
DAFTAR PUSTAKA

- Alibaba. n.d. Diakses 8 Juni 2023. <https://www.alibaba.com/>
- Aalaei, K., Rayner, M. and Sjöholm, I., 2016. Storage stability of freeze-dried, spray-dried and drum-dried skim milk powders evaluated by available lysine. *LWT*, 73, pp.675-682.
- Aries, R. S. dan Newton, R. D., 1955, "Chemical Engineering Cost Estimation", McGraw-Hill, New York.
- Arla.com. 2022. "Arla inaugurates its biggest dairy investment to date to support growing global demand for affordable dairy nutrition" Diakses dari : (<https://www.arla.com/>)
- Badan Pusat Statistik. 2018. "Potensi Desa". Diakses dari (<https://www.bps.go.id/subject/168/potensi-desa.html>) pada 2 November 2022
- Badan Pusat Statistik. 2021. "Produksi Susu Segar menurut Provinsi (Ton)". Diakses dari (<https://www.bps.go.id/indikator/24/493/1/produksi-susu-segar-menurut-provinsi.html>) pada 2 November 2022
- Badan Pusat Statistik. 2021. "Penduduk dan Ketenagakerjaan". Diakses dari (https://www.bps.go.id/indikator/indikator/list_da_03/) pada 2 November 2022.
- Bank Indonesia, 2023, Diakses 8 Juni 2023 https://www.bi.go.id/id/publikasi/ruang-media/news-release/Pages/sp_2413622.aspx,.
- Brown, G.G. (1950). "Unit Operations", John Wiley and Sons, Inc., New York.
- Brownell, L.E. and Young, E.H. (1979). "Process Equipment Design", John Wiley and Sons, Inc., New York.
- Brunner, J.R. 1977. Milk proteins, In Food Proteins (ed. J.R. Whitaker and S.R. Tannenbaum), AVI Publishing Company, Inc., Connecticut, pp. 175-208.
- Buckle, K. A., R. E. Edards, G. H. Fleet and M. Wooton. 2007. Ilmu Pangan. UIPress. Jakarta.
- Chemengonline. 2023. 2023 CEPCI Updates: March (Preliminary) and Feb. (Final). Diakses tanggal 8 Juni 2023. <https://www.chemengonline.com/tag/cepci/>.
- Cheryan, M., 1986. *Ultrafiltration handbook*. Technomic Publishing Co. Inc..
-

-
- Coulson, J.M. and Richardson, J.F. 1983. Chemical Engineering, Vol.6. Pergamon Press, Oxford
- Crowl, Daniel A. dan Louvar, Joseph F. (2002). *Chemical Process Safety*. Upper Saddle River : Prentice Hall Inc.
- Danviriyakul, S., McClements, D.J., Decker, E., Nawar, W.W. and Chinachoti, P., 2002. Physical stability of spray-dried milk fat emulsion as affected by emulsifiers and processing conditions. *Journal of Food Science*, 67(6), pp.2183-2189.
- Desobry, S.A., Netto, F.M. and Labuza, T.P., 1997. Comparison of spray-drying, drum-drying and freeze-drying for β -carotene encapsulation and preservation. *Journal of Food Science*, 62(6), pp.1158-1162.
- De Wit, J.N., 1998. Nutritional and functional characteristics of whey proteins in food products. *Journal of dairy science*, 81(3), pp.597-608.
- Dhungana, P., Truong, T., Palmer, M., Bansal, N. and Bhandari, B., 2017. Size-based fractionation of native milk fat globules by two-stage centrifugal separation. *Innovative Food Science & Emerging Technologies*, 41, pp.235-243.
- Evans, F.L., 1980, "Equipment Design Handbook", Gulf Publishing Company, Tokyo
- Foroutan, A., Guo, A.C., Vazquez-Fresno, R., Lipfert, M., Zhang, L., Zheng, J., Badran, H., Budinski, Z., Mandal, R., Ametaj, B.N. and Wishart, D.S., 2019. Chemical composition of commercial cow's milk. *Journal of agricultural and food chemistry*, 67(17), pp.4897-4914.
- Foodprocessing-technology.com. 2022. "Projects" Diakses dari : (<https://www.foodprocessing-technology.com/projects/>)
- Fox, P.F. and McSweeney, P.L.H. 1998. Dairy Chemistry and Biochemistry. Blackie Academic & Professional, London.
- Ganiswara, 1995, Farmakologi Dan Terapi, Edisi IV, UI, Jakarta.
- Gut, J.A. and Pinto, J.M., 2003. Selecting optimal configurations for multisection plate heat exchangers in pasteurization processes. *Industrial & engineering chemistry research*, 42(24), pp.6112-6124.
-

