

## DAFTAR PUSTAKA

- Achmad F., Yamane K., Quan S., Kokugan T. Synthesis of polylactic acid by direct polycondensation under vacuum without catalysts, solvents and initiators. *Chem. Eng. J.* 2009;151:342–350. doi: 10.1016/j.cej.2009.04.014
- Arch Chemical, Inc. 1999. *Safety And Handling of Hydrazine Solution*. Washington DC.
- Aries, R. S., and Newton, R. D., 1955, *Chemical Engineering Cost Estimation*, McGraw-Hill, New York.
- Asli, U. A., Nwaha, I., Hamid, H., Zakaria, Z. A., Sadikin, A. N., & Kamaruddin, M. J. 2016. A kinetic study of enzymatic hydrolysis of oil palm biomass for fermentable sugar using polyethylene glycol (PEG) immobilized cellulase. *Jurnal Teknologi*, 78(8–3), 51–57. <https://doi.org/10.11113/jt.v78.9565>
- Analisis Dampak Lingkungan Hidup (ANDAL) Kegiatan Terpadu Proyek Pengembangan Tangguh LNG SKK migas
- Badan Pusat Statistik. 2019. *Statistik Kelapa Sawit Indonesia 2018*. Badan Pusat Statistik. Jakarta
- Badan Pusat Statistik. 2019. *Direktori Perusahaan Perkebunan Kelapa Sawit Indonesia 2018*. Badan Pusat Statistik. Jakarta
- Burnham, A. K. 2010. *Estimating the Heat of Formation of Foodstuffs and Biomass*. December 2010, 1–11. <https://e-reports-ext.llnl.gov/pdf/459155.pdf>
- Crowl, D.A, Louvar, J.F. 2002. *Chemical Process Safety*. Prentice Hall. New Jersey.
- European Commission. 2006. “Emission from Storage”. Best Available Techniques Document.
- Fukushima K., Kimura Y. An efficient solid-state polycondensation method for synthesizing stereocomplexed poly(lactic acid)s with high molecular weight. *J. Polym. Sci. A Polym. Chem.* 2008;46:3714–3722. doi: 10.1002/pola.22712.

Fukushima K., Furuhashi Y., Sogo K., Miura S., Kimura Y. Stereoblock poly (lactic acid): Synthesis via solid-state polycondensation of a stereocomplexed mixture of poly (l-lactic acid) and poly (d-lactic acid) *Macromol. Biosci.* 2005;5:21–29. doi: 10.1002/mabi.200400121

<http://matche.com>, diakses pada tanggal 09 Juni 2021.

<http://www.mhhe.com>, diakses pada tanggal 09 Juni 2021.

<http://www.bi.go.id>, diakses pada tanggal 09 Juni 2021

Jacobsen S., Fritz H.G., Degée P., Dubois P., Jérôme R. New developments on the ring opening polymerisation of polylactide. *Ind. Crops Prod.* 2000;11:265–275. doi: 10.1016/S0926-6690(99)00053-9.

Kaihara S., Matsumura S., Mikos A.G., Fisher J.P. Synthesis of poly(L-lactide) and polyglycolide by ring-opening polymerization. *Nat. Protoc.* 2007;2:2767–2771. doi: 10.1038/nprot.2007.391.

Kern, D.Q., 1965, “Process Heat Transfer”, Int.ed., p. 102-160, New York, McGraw-Hill Book Company

Kim K.W., Woo S.I. Synthesis of high-molecular-weight poly (l-lactic acid) by direct polycondensation. *Macromol. Chem. Phys.* 2002;203:2245–2250. doi: 10.1002/1521-3935(200211)203:15<2245::AID-MACP2245>3.0.CO;2-3.

Korhonen H., Helminen A., Seppälä J.V. Synthesis of polylactides in the presence of co-initiators with different numbers of hydroxyl groups. *Polymer.* 2001;42:7541–7549. doi: 10.1016/S0032-3861(01)00150-1

Kumar, A.K., and Shaishav S. 2017. “Recent Updates on Different Methods of Pretreatment of Lignocellulosic Feedstocks: A Review.” *Bioresources and Bioprocessing* 4 (1). <https://doi.org/10.1186/s40643-017-0137-9>.

Material Safety Data Sheet.

Nagahata R., Sano D., Suzuki H., Takeuchi K. Microwave-assisted single-step synthesis of poly(lactic acid) by direct polycondensation of lactic acid. *Macromol. Rapid Commun.* 2007;28:437–442. doi: 10.1002/marc.200600715

- Occupational Safety and Health Act. 2000. *Process Safety Management*. U.S. Department of Labor.
- Perry, Robert H, and Don W. Green. 2008. *Perry's Chemical Engineers' Handbook*. New York: McGraw-Hill,
- Peters, M. S., and Timmerhaus, K. D., 1991, *Plant Design and Economics for Chemical Engineers*, 4th ed., McGraw-Hill, Singapore.
- Peraturan Pemerintah Republik Indonesia No. 41 Tahun 1999 tentang Pengendalian Pencemaran Udara
- Peraturan Menteri Negara Lingkungan Hidup No. 03 Tahun 2010 tentang Baku Mutu Air Limbah bagi Kawasan Industri
- Rizal, N.F.A.A., Ibrahim, M.F., Zakaria M.R., Abd-Aziz S., Yee P.L., and Hassan M.A. 2018. "Pre-Treatment of Oil Palm Biomass for Fermentable Sugars Production." *Molecules (Basel, Switzerland)* 23 (6): 1–14. <https://doi.org/10.3390/molecules23061381>.
- Sanglard P., Adamo V., Bourgeois J., Chappuis T., Vanoli E. Poly(lactic acid) synthesis and characterization. *Chim. Int. J. Chem.* 2012;66:951–954. doi: 10.2533/chimia.2012.95
- Smith, J.M., Van Ness, H.C. and Abbott, M.M., 1987. *Introduction to chemical engineering thermodynamics*, McGraw-Hill. Inc.: New York.
- Sinnott, R. K., J. M. Coulson, and J. F. Richardson. 2005. *Coulson & Richardson's chemical engineering. Vol. 6, Vol. 6*. Oxford
- Yaws, C.L., 1999, "The Yaws Handbook of Vapor Pressure : Antoine Coefficients", p.80-534. Oxford, Elsevier
- Young, E.H., and Brownell, L. E., 1979, *Process Equipment Design*, John Wiley and Sons, Inc., New York. Evans, F. L., 1980, "Equipment Design Handbook", Gulf Publishing Company, Tokyo



---

Zhao, X., & Liu, D. 2013. Kinetic Modeling and Mechanisms of Acid-Catalyzed Delignification of Sugarcane Bagasse by Aqueous Acetic Acid. *Bioenergy Research*, 6(2), 436–447. <https://doi.org/10.1007/s12155-012-9265-4>