

DAFTAR PUSTAKA

- Ajayi, A.O., Atta, A.Y., Aderemi, B.O. and Adefila, S.S., 2010. **Novel Method of Metakaolin Dealumination-Preliminary Investigation**. *Journal of Applied Sciences Research*, 6(10): 1539-1546
- Anonim, 2010, **Data Pemerintahan Daerah**, Badan Koordinasi dan Penanaman Modal Daerah, Bangka dan Belitung
- Atta, A.Y., Jibril, B.Y., Aderemi, B.O. and Adefila, S.S., 2012. **Preparation of Analcime from Local Kaolin and Rice Husk Ash.**, *Applied Clay Science*, 61: 8–13
- Bakri R., Utari T., Sari I.P., 2008, **Kaolin sebagai Sumber SiO₂ untuk Pembuatan Katalis Ni/SiO₂: Karakterisasi dan Uji Katalisis pada Hidrogenasi Benzena menjadi Sikloheksana**, *Makara Sains* 12(1): 37-43
- Chal, R., Gerardin, C., Bulut, M., Van Donk, S., 2011, **Overview and Industrial Assessment of Synthesis Strategies towards Zeolites with Mesopores**, *ChemCatChem*, 3(1): 67-81
- Chantawong V. and N. W. Harvey, 2003, **Synthesis of Zeolite from Thai Kaolin for Wastewater Treatment**, *Proceedings of the 2nd Regional Conference on Energy Technology Towards a Clean Environment*
- Cheng H., Liu Q., Yang J., Mac S., Ray L. Frost, 2012, **The Thermal Behavior of Kaolinite Intercalation Complexes-A Review**, *Thermochimica Acta*, 545:1–13
- Cheng, Y., Wang, L.J., Li, J.S., Yang, Y.C. and Sun, X.Y., 2005, **Preparation and Characterization of Nanosized ZSM-5 Zeolites in The Absence of Organic Template**, *Materials Letters*, 59: 3427-3430
- Feng, H., Chuyi, L., Hong, S., 2008 , **Effect of Calcination Temperature Of Kaolin Microspheres on the In situ Synthesis of ZSM-5**, *Catalyst Letters*, 129:71-78

- Fouad, O.A., Mohamed, R.M., Hassan, M.S. and Ibrahim, I.A., 2006, **Effect of Template Type and Template/silica Mole Ratio on The Crystallinity of Synthesized Nanosized ZSM-5**, *Catalysis Today*, 116(1): 82-87
- Goncalves M.L., Ljubomir D. Dimitrov, Maura Hebling Jorda ,Martin Wallau, Ernesto A. Urquieta-Gonza'lez, 2008, **Synthesis of Mesoporous ZSM-5 by Crystallisation of Aged Gels in the Presence of Cetyltrimethylammonium Cations**, *Catalysis Today*, 133–135:69–79
- Groen, J.C., Peffer, L.A.A.A., Moulijn, J.A. and Ramirez, J.P., 2005, **Role of Intrinsic Zeolite Properties on Mesopore Formation by Desilication of MFI Structures**, *Studies in Surface Science and Catalysis*, 156: 401-408
- Hartanto D., Purbaningtias T.D., Fansuri H., Prasetyoko D., 2011, **Pore Structure and Morphology Characterizations of Mesoporous ZSM-5 Synthesized at Various Aging Time**, *Jurnal Ilmu Dasar*, 12(1): 80-90
- Khalifah S.N., Hartanto D., Prasetyoko D., 2011, **Sintesis dan Karakteriasasi ZSM-5 Mesopori dengan Variasi Rasio SiO₂/Al₂O₃**, *Skripsi*, Jurusan Kimia Fakultas MIPA Institut Teknologi Sepuluh Nopember
- Khatamian, M. and Irani, M., 2009, **Preparation and Characterization of Nanosized ZSM-5 Zeolite Using Kaolin and Investigation of Kaolin Content, Crystallization Time and Temperature Changes on the Size and Crystallinity of Products**, *Journal of Iranian Chemical Society.*, 6(9):187-194
- Kim D.J. dan Chung H.S., 2003, **Synthesis and Characterization of ZSM-5 Zeolite from Serpentine**, *Applied Clay Science*, 24: 69– 7
- Lestari Y.D., 2010. **Kajian Modifikasi dan Karakterisasi Zeolit Alam dari Berbagai Negara**. Profesionalisme Peneliti dan Pendidik dalam Riset dan Pembelajaran yang Berkualitas dan Berkarakter, Yogyakarta
- Liu, Y., Yu, X., Qin, L., Wang, J. and Yang, Y., 2010, **In-Situ Synthesis of ZSM-5 from Metakaolin and It's Catalytic Perfomance on Methanol Conversion**, *Catalyst Research: Departement of Chemical and Biochemical Engineering, Zheijang University Hangzhou*
- Octaviani, S., Krisnandi, Y.K., Abdullah, I. and Sihombing, R., 2012, **The Effect of Alkaline Treatment to The Structure of ZSM-5 Zeolite**, *Makara Journal of Science*, 16(3): 155-162

