

DAFTAR PUSTAKA

- Z. Helwani, MR Othman, N. Aziz, WJN Fernando. 2009. Teknologi untuk produksi biodiesel dengan teknik green catalytic: review, Fuel Proses Technol. 90:1502-1514 .
- Suharto E.Suharto. 2010, Kimia Katalis Heterogen. Jurusan Kimia Fmipa Universitas Bengkulu
- Goldfrey, J.A.,Searles,R.A. 1981,Chemie-Technik 10(12),1271
- Cinthia S.C., Luiz C F G J dan Jose Mansur Assaf. 2014. The enhanced activity of Ca/MgAl mixed for tranesterification. Fuel Processing Technology:73-78
- Chaterine; E Housecroft, and Alang Sharpe: Inorganic Chemistry. Edition second. Pearson Education limited ISBN. 0130-39913-2.
- Adeyinka S.Yusuf. 2018. Synthesis and characterization of anthill-eggshell-Ni-Co mixed oxides composite catalyst for biodiesel production from waste fring oil.Department of chemical and petroleum Engineering, 10;1002
- Amit Mishra, Akansha Mehta, Manisha Sharma, and Soumen Basu. 2017. Enhanced heterogeneous photodegradation of VOC and dye using microwave synthesized TiO₂/Clay nanocomposites: A comparison study of different type of clays. Journal of Alloys and Compounds.574-580
- Mamoona M., Mushtaq A., m.Saeed, Amir W., M rehan., A.S Nizami., M Zafar., M Arshad and Shazia Sultana. 2019. Sustainable production of bioenergy from novel non-edible seed oil(Prunus cerasoides) using bimetallic. 109; 321-332
- Carmen P J G, Juan A C, and Ramon M T. 2017. Selective furfural Hydrogenation to furfuryl alcohol using Cu-Based catalysts supported on Clay Minerals. CrossMark.

- Hamed N, Naser S and Mohammad T. 2016. Optimization of the activity of KOH/calcium aluminate nanocatalyst for biodiesel production using response surface methodology. *Journal of the Taiwan Institute of Chemical Engineers*.
- Javier Toledo Arana, Juan Jos e Torres, Diego F. Acevedo, Cristian O. Illanes, Nelio A. Ochoa and Cecilia L. Pagliero. 2019. One-Step Synthesis of CaO-ZnO Efficient Catalyst for Biodiesel Production. *International Journal of Chemical Engineering*. 1806017;7
- Weems, J.B, 1987. Chemistry of clays. *J.Soc.Chem.Ind.* (16);395-425
- Preeti N S and B K Singh. 2007. Instrumental Characterization of Clay by XRF, XRD, and FTIR. *Bull. Mater. Sci.* 30(3);235-238.
- Anderson, 2015. Clay Minerals Soils to Engineering Technology to Cat Litter USC Mineralogy Geol.215a
- Bhattacharyya, Krishna Gopal; Susmita Sen Gupta. 2008. Adsorption of a Few Heavy Metals on Natural and Modified Kaolinite and Montmorillonit: A Review. *Advances in Colloid and Interface Science*. 140:114-131.
- Murray, Haydn H. 2006. Chapter 2 Structure and Composition of the Clay Minerals and their Physical and Chemical Properties. *Developments in Clay Science*. 2:7-31
- Gardolinski, Jos e E F d C. 2005. Interlayer Grafting and Delamination of Kaolinite. Disertasi. Fakultas Matematika dan Ilmu Pengetahuan Alam, Universitas Christian-Albrechts, Kiel, Germany.
- Barton, CD. dan A.D. Karathanasis. 2002. Clay Minerals. *Encyclopedia of Soil Science*
- Varma, Rajender S. 2002. Clay and Clay-Supported Reagents in Organic Synthesis. *Tetrahedron*, 58:1235-1255.

