

DAFTAR PUSTAKA

A. Loshchev, C. Cardona, and Y.A. Pisarenko, 2010, "Degrees of freedom Analysis for a Distillation Column", *Theor. Found. Chem. Eng.*, Vol.44 (5), pp. 686–697.

F. G. Shinskey, 1991, *Process Control Systems: Application, Design and Tuning*, McGraw-Hill, Inc., New York.

Fakhroeslam, Mohammad, and Sadrameli, Seyed Mojtaba, 2020, "Thermal Cracking of Hydrocarbons for the Production of Light Olefins; A Review on Optimal Process Design, Operation, and Control", *Ind. Eng. Chem. Res.*, Vol 59, pp. 88–103.

H.J Qestha, S., Abuyahya, P. Pal and F., Banat, 2015, "Sweetening Liquified Petroleum Gas (LPG): Sensitivity Analysis using ASPEN HYSYS", *J. Nat. Gas. Sci. Eng.*, Vol. 25, pp. 1011–1017.

Hanley, Brian, et.all. , 2016, *Column Analysis in Aspen Plus® and Aspen HYSYS®: Validation with Experimental and Plant Data*, ASPEN Technology Inc., United States.

Huang, D., and Luo, X.-L, 2018, "Process Transition Based on Dynamic Optimization with the Case of a Throughput-Fluctuating Ethylene Column", *Ind. Eng. Chem. Res.*, Vol. 57, pp. 292–302.

J. Duffy, Argus, UK and P. Morse, Argus, "Asia and Europe Join the Feedstock Evolution with Steam Crackers", *Hydrocarbon Processing*, April 2018, Gulf Publishing Company Houston, Texas.

Kementrian Perindustrian Republik Indonesia, 2014, *Profil Industri Petrokimia Hulu*, Kementrian Perindustrian Republik Indonesia.

Kessler, D.P. and Wankat, P.C., 1988 , "Correlations for Column Parameters", *Chem Eng*, vol. 71, pp.71-84.

Kirk, and Othmer, *Encyclopedia of Chemical Technology*, 1988, 4th Ed., John Willey and Sons, New York.

Kister, H.Z. and Haas, J.R., 1990, "Predict Entrainment Flooding on Sieve and Valve Trays", *Chem Eng Prog*, vol. 86, pp. 63-75.

Kister, Henry Z., 1992, *Distillation Design*, Brown and Root Braun, California.

Ludwig, E.E., 1979, *Applied Process Design for Chemical and Petrochemical Plants*, 2nd ed., vol. 2, Gulf Publishing Company, Texas.

Lummus Technology and CB&I Company, 2012, *Basic Engineering Package for Chandra Asri Petrochemical ECC Expansion Project*, Kementrian Perindustrian Republik Indonesia.

Miresmaeil, Masoumi., Mohammad, Shahrokhi., Mojtaba, Sadrameli., and Jafar, Towfighi, 2006, "Modeling and Control of a Naphtha Thermal Cracking Pilot Plant", *Ind. Eng. Chem. Res.*, Vol. 45, 3574-3582.

Nilasary, Hanida, 2018, *Evaluasi Sub-Proses Purifikasi pada Produksi Polipropilena akibat Perubahan Kapasitas dan Komposisi Umpan*, Tesis Program Magister, Institut Teknologi Bandung.

P. Földes, and I. Nagy, 1966, "Degrees of freedom in the control of distillation columns: general considerations", *Periodica Polytech. Chem. Eng.*, Vol.10 (2), pp. 197-208.

Perry, Robert H., Green, Don H., 1999, *Perry's Chemical Engineering Handbook*, 7th Edition, Mc-Graw Hill, New York, Section 13. Distillation.

PT Chandra Asri Petrochemical Tbk, *Production Flow PT Chandra Asri Petrochemical Tbk*; <https://www.chandra-asri.com/our-business/production-flow>, (diakses pada 12 Maret 2021).

Ren, T., Patel, M., and Blok, K., 2006, "Olefins from Conventional and Heavy Feedstocks: Energy Use in Steam Cracking and Alternative Processes", *Energy*, Vol.31, pp. 425-451.

Schaschke, Carl. , 2014, *A Dictionary of Chemical Engineering*, Oxford University Press, England.

Stichlmair, J.G. and Fair, J.R., 1998, *Distillation Principles and Practice*, Chap 2. Wiley-VCH, New York.

W. L. Luyben, 1989, *Process Modeling, Simulation and Control for Chemical Engineers*, McGraw-Hill Higher Education, New York, 1989.

W. L. Luyben, 2013, *Distillation design and control using Aspen simulation* John Wiley & Sons, New York.

Wood MacKenzie, 2019, *Ethylene Global Supply Demand Analytics Service*, <https://www.woodmac.com/news/editorial/ethylene-global-supply-demandanalytics-service/>, (diakses pada 12 Maret 2021).

X.S. Wu, Z.W. Wang, 2002, "Process improvement of chilling separate system in Ethylene Plant", *Chem. Ind. Eng. Process*, Vol. 21, pp. 763–765.

Xu, S.X., Winfield, C. and Bowman, J.D., 1998, "Proper Analysis and Operating Adjustments Help Boost Separation Capacity without Increasing Flooding", *Chem Eng.*, Vol. 23 pp. 100- 111.

Yadav, Eadala Sarath, Indiran, Thirunavukkarasu, Nayak, Dayananda, and Kumar, CHVB Aditya, 2020, "Simulation Study of Distillation Column using Aspen plus", *Mat. Pr.*, Vol. 29, pp. 60-69.