-
- Hakk, H., Shappell, N.W., Lupton, S.J., Shelver, W.L., Fanaselle, W., Oryang, D., Yeung, C.Y., Hoelzer, K., Ma, Y., Gaalswyk, D. and Pouillot, R., 2016. Distribution of animal drugs between skim milk and milk fat fractions in spiked whole milk: Understanding the potential impact on commercial milk products. *Journal of agricultural and food chemistry*, 64(1), pp.326-335.
- Hall, C.W., 1988. HANDBOOK OF INDUSTRIAL DRYING: Arun S. Mujumdar, Editor Marcel Dekker, Inc. New York and Basel, 948 p. 1987. *Drying Technology*, 6(3), pp.571-573.
- Holman, J. P., & White, P. R. S., (1992). “*Heat transfer*”, McGraw-Hill., London.
- Indumathy, M., Sobana, S. and Panda, R.C., 2021. Modelling of fouling in a plate heat exchanger with high temperature pasteurisation process. *Applied Thermal Engineering*, 189, p.116674.
- Jatim.bps.go.id. 2022. “Jumlah Penduduk Menurut Jenis Kelamin dan Kabupaten/Kota Provinsi Jawa Timur (Jiwa)” Diakses dari : (<https://jatim.bps.go.id/indicator/12/375/1/jumlah-penduduk-provinsi-jawa-timur.html>)
- Jean, K., Renan, M., Famelart, M.H. and Guyomarc’h, F., 2006. Structure and surface properties of the serum heat-induced protein aggregates isolated from heated skim milk. *International dairy journal*, 16(4), pp.303-315.
- Johansen Crosby, E., 1989. SPRAY DRYING HANDBOOK: K. Masters Longman Group Ltd Harlow, Essex 710 pp. *Drying Technology*, 7(2), pp.419-425.
- Jovanovic S, Barac M, Macej O, Vucic T, & Lacnjevac C. 2007. SDS-PAGE analysis of soluble proteins in reconstituted milk exposed to different heat treatments. *Sensors* 7: 371-383
- Kailasapathy, K. (2015). Chemical Composition, Physical, and Functional Properties of Milk and Milk Ingredients. *Dairy Processing and Quality Assurance*, 77–105. doi:10.1002/9781118810279.ch04
- Kapel, R., Klingenberg, F., Framboisier, X., Dhulster, P. and Marc, I., 2011. An original use of size exclusion-HPLC for predicting the performances of batch
-

-
- ultrafiltration implemented to enrich a complex protein hydrolysate in a targeted bioactive peptide. *Journal of membrane science*, 383(1-2), pp.26-34.
- Kern, D. Q. (1965). *Process Heat Transfer*. McGraw-Hill Book Company. Japan Kirk, R. E., Othmer, D. F., Grayson, M., & Eckroth, D. (1985). *Kirk-Othmer Concise encyclopedia of chemical technology*. New York: Wiley.
- Kim, E.H.J., Chen, X.D. and Pearce, D., 2009. Surface composition of industrial spray-dried milk powders. 2. Effects of spray drying conditions on the surface composition. *Journal of Food Engineering*, 94(2), pp.169-181.
- Laval, A. and Pak, T., 1995. Dairy processing handbook. *Tetra Pak Processing Systems AB, Lund, Sweden*.
- Lehmann, H. R. and Zettier, K.-H. (1987). *Separators for the dairy industry*, Technical scientific documentation No.7, 3rd rev. edn, Westfalia Separator AG, Oelde, Germany.
- Masters, K., 1985. Spray drying handbook. *Spray drying handbook*.
- Matches, 2014, <http://www.matche.com/equipcost/EquipmentIndex.html>, diakses pada 8 Juni 2022.
- McGraw-Hill Higher Ed, 2002, <http://www.mhhe.com/engcs/chemical/peters/data/ce.html>, diakses pada 8 Juni 2023.
- Mohamed, M.M.B., 2010. *Isolation Of β -Lactoglobulin and α -Lactalbumin From Whey* (Doctoral dissertation, Universiti Malaysia Pahang).
- Mistry, V.V., 2002. Manufacture and application of high milk protein powder. *Le Lait*, 82(4), pp.515-522.
- Mistry, V.V. and Hassan, H.N., 1991. Delactosed, high milk protein powder. 1. Manufacture and composition. *Journal of dairy science*, 74(4), pp.1163-1169.
- Mistry, V.V. and Hassan, H.N., 1991. Delactosed, high milk protein powder. 2. Physical and functional properties. *Journal of dairy science*, 74(11), pp.3716-3723.
- Occupational Safety and Health Act. (2000). *Process Safety Management*. U.S. Department of Labor.
-

