

DAFTAR PUSTAKA

- Amalia, I., Amalia, I.W., Nurnanda, D., Hendrianie, N. and Darmawan, R., 2020, Proses Pembuatan Asam Sitrat dari Molasses dengan Metode Submerged Fermentation, J. Tek. ITS, 8 (2), F145–F149.
- Anastassiadis, S., Morgunov, I., Kamzolova, S. and Finogenova, T., 2008, Citric Acid Production Patent Review, Recent Pat. Biotechnol., 2 (2), 107–123.
- Aries, R.S. and Newton, R.D., 1955, Chemical Engineering Cost Estimation, J. Franklin Inst.
- Badan Pemeriksa Keuangan Republik Indonesia., 2022, Tok! UMP Lampung 2022 Ditetapkan Rp2.440.486,18, available at: <https://lampung.bpk.go.id/tok-ump-lampung-2022-ditetapkan-rp2-440-48618/#:~:text=UMP Lampung 2022 Ditetapkan Rp2,18 %7C BPK Perwakilan Provinsi LAMPUNG> (accessed 5 June 2022).
- Badan Pusat Statistik., 2009-2020, Buletin Statistik Perdagangan Luar Negeri Desember 2009, Badan Pus. Stat. Indones., (December).
- Berovic, M. and Legisa, M., 2007, Citric Acid Production, Biotechnol. Annu. Rev., 13 (07), 303–343.
- Bisnis.com., 2013, PT. Budi Acid Jaya Stop Produksi Asam Sitrat Akibat Kalah Saing, available at: <https://market.bisnis.com/read/20130321/192/4574/budi-acid-jaya-setop-produksi-asam-sitrat-akibat-kalah-saing> (accessed 19 November 2021).
- Brown, G.G., Foust, A.S., Katz, D.L., Schneidewind, R., White, R.R., Wood, W.P., Brown, G.M., et al., 1950, Unit Operation, CBS Publishers & Distribution, New Delhi.
- Brownell, L.E. and Young, E.H., 1959b, Process Equipment Design, John Wiley & Sons, Inc., available at: <https://doi.org/10.1002/9780470118849.ch4>.
- Chemical Book., 2021, Molasses, available at: https://www.chemicalbook.com/ChemicalProductProperty_EN_CB8854960.htm (accessed 30 November 2021).
- Darouneh, E., Alavi, A., Vosoughi, M., Arjmand, M. and Rajabi, R., 2009, Citric acid production: Surface culture versus submerged culture, African J. Microbiol. Res., 3 (9), 541–545.

- Expert Market Research., 2021, Global Citric Acid Market: By Form: Anhydrous, Liquid; By Application: Food and Beverages, Household Detergents and Cleaners, Pharmaceuticals; Regional Analysis; Historical Market and Forecast (2017-2027); Market Dynamics; Project Requirements and Cost An, available at: <https://www.expertmarketresearch.com/reports/citric-acid-market> (accessed 19 November 2021).
- Favela-Torres, E., Cordova-López, J., García-Rivero, M. and Gutiérrez-Rojas, M., 1998, Kinetics of growth of *Aspergillus niger* during submerged, agar surface and solid state fermentations, *Process Biochem.*, 33 (2), 103–107.
- Foynes co., 2013, MSDS of Sugar Cane Molasses, 353 (June), 0–2.
- Garcia, R.L., 2010, Citric Acid, *Encycl. Chem. Technol.*, available at: <https://doi.org/10.1002/0471238961.0309201802120109.a01.pub3>.
- Green, D.W. and Perry, R.H., 2008, *Perry's Chemical Engineers' Handbook*, edited by Green, D.W., Eight Edit., The McGraw-Hill Companies, Inc., available at: <https://doi.org/10.1036/0071422943>.
- Hebei Simel Import & Export Trading co., 2021, Factory Price Of Calcium Oxide Cas No: 1305-78-8 made in china.
- Industry ARC., 2020, Citric Acid Market - Forecast(2021 - 2026), available at: <https://www.industryarc.com/Report/7368/Citric-Acid-Market-Research-Report.html> (accessed 19 November 2021).
- Kementerian Pekerjaan Umum dan Perumahan Rakyat., 2020, Open Data PUPR, Ditjen Sumber Daya Air.
- Kern, D.Q., 1965, *Process Heat Transfer*, Process Heat Transf., McGraw-Hill Book Company, Inc., available at: <https://doi.org/10.1016/B978-0-12-373588-1.X5000-1>.
- Kirimura, K. and Yoshioka, I., 2019, Citric Acid, *Compr. Biotechnol.*, Third Edit., Vol. 3, Elsevier, available at: <https://doi.org/10.1016/B978-0-444-64046-8.00157-9>.
- Matches., 2014, Matche.com.
- McCabe, W.L., Smith, J.C. and Harriott, P., 1993, *Unit Operations of Chemical Engineering* 5th Edition.
- McCabe, W.L., Smith, J.C. and Harriott, P., 2005, *Unit Operations of Chemical*