- Kaur, Navjeet and Dharma Kishore. 2012. Montmorillonite: An Efficient, Heterogeneous and Green Catalyst for Organic Synthesis. *Journal of Chemical and Pharmaceutical Research* 4(2);991-1015.
- Bonnie Tay Yen Ping and Choo Yuen May. 2000. Valuable minor constituents of commercial red palm olein: carotenoids, vitamin E, ubiquinones and sterols *Journal of Oil Palm Research*, 12(1);14-24
- Amir Reza Sadrolhosseini. 2010. Optical Characterization of Palm Oil Biodiesel Blend (Laporan). *Journal of Materials Science and Engineering*.
- Choong and Meng Yew. 2012. "Waste not the palm oil biomass". *The Star Online*
- Loh Soh Kheang. 2006. Recovery and conversion of palm olein-derived used frying oil to methyl esters for biodiesel (PDF) (Laporan). *Journal of Palm Oil Research*
- Frenzer, G; W.F. Maier. 2006. Amorphous Poros Mixed Oxides: Sol-Gel Ways to a Highly Versatile Class of Materials and Catalyst. *Annual Review of Materials Research*. 36;281-331.
- J.J. Kloprogge, L. Frost. 2005. Synthesis and Characterization of Pillared Clays and related Materials For Biodiesel Production. *Environmental Geology*, 47(7):967-981.
- Abdul Rahim Y and A.mahgoub. 2017. Sudanese Clays for Heterogeneous Methanolysis of castor Oil. 5(2);1-9
- Nurhayati, Sofia A, Tengku A.A, Muhdarina. 2018. The Effects of Catalyst Weight and Mole Ratio of Oil-Methanol on Crude Palm Oil (CPO) Esterification using H_2SO_4 (3M)/Clay Catalyst. Departemen fmipa universitas Riau
- Manut Jaimasith and Satit Phiyanalimat. 2007. Biodiesel Synthesis from Transesterification by Clay-based Catalyst. *Chiang Mai J. Sci.* 34(2) :201-207

- Guerro, Guerrero FCA, Guerrero-romero A, Sierra FE. 2010. Biodiesel production from waste cooking oil. *Biodiesel-Feedstocks and Processing Technologies*. 7;23.
- Guanyi Chen, Rui Shan, Jiafu Shi, Changye Liu dan Beibei Yan. 2015. Biodiesel production from palm oil using active and stable K doped hydroxyapatite catalysts. *Energy Conversion and Management* 98;463–469
- A.Gopinath, Sukumar P, G. Nagarajan. 2010. Effect of unsaturated fatty acid esters of biodiesel fuels on combustion, performance and emission characteristics of a DI diesel engine. *International Journal of energy and environment*. 1(3);411-430.
- Wahyu Sri K N, Ahmad S dan Priyono. 2014. Pengaruh Temperatur Kalsinasi pada Modifikasi Clay dengan Oksida Aluminium sebagai Pemilar. *Journal of Scientific and Applied Chemistry*. Physical Chemistry Laboratory, Chemistry Department, Faculty of Sciences and Mathematics, Diponegoro University. Semarang. 17(2):43–47.<http://ejournal.undip.ac.id/index.php/ksa>
- Guanyi C, Rui S, Jiafu S, Changye L, dan Beibei Y. 2015. Biodiesel production from palm oil using active and stable K doped hydroxyapatite catalysts. *Energy Conversion and Management* 98;463–469
- Gopinath, Sukumar P, G. Nagarajan. 2010. Effect of unsaturated fatty acid esters of biodiesel fuels on combustion, performance and emission characteristics of a DI diesel engine. *International Journal of energy and environment*. 1(3);411-430.
- Huang, D.;Zhou, H.;Lin. 2011. Biodiesel: An alternative to Coventional Fuel *Energy Procedia*. 16 (PART C), 1874-1885
- Ma,F. & Hanna,M.A. 1999. Biodiesel Production: a Review,*Bioresourc Technology*,70(1),1-15.

Van Gerpen,J., 2005, Biodiesel Processing and Production, *Fuel Processig Technology*, 86(10,1097-1107.)

Zhang, Y ., Dube, M.A., McLean, D.D., & Kates, M. 2003. Biodiesel Production from Waste Cooking Oil: 1. Process Design and Technological Assesment, *Bioresources Technology*,89,1-16.