

## DAFTAR PUSTAKA

- Aries, R. S., and Newton, R. D., 1955, Chemical Engineering Cost Estimation, McGraw-Hill, New York.
- Bauweleers HMK, Groeseneken DR, V. P. (2014). Genes useful for the industrial production of citric acid.
- Berovic, M., & Legisa, M. (2007). Citric acid production. *Biotechnology Annual Review*, 13(07), 303–343. [https://doi.org/10.1016/S1387-2656\(07\)13011-8](https://doi.org/10.1016/S1387-2656(07)13011-8)
- Brown, G. G., Katz, D., Foust, A. S., and Schneidewind, C., 1950, “Unit Operation”, John Wiley and Sons, Inc., New York.
- Citricacid-BiotechnologyAnnualReview2006. (n.d.).
- Cooney, C. L., Wang, D. I. C., & Mateles, R. I. (2000). Measurement of heat evolution and correlation with oxygen consumption during microbial growth. *Biotechnology and Bioengineering*, 67(6), 691–703. [https://doi.org/10.1002/\(SICI\)1097-0290\(20000320\)67:6<691::AID-BIT7>3.0.CO;2-R](https://doi.org/10.1002/(SICI)1097-0290(20000320)67:6<691::AID-BIT7>3.0.CO;2-R)
- Couper, J. R., Penney, W. R., Fair, J. R., & Walas, S. M. (2012). "Chemical Process Equipment Selection and Design Third Edition". Oxford: Elsevier Inc.
- Curran, J. S., Smith, J., & Holms, W. (1989). Heat-and-power in industrial fermentation processes. *Applied Energy*, 34(1), 9–20. [https://doi.org/10.1016/0306-2619\(89\)90051-2](https://doi.org/10.1016/0306-2619(89)90051-2)
- Drysdale, C. R., & McKay, A. M. (1995). Citric-Acid Production by *Aspergillus-Niger* in Surface Culture on Inulin. *Letters in Applied Microbiology*, 20(4), 252–254.
- European Comission. 2006. “Emission from Storage”. Best Available Techniques Document.
- Falony, G., Armas, J. C., Mendoza, J. C. D., & Hernández, J. L. M. (2006). Production of extracellular lipase from *Aspergillus niger* by solid-state fermentation. *Food Technology and Biotechnology*, 44(2), 235–240. <http://matche.com>, diakses pada tanggal 20 Mei 2019.
- <http://www.mhhe.com>, diakses pada tanggal 20 Mei 2019.
- <http://www.bi.go.id>, diakses pada tanggal 25 Mei 2019.

- Jain, R., & Venkatasubramanian, P. (2017). Sugarcane Molasses – A Potential Dietary Supplement in the Management of Iron Deficiency Anemia Sugarcane Molasses – A Potential Dietary Supplement in the Management of Iron Deficiency Anemia Rahi Jain MTech & Padma Venkatasubramanian PhD. *Journal of Dietary Supplements*, 14(5), 589–598. <https://doi.org/10.1080/19390211.2016.1269145>
- J. M. Smith, Hendrick C Van Ness, Michael Abbott, H. V. N. (2010). *Introduction to Chemical Engineering Thermodynamics Sixth Edition in S I Units Sixth Edition in SI Units*.
- Kappeli, O., Muller, M., & Fiechter, A. (1978). Chemical and structural alterations at the cell surface of *Candida tropicalis*, induced by hydrocarbon substrate. *Journal of Bacteriology*, 133(2), 952–958.
- Kern, D.Q., 1965, “Process Heat Transfer”, Int.ed., p. 102-160, New York, McGraw-Hill Book Company.
- Lab.Com, S. (2013). Material Safety Data Sheet: MSDS. *Chemicals & Laboratory Equipment*, 1–6. Retrieved from <https://www.sciencelab.com/msds.php?msdsId=9922977>
- Legiša, M. B. and M. (2007). Citric Acid Production. *Biotechnology Annual Review*.
- Max, B., Salgado, J. M., Rodríguez, N., Cortés, S., Converti, A., & Domínguez, J. M. (2010). Biotechnological production of citric acid. *Brazilian Journal of Microbiology*, 41(4), 862–875. <https://doi.org/10.1590/S1517-83822010000400005>
- Mulyo, A. (2014). Potensi Air Sungai Kabupaten Lampung Tengah Provinsi Lampung. *Seminar Nasional Fakultas Teknik Geologi, Bandung*, 232–248.
- Mulyono, Panut. 1997. Diktat Ekonomi Teknik Kimia. Departemen Teknik Kimia Fakultas Teknik Universitas Gadjah Mada.
- Occupational Safety and Health Act. 2000. *Process Safety Management*. U.S. Department of Labor.
- Othmer, K. (2001). *Encyclopedia of Chemical Technology* vol. 6.
- Pemantauan Impor Sub Kelompok Hasil Industri Kimia Organik Lainnya. (2016).