Engineering 7th Edition.

McGraw Hill., 2022, MHHE.com.

Mech Content., 2020, Difference Between Fire Tube Boilers VS Water Tube Boilers, available at: [https://mechcontent.com/fire-tube-boiler-vs-water-tube-boiler/#:~:text=The main difference between Fire,heated by surrounding hot gases. \(accessed 20 June 2022\).](https://mechcontent.com/fire-tube-boiler-vs-water-tube-boiler/#:~:text=The main difference between Fire,heated by surrounding hot gases. (accessed 20 June 2022).)

Merck., 2022, Ammonium Sulfate, Sigmaaldrich.Com.

Miura America. (n.d.). Water Tube Boilers VS Fire Tube Boilers, available at: <https://miuraboiler.com/why-miura-water-tube-boilers-are-more-efficient-than-traditional-fire-tube-boilers/> (accessed 20 June 2022).

Mores, S., Vandenberghe, L.P. de S., Magalhães Júnior, A.I., de Carvalho, J.C., de Mello, A.F.M., Pandey, A. and Soccol, C.R., 2021, Citric acid bioproduction and downstream processing: Status, opportunities, and challenges, *Bioresour. Technol.*, Elsevier Ltd, 320, 124426.

Nemdili, L., Koutchoukali, O., Bouhelassa, M., Seidel, J., Mameri, F. and Ulrich, J., 2016, Crystallization Kinetics of Citric Acid Anhydrate, *J. Cryst. Growth*, 451 (September 2015), 88–94.

Palmonari, A., Cavallini, D., Sniffen, C.J., Fernandes, L., Holder, P., Fagioli, L., Fusaro, I., et al., 2020, Short communication: Characterization of molasses chemical composition, *J. Dairy Sci.*, American Dairy Science Association, 103 (7), 6244–6249.

Panjiva., 2021, Indonesian Manufacturers of Citric Acid and Suppliers of Citric Acid, available at: <https://panjiva.com/Indonesian-Manufacturers-Of/citric+acid> (accessed 28 November 2021).

Pazouki, M. and Panda, T., 1998, Recovery of Citric Acid - A Review, *Bioprocess Eng.*, 19 (6), 435–439.

Peraturan Menteri Lingkungan Hidup dan Kehutanan No. 6., 2021, Peraturan Menteri Lingkungan Hidup dan Kehutanan Republik Indonesia Nomor 6 Tahun 2021, Kementrian Lingkung. Hidup Dan Kehutan. Republik Indones., 1–301.

Perry, R.H. and Green, D.W., 1997, *Chemical Engineers' Handbook*.

PLN., 2021, *PLN Statistics 2020*.