- Oktaviani S., 2012. **Sintesis dan Karakterisasi Zeolit ZSM-5 Mesopori dengan Metode Desilikasi dan Studi Awal Katalisis Oksidasi Metana.** *Skripsi*, Universitas Indonesia. Depok
- Ordonsky, J.S., Murzin V.Y., Monakhova Y.V., Zubavichus Y.V., Knyazeva E.E., Nesterenko N.N., dan Ivanova I.I., 2007, **Nature, Strength, and Accessibility of Acid Sites in Micro/Mesoporous Catalysis Obtained by Recrystallization of Zeolite BEA,** *Microporous and Mesoporous Materials*, 105(1-2):101-110
- Purnamasari I., Prasetyoko D., 2011, **Sintesis & Karakterisasi ZSM-5 Mesopori serta Uji Aktivitas Katalitik pada Reaksi Esterifikasi Asam Lemak Stearin Kelapa Sawit,** *Prosiding Skripsi*, Jurnal Kimia ITS
- Rios,C.A, C.D Williams and M.J Mapple,2007, **Synthesis of zeolite and zeotypes by Hydrothermal Transformation of Kaolinite and Metakaolinite,** *Revista de la Facultad de Ciencias Basicas*, 5 (01)
- Septiyana, B. and Prasetyoko, D., 2012, **Sintesis ZSM-5 Berbahan Dasar Kaolin Menggunakan Metode Hidrotermal,** *Jurnal Sains dan Seni*, 1(1):1-4
- Sunardi, 2009, **The Study of FTIR , XRD and SEM of Natural Kaolin from Tatakan, South Kalimantan after Purification Process by Sedimentation Methods,** *Sains dan Terapan Kimia*, 4
- Ugal R.J., Hassan K.H., Ali I.H., 2010. **Preparation of type 4A zeolite from Iraqi kaolin: Characterization and Properties Measurements.** *Journal of the Association of Arab Universities for Basic and Applied Sciences* 9: 2–5
- Wang, L.,Zhe, Z.,Chengyang, Y.,Zhichao, S. 2009,**Hierarchial Mesoporous Zeolite with Controllable Mesopority Templeted from Cationic Polymer,** *Journal of Microporous and Mesoporous Materials*,131:58-67
- Wang, S. and Peng, Y., 2010, **Natural zeolites as Effective Adsorbents in Water and Wastewater Treatment,** *Chemical Engineering Journal*, 156: 11–24
- Weitkamp J., 2000. **Zeolites and catalysis,** *Solid State Ionics*, 131: 175–188
- White C.E., Provis J.L., Proffen T., Rilley D.P., Deventer J.S.J., 2010, **Combining density functional theory (DFT) and pair distribution function (PDF) analysis to solve the structure of metastable materials: the case of metakaolin,** *Pysical Chemistry*, 12:3239-3245

- Xianliang, H. and Wang, Z., 2011, **Synthesis of Zeolite ZSM-5 Small Particle Aggregates by a Two-Step Methode in The Absence of an Organic Template**, *Chinese Journal of Catalysis*, 32(1): 1702-1711
- Xue Z., Ma J., Zhang T., Miao H., Li R., 2012, **Synthesis of Nanosized ZSM-5 Zeolite with Intracrystalline Mesopores**, *Materials Letters* 68:1-3
- Ye, L., Xianbo, Y., Lei, Q., Jingdai, W., Yongrong, Y., 2010, **In-situ Synthesis of ZSM-5 Zeolite from Metakaolin/Spinel and Its Catalytic Performance on Methanol Conversion**, *China Petroleum Processing and Petrochemical Technology*, 12(1): 23-28
- Yoo, W.C., Zhang, X., Tsapatsis M. and Stein, A., 2012, **Synthesis of Mesoporous ZSM-5 Zeolite Through Desilication and re-assembly Processes**, *Microporous and Mesoporous Materials*, 149: 147-157
- Zhao L., Gao J., Xu C., Shen B., 2011, **Alkali-Treatment of ZSM-5 Zeolites with Different SiO₂/Al₂O₃ Ratios and Light Olefin Production by Heavy Oil Cracking**, *Fuel Processing Technology*, 92: 414-420
- Zhu J., Meng X., Xiao F., 2013, **Mesoporous Zeolites as Efficient Catalysts for Oil Refining and Natural Gas Conversion**, *Frontiers of Chemical Science and Engineering*, 7(2): 233-248