

DAFTAR PUSTAKA

1. Nurliati, G; Y.K Krisnandi; R. Sihombing; Z. Salimin; Studies of Modifiotion of Zeolite by Tandem Acid-Base Treatments and its Adsorptions Performance Towards Thorium. *Atom of Indonesia* 2015, 41(2), 87 – 95.
2. N, Wijayati; Utomo A. B.; Natural Zeolite Catalyst for Conversion of α -Pinene. *International Journal of Chemical Engineering and Application* 2016, 7(2), 138 – 140.
3. Kusdarto; Potensi Zeolit Di Indonesia. *Jurnal Zeolit Indonesia* 2008, 7(2), 78 – 87.
4. Majid, Arief Budiman; Wega Trisunaryanti; Yoga Priastomo; Erna Febriyanti; Syafitri Hasyati; Again Nugroho; Karakterisasi dan Uji Aktivitas Katalitik Zeolit Alam Indonesia pada Hidrorengkah Ban Bekas dengan Preparasi Sederhana. *Prosiding Seminar Nasional Kimia Unesa*, Surabaya, 2012.
5. Fatimah, Dewi; Modifikasi Zeolit Alam Melalui Penanaman Inhibitor Cu Dengan Metoda Batch Sebagai Bahan Baku Obat Anti-Septik. *Jurnal Zeolit Indonesia* 2009, 8(2), 66 – 75.
6. Mustain, Asalil; Gede Wibawa; Mukhammad Furoiddun Nais; Miftakhul Falah; Synthesis of Zeolite NaA From Low Grade (High Impurities) Indonesian Natural Zeolite. *Indo. J. Chem* 2014, 14 (2), 138 – 142.
7. Kusuma, Ricky Indra; Johan Prabowo Hadinoto; Aning Ayucitra; Felycia Edi Soetaredjo; Suryadi Ismadji; Natural Zeolite from Pacitan Indonesia, As Catalyst Support for Transesterification of Palm Oil. *Applied Clay Science* 2013, 74, 121 – 126.
8. Wahono, Satriyo Krido; Hernawan; Anis Kristiani; Silvester Tursiloadi; Haznan Abimayu; Characterization and Utilization of Gunungkidul Natural Zeolite for Bioethanol Dehydration. *Conference and Exhibition Indonesian Renewable Energy & Energy Conservation: Energy Procedia* 2014, 47, 263 – 267.
9. Nurhadi, Mukhamad; Wega Trisunaryanti; M. Utoro Yahya; Bambang Setiaji; Characterization and Modification of Natural Zeolit And Its Cracking Properties on Petroleum Fraction. *Indonesian Journal of Chemistry* 2001, 1 (1), 7 – 10.
10. Maisuradze, Giorgi; Shota Sidamonidze; Lali Akhal Bedashvili; Revaz Kvatasshidze; Modified Natural Zeolite as Catalyst for Catalytic Reduction of NO with CO-Main Components of Exhaust Gases. *Journal of Environmental Science and Engineering* 2015, 574 – 582.
11. Gultom, Fransiskus; Pembuatan Nanozeolit Alam Sarulla Sebagai Pengisi Pada Polimer Foam Poliuretan. *Agrium*, 2015, 19 (3), 190 – 195.
12. Pawar, Ganesh T.; Sachin P. Gadekar; Balasaheb R. Arbad; Machhindra K. Lande; Modification, Characterization, and Catalytic Application of Mesolite for One Pot Synthesis of 3-Methyl-4-arylmethylene-isoxazol-5(4H)-ones. *Bulletin of Chemical Reaction Engineering & catalyst* 2017, 12 (1), 32 – 40.
13. Mohamed, Mohamed Mokhtar; Catalytic Properties of Fe Ion-Exchanged Mordenit Toward The Ethanol Transformation: Influence of the Methods of Preparation. *Journal of Molecular Catalysis A: Chemical* 2003, 200, 301 – 313.
14. Widiastuti, Endang; Kajian Awal Pembuatan Katalis Padat Berbahan Dasar Zeolit untuk Reaksi Esterifikasi. *Race* 2013, 7 (1).
