DAFTAR PUSTAKA

[1] F. Rahmayani and M. Siswarni, "Pemanfaatan Limbah Batang Jagung Sebagai Adsorben Alternatif Pada Pengurangan Kadar Klorin Dalam Air Olahan (Treated Water)," *J. Tek. Kim. USU*, vol. 2, no. 2, pp. 1–5, 2013.

[2] E. Wibowo, M. Rokhmat, Sutisna, Khairurrijal, and M. Abdullah, "Reduction of seawater salinity by natural zeolite (Clinoptilolite): Adsorption isotherms, thermodynamics and kinetics," *Desalination*, vol. 409, pp. 146–156, 2017.

[3] C. Martínez and A. Corma, "Zeolites," *Compr. Inorg. Chem. II (Second Ed. From Elem. to Appl.*, vol. 5, pp. 103–131, 2013.

[4] M. Moshoeshoe, M. Silas Nadiye-Tabbiruka, and V. Obuseng, "A Review of the Chemistry, Structure, Properties and Applications of Zeolites," *Am. J. Mater. Sci.*, vol. 2017, no. 5, pp. 196–221, 2017.

[5] I. Petrov and T. Michalev, "Synthesis of Zeolite A: A Review," *НАУЧНИ ТРУДОВЕ НА РУСЕНСКИЯ УНИВЕРСИТЕТ (Proceedings - Chem. Technol.*, no. 51, Book 9.1, pp. 30–35, 2012.

[6] S. K. Masoudian, S. Sadighi, and A. Abbasi, "Synthesis and characterization of high aluminum zeolite X from technical grade materials," *Bull. Chem. React. Eng. Catal.*, vol. 8, no. 1, pp. 54–60, 2013.

[7] E. Wibowo, Sutisna, M. Rokhmat, R. Murniati, Khairurrijal, and M. Abdullah, "Utilization of Natural Zeolite as Sorbent Material for Seawater Desalination," *Procedia Eng.*, vol. 170, pp. 8–13, 2017.

[8] "Aktivasi zeolit alam jenis," no. Vcd.

[9] R. F. Mudzakir, E. Wibowo, and M. Rokhmat, "AKTIVASI ZEOLIT ALAM DENGAN KOMBINASI PERLAKUAN TERMAL DAN PENGGUNAAN (NaOH) UNTUK DESALINASI AIR LAUT NATURAL ZEOLITE ACTIVATION WITH THERMAL TREATMENT COMBINATION AND USE (NaOH) FOR SEA WATER DESALINATION."

[10] Y. R. Siallagan, M. Rokhmat, and E. Wibowo, “MENINGKATKAN ADSORPTIVITAS TERHADAP ION GARAM DALAM AIR LAUT ACTIVATION OF NATURAL ZEOLITE USING CLORID ACID (HCl) TO INCREASE ADSORPTIVITY ON SALT IONS IN WATER.”

[11] A. P. LESTARI, “EFFECT OF THERMAL TREATMENT BY USING MICROWAVE TO THE ZEOLITE ’ S ADSORP TIVITY ON THE,” no. 2019, pp. 1–7.

[12] A. Vegas Montaner, R. Escuder Vallés, and J. Oliver Raboso, “Franquicias estadísticas,” *An. del Inst. Actuar. Españoles*, vol. 73, no. 10, pp. 149–194, 2004.

[13] S. Affandi, H. Setyawan, S. Winardi, A. Purwanto, and R. Balgis, “A facile method for production of high-purity silica xerogels from bagasse ash,” *Adv. Powder Technol.*, vol. 20, no. 5, pp. 468–472, 2009.

[14] M. Y. N. Firdaus, H. Osman, H. S. C. Metselaar, and A. R. Rozyanty, “Extraction of silica content from the Cymbopogan citratus (lemon grass) and its performance as reinforcement for polymers,” *AIP Conf. Proc.*, vol. 1865, pp. 1–6, 2017.

[15] A. L. Putro and D. Prasetyoko, “Abu Sekam Padi Sebagai Sumber Silika Pada Sintesis Zeolit ZSM-5,” *Akta Kim. Indones.*, vol. 3, no. 1, pp. 33–36, 2007.

[16] I. Zahrina, “Pemanfaatan Abu Sabut Dan Cangkang Sawit Sebagai Sumber Silika Pada Sintesis Zsm-5 DARI ZEOLIT ALAM,” *J. Sains dan Teknol.*, vol. 6, no. 2, pp. 31–34, 2007.

[17] L. F. Bumi and J. Fisika, “Febri Melta Mahaddilla , Ardian Putra,” vol. 2, no. 4, pp. 262–268, 2013.

[18] W. I. Rasyiddin, E. Wibowo, E. Rosdiana, F. T. Elektro, and U. Telkom, “Sintesis zeolit dari abu sekam padi dengan menggunakan gelombang mikro synthesis of zeolites from rice husk ash by using microwave.”

[19] S. Mathew, A. Joseph, and P. P. Sreevidya, *L e m o n g r a s s*. 2006.

[20] S. M. Csicsery, “Zeolites Volume 4 issue 3 1984 [doi 10.1016_0144-2449(84)90024-1] Sigmund M. Csicsery -- Shape-selective catalysis in zeolites.pdf,” vol. 4, no. 2, pp. 116–126, 1984.

[21] D. Yuanita, “Hidrogenasi Katalitik Metil Oleat Menjadi Stearil Alkohol Menggunakan Katalis Ni/Zeolit Alam,” *Pros. Semin. Nas. Kim. , UNY*, p. 6, 2009.

[22] “TERHADAP ION GARAM DALAM AIR LAUT DISERTASI Karya tulis sebagai salah satu syarat untuk memperoleh gelar Doktor dari Institut Teknologi Bandung EDY WIBOWO NIM : 30212002 (Program Studi Doktor Fisika) INSTITUT TEKNOLOGI BANDUNG Juli 2017 ABSTRAK,” vol. 30212002, 2017.

[23] T. O. Fabunmi *et al.*, “Journal of Organic Systems,” *J. Org. Syst.*, vol. 7, no. 2, pp. 1–63, 2012.

[24] M. Y. N. Firdaus, H. Osman, H. S. C. Metselaar, and A. R. Rozyanty, “Silica from Lemon Grass,” vol. 11, no. 1, pp. 1270–1279, 2016.

[25] C. Brinker George Scherer, *Sol-Gel Science*, 1st ed. 2013.

[26] A. Olusegun *et al.*, “We are IntechOpen , the world ’ s leading publisher of Open Access books Built by scientists , for scientists TOP 1 %,” *Intech*, vol. i, no. tourism, p. 38, 2012.

[27] V. Putri, Firmantia Debby, Ritongga, Helmi Maulina, Murdiati, “What Is Hydrothermal Liquefaction?,” *Hydrothermal*.

[28] I. Interferometers, “How_an_FTIR_Spectrometer_Works.”

[29] A. A. Bunaciu, E. gabriela Udriştioiu, and H. Y. Aboul-Enein, “X-Ray Diffraction: Instrumentation and Applications,” *Crit. Rev. Anal. Chem.*, vol. 45, no. 4, pp. 289–299, 2015.