

DAFTAR PUSTAKA

- Amalia, I., Amalia, I. W., Nurnanda, D., Hendrianie, N., & Darmawan, R. (2020). Proses Pembuatan Asam Sitrat dari Molasses dengan Metode Submerged Fermentation. *Jurnal Teknik ITS*, 8(2), F145–F149. <http://ejurnal.its.ac.id/index.php/teknik/article/view/45960%0Ahttps://ejurnal.its.ac.id>
- Amenaghawon, N. A., dan Aisien, F. A. (2012). Modelling and Simulation of Citric Acid Production from Corn Starch Hydrolysate Using *Aspergillus Niger*. *Environment and Natural Resources Research*, 2(1).
- Anastassiadis, S., Morgunov, I., Kamzolova, S. & Finogenova, T. (2008). Citric Acid Production Patent Review. *Recent Pat. Biotechnol.*, 2 (2), 107–123.
- Anonim. (n.d.). Acid from Recombinant *E. coli* BL21 (DE3): Comparison between Shake Flask and Benchtop.
- Anonim. (n.d.). Bioreactor Fermentation. *Journal of Physics : Conference Series*, 1529, 052073. [10.1088/1742-6596/1529/5/052073](https://doi.org/10.1088/1742-6596/1529/5/052073)
- AONG Manager. (2016). Storage Tanks Types.
- Aries, R. S. dan Newton, R. D. (1955). Chemical Engineering Cost Estimation. New York, McGraw-Hill.
- Badan Pusat Statistik. (2020). Retrieved November 27, 2021, from <https://www.bps.go.id/exim>
- Bank Indonesia. (2022). Kurs Transaksi Bank Indonesia. Retrieved June 6, 2022, from <https://www.bi.go.id/statistik/informasi-kurs/transaksi-bi/default.aspx>
- Bappeda Provinsi Lampung. (2020). RKPD Provinsi Lampung Tahun 2021. Retrieved November 21, 2021, from <http://bappeda.lampungprov.go.id/>
- Barata. (2008). Portofolio Spherical Tanks.
- Berovic, M., & Legisa, M. (2007). Citric acid production. *Biotechnology Annual Review*, 13(7), 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., & Schneidewind, C. (1950). Unit Operation. New York ,John Wiley and Sons, Inc.

Brownell, L. E dan Young, E. H. (1959). Equipment Design. New York, John Willey & Sons, Inc.

Chisti, Y. (2013). Basic Biotechnology: Bioreactor Design.

Couper, J., Penney, R., Fair, J. & Walas, S. (2012). Chemical Process Equipment : Selection and Design, 1. Elsevier.

Crowl, D. A dan Louvar, J. F. (2002). Chemical Process Safety. New Jersey, Prentice Hall.

Crueger, W. dan Crueger, A. (1990). Biotechnology: A Textbook of Industrial Microbiology.

Data Bridge Market Research. (2019). Global Citric Acid Market is Growing at a Significant Rate in the Forecast Period 2019-2026. Retrieved November 22, 2021, from <https://www.databridgemarketresearch.com/news/global-citric-acid-market>

Doran, P. (1995). Bioprocess Engineering Principles. New York, Elsevier.

Engineering Topics. (2021). Above ground Storage Tanks.

Evans, F. L. (1980). Equipment Design Handbook. Tokyo, Gulf Publishing Company.

Evival, R. (2018). Perkebunan Tebu.

Foamglas. (2019). Spherical storage tanks.

Gabelman, A. (2017). Adsorption Basics: Part 2. *Chem. Eng. Prog.*, 113 (8), 1–6.

Grand View Research. (2018). Citric Acid Market Size, Share & Trends Report Citric Acid Market Size, Share & Trends Analysis Report By Form (Liquid, Powder), By Application (Pharmaceuticals, F&B), By Region, Competitive Landscape, And Segment Forecasts, 2018 - 2025. Retrieved November 21, 2021, from <https://www.grandviewresearch.com/industry-analysis/citric-acid-market>

GSC Tanks. (2018). Top 6 Differences between the Above Ground Storage Tank and Under Ground Storage Tank.