15. Kristiani, Anik; Sudiarmanto Sudiarmanto; Fauzan Aulia; Luthfiana Nurul Hidayati; Haznan Abimayu; Metal Suppoerted on Natural Zeolite as Catalysts for Conversion of Ethanol to Gasoline. *MATEC Web of Conferences* 2017, 101, 01001.

17. Manafov, Manaf R.; Jeyran T. Rustamova; Goshgar S. Alifev; Irada G. Melikova; Adile M. Alijeva; Study of Modified Forms of Natural Zeolites as Catalysts for Methanol Oxidation. *American Journal of Chemistry and Application* 2015, 2 (6), 75 – 78.
18. Hua, Yuan; Fan Xiaozhen; Zuo Shaoqing; Sythesis of Ethyl Acetate Catalyzed by $(\text{NH}_4)_6[\text{MnMo}_9\text{O}_{32}]\cdot 8\text{H}_2\text{O}$ with Waugh Structure. *Journal of hemical and Pharmaceutical Research* 2015, 7 (10), 445 – 448.
19. Wu, Kuo-Ching; Yu-Wen Chen; An Efficient Two-phase Reaction of Ethyl Acetate Production in Modified ZSM-5 Zeolites. *Applied Catalysts A: General*, 2004, 257, 33 – 42.
20. Corma, Avelino; Hermenegildo Garcia; Sara Iborra; Jaime Primo; Modified Faujasite Zeolites as Catalysts in Organi Reactions: Esterification of Carboxylic Acids in the presence of HY Zeolites. *Journal of Catalysis* 1989, 120, 78 – 87.
21. Inui, Kanichiro; Toru Kurabayashi; Satoshi Sato; Direct Synthesis of Ethyl Acetate from Ethanol Carried Out under Pressure. *Journal of Catalysis* 2002, 212, 207 – 215.
22. Lobo, Raul F.: Introduction to the Structural Chemistry of Zeolites; Marcel Dekker Inc: Delaware; USA, 2003.
23. Erichsen, Marius Westgård. Mechanistic studies of acid-catalysed hydrocarbon reactions in zeolitic materials. *Dissertation for the degree of Philosophiae Doctor*, Faculty of Mathematic and Nature Science, University of Oslo, Oslo, 2014.
24. Akdeniz, Yelda; Cation Exchange in Zeolites, Structure Modification by Using a Microwave. *Disertasi*, Material Science and Engineering, Izmir Institute of Technology, Izmir, 1999.
25. Febre, R. A. le.; High-Silica Zeolites and Their Use as Catalyst in Organic Chemistry. *Disertasi*, Applied Science, Bibliothek Technische Universiteit, Leiden, 1989.
26. Wang, Shaobin; Yuelian Peng; Natural Zeolite as Effetive Adsorbents in Water and Wastewater treatment. *Chemical Engineering Journal* 2010, 156, 11 – 24.
27. Simonic, Petra; Thomas Armbruster; Peculiarity and Defect Structure of The Natural and Synthetic Zeolite Mordenit: A Single-Crystal X-ray Study. *American Mineralogist* 2004, 89, 421 – 431.
28. Bhadauria, Jyoti; B.K. Singh; Avinash Tomar. Radha Tomar; Synthesis and Characterization of analogue of mordenit and its role as a catalyst for Friedel-Crafts Acylation of Anisole. *Journal of Chemical and Pharmaceutical Research* 2011, 3 (2), 245 – 257.
29. Jha, B; D.N. Singh: Fly Ash Zeolites, Advanced Structured Material; *Springer Science Bussiness Media*: Singapore, 2016.
30. Handhoyo, Roocyta; Herry Prijatama; Siti Sofiyah; Iis Nurlela; Nita Yusianita; R. Amelia; Ratna Komala; Peningkatan Rasio Si/Al Zeolit Alam Mordenit sebagai Bahan Dasar Zeolit Katalis. *Jurnal Zeolit Indonesia* 2005, 4 (1), 19 – 24.
31. Furtado, E. A.; M. A. Chaer Nascimento: Theoretical Aspets of Heterogeneous Catalysis; *Kluwer Academic Publishers*: Netherlands, 2001.
32. Wahyuni, Santhy; Karakterisasi Zeolit Alam Asal Cikalong Tasikmalaya. Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Padjajaran, Bandung, 2008.