-
- Nagington, J., Walker, J., Gandy, G. and Gray, J.J., 1983. Use of normal imunoglobulin in an echovirus 11 outbreak in a special-care baby unit. *The Lancet*, 322(8347), pp.443-446.
- Parker, G. and Brotchie, H., 2011. Mood effects of the amino acids tryptophan and tyrosine: 'Food for Thought' III. *Acta Psychiatrica Scandinavica*, 124(6), pp.417-426.
- Peraturan Menteri Negara Lingkungan Hidup No. 03 Tahun 2010 tentang Baku Mutu Air Limbah bagi Kawasan Industri.
- Peraturan Pemerintah Nomor 101 tahun 2014 tentang Pengolahan Limbah Bahan Berbahaya dan Beracun.
- Peraturan Pemerintah Republik Indonesia No. 41 Tahun 1999 tentang Pengendalian Pencemaran Udara.
- Perry, R. H., & Green, D. W. (2008). *Perry's chemical engineers' handbook*. New York: McGraw-Hill Book Company.
- Phadungath, C., 2005. Casein micelle structure: a concise review. *Songklanakarin Journal of Science and Technology*, 27(1), pp.201-212.
- Pouliot, M., Pouliot, Y. and Britten, M., 1996. On the conventional cross-flow microfiltration of skim milk for the production of native phosphocaseinate. *International Dairy Journal*, 6(1), pp.105-111.
- Rajagopalan, N. and Cheryan, M., 1991. Total protein isolate from milk by ultrafiltration: factors affecting product composition. *Journal of dairy science*, 74(8), pp.2435-2439.
- Schreiber, R., 2001. Heat-induced modifications in casein dispersions affecting their rennetability. *International Dairy Journal*, 11(4-7), pp.553-558.
- Selvamuthukumar, M. ed., 2019. *Handbook on spray drying applications for food industries*. CRC Press.
- Sinnott, R. K., (1983). *Coulson & Richardson's Chemical Engineering Series : Chemical Engineering Design*, Chemical Engineering vol. 6 4th ed., Elsevier Butterworth- Heinemann, Oxford.
-

-
- Tolstoguzov, V.B., 1986. Functional properties of protein-polysaccharide mixtures. *Functional properties of food macromolecules*, pp.385-415.
- Ulrich G.D., 1984, "A Guide to Chemical Engineering Process Design and Economics", John Wiley & Sons, Inc., New York.
- Walstra, P., Wouters, J. T. M., & Geurts, T. J. (2006). Dairy science and technology (2nd ed.). Amsterdam: CRC Press Taylor & Francis Group
- Pasuruankab.bps.go.id. 2021. "Angka Tingkat Pengangguran Terbuka (TPT) dan Tingkat Partisipasi Angkatan Kerja (TPAK) Tahun 2017 - 2021" Diakses dari : (<https://pasuruankab.bps.go.id/statictable/2021/12/20/468/angka-pengangguran-tpt-dan-tpak-series-2017-2021.html>)
- Pasuruankab.bps.go.id. 2022. "Gambaran Umum Kabupaten Pasuruan 2022" Diakses dari : (<https://www.pasuruankab.go.id/pages-29-gambaran-umum-kabupaten-pasuruan-2022>)
- Pouliot, M., Pouliot, Y. and Britten, M., 1996. On the conventional cross-flow microfiltration of skim milk for the production of native phosphocaseinate. *International Dairy Journal*, 6(1), pp.105-111.
- Wallas, S.M. (1990). *Chemical Process Equipment*, Butterworth-Heinemann Washington.
- Yaws, C. L. (2006). *The yaws handbook of thermodynamic properties for hydrocarbons and chemicals*. Gulf Pub.
- Yee, K.W., Wiley, D.E. and Bao, J., 2007. Whey protein concentrate production by continuous ultrafiltration: Operability under constant operating conditions. *Journal of Membrane Science*, 290(1-2), pp.125-137.
-