- Powell, S.T., 1954, Water Conditioning for Industry, First.
- PT. All Property Media., 2022, Rumah.com.
- Pubchem., 2021, available at:<https://doi.org/10.1016/B978-0-12-386454-3.00990-8>.
- Qingdao Ocean View International Business Co., L., 2021, Citric Acid.
- ReAgent Chemicals., 2021, Sulphuric Acid 50% v/v.
- Retnaningtyas, A.Y., Hidayat, R.R., Widyasuti, W. and Winardi, S., 2020, Studi Awal Proses Fermentasi Pada Desain Pabrik Bioethanol dari Molases, Tek. ITS, 6 (1), 123–126.
- Richardson, J.F., Harker, J.H. and Backhurst, J.R., 2002, Coulson & Richardson's Chemical Engineering, Butterworth Heinemann, Ed. 5., Vol. 02, available at:<https://doi.org/10.1021/cen-v079n023.p063>.
- Schweizer Zucker AG co., 2013, MSDS of Beet Molasses, Schweizer Zucker AG, (1907), 110.
- Shanghai Jarred Industrial Co., L., 2021, Factory Price of Calcium Sulphate Dihydrate Powder $\text{CaSO}_4 \cdot 2\text{H}_2\text{O}$.
- Shanghai Yixin Chemical co., 2021, Best Quality Mkp 98% Mono Potassium Phosphate Chemical Formula KH_2PO_4 .
- Shimura, Y. and Taya, S., 1997, Oxygen scavenger and boiler water treatment chemical, Japan.
- Shuler, M.L., 1992, Bioprocess engineering: Basic concepts, J. Control. Release, 22 (3), 293.
- Sinnott, R., 2005, Coulson & Richardson's Chemical Engineering Series: Chemical Engineering Design, Volume 6., Elsevier Butterworth-Heinemann.
- Smith, J.M., 1950, Introduction to Chemical Engineering Thermodynamics, J. Chem. Educ., Vol. 27, available at:<https://doi.org/10.1021/ed027p584.3>.
- Soccol, C.R., Costa, E.S.F. da, Letti, L.A.J., Karp, S.G., Woiciechowski, A.L. and Vandenberghe, L.P. de S., 2017, Recent developments and innovations in solid state fermentation, Biotechnol. Res. Innov., Sociedade Brasileira de Biotecnologia, 1 (1), 52–71.
- Stapleton, P., Glover, M. and Davis, S., 2001, Environmental managment systems: an implementation guide for small and medium-sized organizations,

available at: <https://www.epa.gov/ems>.

Steimel, L.H., Emerson, J. and Balow, S.A., 2004, Modified Amine for Boiler Water Treatment.

Timorria, I.F., 2020, Harga Tetes Tebu Kian Mahal, Produsen MSG Kesulitan, available at: <https://ekonomi.bisnis.com/read/20200909/12/1289426/harga-tetes-tebu-kian-mahal-produsen-msg-kesulitan> (accessed 30 November 2021).

Towler, G. and Sinnott, R.K., 2013, Chemical Engineering Design - Principles, Practice and Economics of Plant and Process Design (2nd Edition), Elsevier.

Treybal, R.E., 1981, Mass Transfer Operations 3rd Edition.

Vatavuk, W.M., 2002, Updating the Cost Index, Chem. Eng., (January), 62–70.

Walas, S.M., 1990, Chemical Process Equipment (Butterworth-Heinemann Series in Chemical Engineering), edited by Brenner, H., Butterworth Heinemann.

Wiley, R.J., 2014, Layer of protection analysis, Procedia Eng., Elsevier B.V., 84, 12–22.

Woinaroschy, A., Nica, A., Ofiteru, I.D. and Lavric, V., 2010a, Kinetic Models for Citric Acid Production, Rev. Chim., 61 (10), 979–982.

Woinaroschy, A., Nica, A., Ofiteru, I.D. and Lavric, V., 2010b, Kinetic models for citric acid production, Rev. Chim., 61 (10), 979–982.

Yaws, C.L., 1999, Chemical Properties Handbook, McGraw-Hill, McGraw-Hill Companies Inc.