33. Diale, Palesa P.; Edison Muzenda; Member; IAENG; Jopsephat Zimba; A Study of South Afrian Natural Zeolites Properties and Application. *Proceeding of World Congress on Engineering and Computer Science*, San Fransisco, 2011.
34. Guerrero, Lailyn M.; Jenica F. Mendoza; Kim Thomas V. Ong II; Modification and Testing of Philippine Natural Zeolites as Potensial Alternative to Noble Metal

- Catalysts in Catalytic Converter. *Thesis*, Chemical Engineering, University of Santo Tomas, Philippine. 2016.
35. Nurhayati, Nanik Dwi; Modifikasi Zeolit Alam sebagai katalis melalui pengembangan logam tembaga. *Seminar Nasional Kimia dan Pendidikan Kimia VIII*, Surakarta, 2016.
 36. Wirawan, S. K.; H. Sudibyo; Muhammad F. Setiaji; I. W. Warmada; Endang T. Wahyudi; Development of Natural Zeolite Adsorbent: Chemical Analysis And Preliminary TPD Adsorption Study. *Journal of Engineering Science and Technology*, 2015, 87 – 95.
 37. Wibowo, E; M Rokhmat; Sutisna; R Murniati; Khairurrijal; M. Abdullah. Identification of Natural Zeolites from Sukabumi, West Java, Indonesia: Structure, Chemical Composition, Morphology and Molecular Vibration. *Material Research Express*, 2017, 4, 064002.
 38. Mutgimaturrohmah; Drs. Gunawan; Khabibi; Aplikasi Zeolit Alam Terdealuminasi dan Termodifikasi HDTMA sebagai Adsorben Fenol. Universitas Diponegoro, Semarang, 2010.
 39. Srihapsari, Dwita.; Penggunaan Zeolit Alam Yang Diaktivasi Dengan Larutan HCl untuk Menjerap Logam-logam Penyebab Kesadahan Air. *Skripsi*, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Negeri Semarang, Semarang, 2006.
 40. Nurhayati, Nanik Dwi.; Sintesis dan Karakterisasi Katalis Cu/Zeolit dengan Metoda Presipitasi. *Seminar Nasional Kimia dan Pendidikan Kimia VIII*, Surakarta, 2015.
 41. Hernawan; Satriyo Krido Wahono; Roni Maryana; Diah Pratiwi; Modifiotion of Gunungkidul Natural Zeolite as Bioethanol Dehydrating Agents. *Energy Procedia*, 2015, 65, 116 – 120.
 42. Lestari, Dewi Yuanita.; Kajian Modifikasi dan karakterisasi Zeolit Alam dari Berbagai Negara. *Prosiding Seminar Nasional Kimia dan Pendidikan Kimia*, Yogyakarta, 2010.
 43. <http://www.weppi.gtk.fi/publ/foregsatlas/text.Cu.pdf> Diambil pada tanggal 20 Juni 2017 Pukul 00.46 WIB
 44. Oktavani, Herlin. Pembuatan dan Karakterisasi Nanokomposit MFe_2O_4 dan $MFe_2O_4-SiO_2$ (M= Cu, Ni). *Skripsi*, Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Andalas, Padang, 2007.
 45. Housecorft, Catherine E.; Alan G. Sharpe: *Inorganic Chemistry*; Pearson Education Limited: England. 2005.
 46. Xu Ruren; Wenqin Pang; Jihong Yu; Qisheng Huo; Jiesheng Chen: *Chemistry of Zeolites and Related Porous Materials: Synthesis and Structure*; John Wiley and Sons Pte Ltd: Singapore. 2007.
 47. Arimi, Milton M.; Modified Natural Zeolite as Heterogeneous Fenton Catalyts in Treatment of Recalcitrants in Industrial Effluent. *Progress in Natural Science: Material Internatonal* 2017, 27 (2), 275 – 282.
 48. Irnawati, D.; W. Widjijono; K. Wijaya; W. Asmara; Effect of Immersion in Cu(II)-Natural Zeolite on Copper Sorption an Colour Stability of Acrylic Resins. *Asian Journal of Chemistry* 2015, 27 (9), 3152 – 3156.