journal of Chemical Education*, **Vol. 74**(12): 1422-1423.