Herman, A. dan Jeffress, C. (2000). Process Safety Management (PSM). Washington, D.C.: OSHA.

IMHOFF Tank-Technik. (2021). The advantages of Floating Roof Technology.

Kemenperin. (2015). Rencana Induk Pembangunan Industri Nasional 2015-2035. *Pusat Komunikasi Publik Kementerian Perindustrian*.

Kemenperin. (2016). Retrieved November 21, 2021, from <https://kemenperin.go.id/direktori-perusahaan?what=gula&prov=18>

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

Khattaby, M. (2004). The Use of New Asorption Energy. *Tesca*, 30 (2), 69–88.

Kusuma, G. A., Antara, N. S., & Suwariani, N. P. (2019). Fermentasi Produksi Asam Sitrat menggunakan Aspergillus Niger ATCC 16404 dengan Substrat Hidrolisat Cair Limbah Padat Industri Brem. *Jurnal Rekayasa Dan Manajemen Agroindustri*, 7(4), 615. <https://doi.org/10.24843/jrma.2019.v07.i04.p13>

Marti, J. J., Jefferson, A., Cai, X. P., Richert, C., McMurry, P. H., & Eisele, F. (1997). H₂SO₄ Vapor Pressure Of Sulfuric Acid And Ammonium Sulfate Solutions. *Journal of Geophysical Research*, 102, 3725-3736. 10.1029/96JD03064

Matches. (2014). Retrieved June 4, 2022, from <http://www.matche.com/equipcost/EquipmentIndex.html>

Material Safety Data Sheet.

McGraw-Hill Higher Ed. (2002). Retrieved June 4, 2022, from <http://www.mhhe.com/engcs/chemical/peters/data/ce.html>

Merritt, C. (2016). Process Steam Systems. New Jersey, John Willey & Sons, Inc.

Nuningtyas, Y. F., Ndaru, P. H., & Huda, A. N. (2019). Pengaruh Perbedaan Molases Sebagai Penyusun Urea Molases Blok (UMB) Terhadap Kualitas Fisik Pakan. *Jurnal Nutrisi Ternak Tropis*, 2(1), 70–74. <https://doi.org/10.21776/ub.jnt.2019.002.01.8>

Pamudji, A.S. dan Rachmadani, S. (2009). Pabrik Asam Sitrat dari Molasses dengan Menggunakan Proses Submerged Fermentasi dengan Menggunakan Bakteri *Aspergillus Niger*.

Pemerintah Kabupaten Lampung Tengah. (2021). Retrieved November 21, 2021, from <https://web.lampungtengahkab.go.id/>

Peters, S. (2017). Mixing Tank Geometry: It's All About That Base.

Peters, M. S. dan Timmerhaus, K. D. (1991). Plant Design and Economics for Chemical Engineers, (4). Singapura, McGraw-Hill.

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

Perry, R. H. (1999). Perry's Chemical Engineer's Handbook 7th ed., 2.37-2.38. New York, McGraw-Hill Book Company.

Perry, R. H. (2008). Perry's Chemical Engineer's Handbook 8th ed. New York, McGraw-Hill Book Company.

Pham, C. B., Marquez, R. B., & Guzman, J. T. D. (1995). Submerged Batch Fermentation of Citric Acid Production Using *Aspergillus niger* : Optimization and Kinetic Modelling.

Plant Cost Index. (2021). Retrieved June 4, 2022, from <https://www.chemengonline.com/site/plant-cost-index/>

Powell, S. T. (1954). Water Conditioning for Industry 1st ed. Tokyo, Mc Graw Hill Book Co.

Prasetyo, A. A. (2021). Proses Pembuatan Hopper Dan Penampung Pada Mesin Pencetak Pelet.