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

Perekonomian, K. K. B. (2016). Jumlah pengangguran di Kabupaten Lampung Tengah, Lampung 2007 - 2013.

Perez. (1997). *Feeding pigs in the tropics*. FAO Animal Production and Health Paper.

*Perry Chemical Engineers Handbook Seventh ed, 1997, McGraw-Hill*

Perkebunan, D. J. (2016). *Statistik Perkebunan Tebu Indonesia 2015-2017*.

Powell, S.T., 1954, "Water Conditioning for Industry", 1<sup>st</sup> ed., Mc Graw Hill Book Co., Tokyo.

PubChem. (n.d.). Citric Acid.

ROUKAS, T. (1991). Production of Citric Acid from Beet Molasses by Immobilized Cells of *Aspergillus niger*. *Journal of Food Science*, 56(3), 878–880. <https://doi.org/10.1111/j.1365-2621.1991.tb05409.x>

Sangsurasak, P., & Mitchell, D. A. (1995). The investigation of transient multidimensional heat transfer in solid state fermentation. *The Chemical Engineering Journal and The Biochemical Engineering Journal*, 60(1–3), 199–204. [https://doi.org/10.1016/0923-0467\(95\)03016-6](https://doi.org/10.1016/0923-0467(95)03016-6)

Show, P. L., Oladele, K. O., Siew, Q. Y., Aziz Zakry, F. A., Lan, J. C. W., & Ling, T. C. (2015). Overview of citric acid production from *Aspergillus niger*. *Frontiers in Life Science*, 8(3), 271–283. <https://doi.org/10.1080/21553769.2015.1033653>

Shuler, M. L., & Kargi, F. (2002). Bioprocess engineering: Basic concepts. *Journal of Controlled Release*, 293. [https://doi.org/10.1016/0168-3659\(92\)90106-2](https://doi.org/10.1016/0168-3659(92)90106-2)

Sinnott, R. K., 1983, "Coulson & Richardson's Chemical Engineering Series : Chemical Engineering Design", Chemical Engineering vol. 6 4th ed., Elsevier Butterworth-Heinemann, Oxford.

Smith, J.M., Ness, H.C.V., Abbott, M.M., 2001, "Chemical Engineering Thermodynamics", Volume 6, p.635-636, New York, Mc Graw Hill.

SNI. (1987). Asam sitrat teknis.

- Swain, M. R., Ray, R. C., & Studies, E. (2012). Citric Acid : Microbial Production and Applications in Food and Pharmaceutical AND A PPLICATIONS IN F OOD AND, (May 2014).
- Tate, B. (2002). PT Gula Putih Mataram Group.
- Tombari, E., Salvetti, G., Ferrari, C., & Johari, G. P. (2007). Kinetics and thermodynamics of sucrose hydrolysis from real-time enthalpy and heat capacity measurements. *Journal of Physical Chemistry B*, 111(3), 496–501. <https://doi.org/10.1021/jp067061p>
- Treybal, R.E., 1981, “Mass-Transfer Operations”, Int.ed., p. 139-210, Singapore, McGraw-Hill Book Company.
- Turan, E., Gules, O., Sevil, F., Erkut, M., Gurkan, O., Said, S., & Tatar, M. (2017). Annals of Anatomy The mixture of liquid foam soap , ethanol and citric acid as a new fixative – preservative solution in veterinary anatomy. *Annals of Anatomy*, 209, 11–17. <https://doi.org/10.1016/j.aanat.2016.09.002>
- UN Women. (2008). 8 Key Gender Concepts, 44(2), 141–149. <https://doi.org/1330-9862>
- Welty, J.R., Wicks, C.E., Wilson, R.E., Rorrer, G., 2005, “Fundamentals of Momentum, Heat and Mass Transfer”, 4 ed., p. 421.451, John Willey & Sons, Inc., New York.
- Yaws, L, C. (2003). Yaws’ handbook of thermodynamic and physical properties of chemical compounds : physical, thermodynamic and transport properties for 5,000 organic chemical compounds. *Knovel*. <https://doi.org/10.1029/2010JA015942>
- 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 Publising Company, Tokyo.