PubChem. (n.d.). Citric Acid. Retrieved November 22, 2021, from <https://pubchem.ncbi.nlm.nih.gov/compound/Citric-acid>

Reports and Data. (2020). Citric Acid Market Size, Share, Trends By Form (Anhydrous, Liquid) By Function (Acidulant, Preservative, Antioxidant, Flavoring Agent), By End-Use (Food and Beverage, Pharmaceuticals, Personal Care, Others), And Segment, Global Forecasts, 2016-2027. Retrieved November 23, 2021, from <https://www.reportsanddata.com/report-detail/citric-acid-market>

Reynolds, T. D. dan Richards, P. A. (1996). Unit Operations and Processes in Environmental Engineering. *PWS Ser. Eng.*

Richardson, J. F. dan Harker, J. H. (2002). Coulson and Richardson's Chemical Engineering Vol 2, *Butterworth Heinemann*, 2.

Rodzri, N., Zain, W., Hanapiah, R., Samah, A., Rozaimi, & Illias, R. (2020). D-Xylonic.

Senan, S., Malik, R. K., & Vij, S. (2012). Food and Industrial Microbiology.

Shafiquzzaman, M., Mishima, I., & Nakajima, J. (2008). Arsenic Removal from Ground Water by Sand Filtration during Biological Iron Oxidation, *Japanese J. Water Treat. Biol.*, 44 (1), 11–20.

Sinnott, R. K. (1983). Coulson & Richardson's Chemical Engineering Series : Chemical Engineering Design. *Chemical Engineering*, 6(4). Elsevier Butterworth-Heinemann, Oxford.

Smith, J. M., Ness, H. C. V., & Abbott, M. M. (2001). Chemical Engineering Thermodynamics 6th ed., 635-636. New York, Mc Graw Hill.

SNI. (1987). Asam sitrat teknis.

Standiford, F. C. (2019). Evaporation, *Kirk-Othmer Encycl. Chem. Technol.*, 1, 105–112.

Stapleton, P. dan Glover, M. (2001). Environmental Management Systems: An Implementation Guide for Small and Medium-Sized Organizations Environmental Policy Management Review Continual Planning Checking / Corrective Action Implementation. Michigan, NSF.

Tan, C. H., Nomanbhay, S., & Shamsuddin, A. H. (2021). Recent Progress in Harvest and Recovery Techniques of Mammalian and Algae Cells for Industries. *Indian J Microbiol*, 61, 279–282. <https://doi.org/10.1007/s12088-021-00930-w>

Tanks, S. (1971). Control of Atmospheric Emissions From Petroleum Storage Tanks. *Journal of the Air Pollution Control Association*, 21(5), 260–268. <https://doi.org/10.1080/00022470.1971.10469526>

Toyo Kanetsu K. K. (2021). Perlite Insulated Double Shell Vertical Tank & Horizontal Tank.

Towler, G., dan Sinnott, R. (2013). Principle, Practice and Economics of Plant and Process Design. *Journal of Chemical Information and Modeling*, 53(9).

Treybal, R. E. (1981). Mass-Transfer Operations, Int.ed., 139-210. Singapore, McGraw-Hill Book Company.

Ulrich G. D. (1984). A Guide to Chemical Engineering Process Design and Economics. New York, John Wiley & Sons, Inc.

Vandenbergh, L. P. S., Soccol, C. R., Pandey, A., & Lebeault, J. M. (1999). Microbial Production of Citric Acid. *Brazilian Archives of Biology and Technology*, 42(3). <https://doi.org/10.1590/S1516-89131999000300001>

Wankat, P.C. (1991) Adsorption Engineering. *React. Polym.*, 14, [https://doi.org/10.1016/0923-1137\(91\)90043-n](https://doi.org/10.1016/0923-1137(91)90043-n)

Yaws, C. L. (1999). The Yaws Handbook of Vapor Pressure : Antoine Coefficients, 80-534. Oxford, Elsevier.

Young, E. H., dan Brownell, L. E. (1979). Process Equipment Design. New York, John Wiley and Sons, Inc.

Zwirner Equipment Company. (2014). 5 Advantages of Vertical Storage Tanks.

Zwirner Equipment Company. (2018). 5 Key Advantages of Horizontal Storage Tanks.