

DAFTAR PUSTAKA
www.itk.ac.id

Adams, T. A. (2018), *Learn Aspen Plus in 24 Hours*, McGraw-Hill Education, New York.

Al-Malah, K. I. M. (2017), *Aspen Plus Chemical Engineering Applications*. John Wiley & Sons, Inc, Canada.

Andreatta, A. E., Charnley, M. P., dan Brennecke, J. F. (2015), "Using Ionic Liquids to Break the Ethanol-Ethyl Acetate Azeotrope", *ACS Sustainable Chemistry and Engineering*, Vol. 3, No. 12, hal. 3435–3444.

Bala, P. K. (2015), *Steady State Simulation of Extractive Distillation System Using Aspen Plus*, Thesis, National Institute of Technology Rourkela, Rourkela.

Behera, M. (2010), *Vapor Liquid Equilibrium Modeling Using UNIFAC Group Contribution Method and Its Application In Distillation Column Design and Steady State Simulation*, Thesis, National Institute of Technology Rourkela, Rourkela.

Botia, D. C., Riveros, D. C., Ortiz, P., Gil, I. D., dan Sainchez, O. F. (2010), "Vapor-Liquid Equilibrium in Extractive Distillation of the Acetone/Methanol System Using Water as Entrainer and Pressure Reduction", *Industrial and Engineering Chemistry Research*, Vol. 49, No. 13, hal. 6176–6183.

Chai, T., dan Draxler, R. R. (2014), "Root Mean Square Error (RMSE) or Mean Absolute Error (MAE)-Arguments Against Avoiding RMSE in the Literature", *Geoscientific Model Development*, Vol. 7, No. 3, hal. 1247–1250.

Dong, Y., Guo, Y., Zhu, R., Zhang, J., dan Lei, Z. (2020), "UNIFAC Model for Ionic Liquids. 2. Revision and Extension", *Industrial & Engineering Chemistry Research*, Vol. 59, No. 21, hal. 10172–10184.

Dortmund Data Bank. Thermophysical Data for Process Design. [online] tersedia di : <http://www.ddbst.com/en/EED/VLE/VLE%20Ethanol%3BEthyl%20acetate.php> [diakses pada 19 Februari 2020].

Dortmund Data Bank. Thermophysical Data for Process Design. [online] tersedia

di : <http://www.ddbst.com/en/EED/VLE/VLE%20Ethyl%20acetate%3BWater.php> [diakses pada 19 Februari 2020].

Edwards, J. E. (2008), *Process Modelling Selection of Thermodynamic Methods*, P&I Design Ltd, Billingham.

Gutierrez Hernandez, J. P. (2013), *Extractive Distillation with Ionic Liquids as Solvents: Selection and Conceptual Process Design*, Thesis, Eindhoven University of Technology, Netherlands.

Lam, S. Y., dan Benoit, R. L. (1974), "Some Thermodynamic Properties of the Dimethylsulfoxide-Water and Propylene Carbonate-Water Systems at 25°C", *Canadian Journal of Chemistry*, Vol. 52, No. 5, hal. 718–722.

Li, R., Cui, X., Zhang, Y., Feng, T., dan Cai, J. (2012), "Vapor-Liquid Equilibrium and Liquid-Liquid Equilibrium of Ethyl Acetate + Ethanol + 1-Ethyl-3-methylimidazolium Acetate", *Journal of Chemical and Engineering Data*, Vol. 57, No. 3, hal. 911–917.

Ma, S., Shang, X., Li, L., Song, Y., Pan, Q., dan Sun, L. (2019), "Energy-Saving Thermally Coupled Ternary Extractive Distillation Process Using Ionic Liquids as Entrainer for Separating Ethyl Acetate-Ethanol-Water Ternary Mixture", *Separation and Purification Technology*, Vol. 226, hal. 337–349.

Ma, S., Shang, X., Li, L., Xue, C., Li, J., dan Sun, L. (2019), "Design, Optimization and Control of Extractive Distillation for Separation of Ethyl Acetate-Ethanol-Water Mixture Using Ionic Liquids". *China Petroleum Processing and Petrochemical Technology*, Vol. 21, No. 1, hal. 123–132.

Mahdi, T., Ahmad, A., Nasef, M. M., dan Ripin, A. (2014), "State-of-the-art Technologies for Separation of Azeotropic Mixtures". *Separation and Purification Reviews*, Vol. 44, No. 4, hal. 308–330.

Makarov, D. M., Egorov, G. I., Markarian, S. A., dan Kolker, A. M. (2016), "Excess Gibbs Energy and Local Compositions in the Mixtures C₂, C₃ Alkane Diols and Triols with Water at Various Pressures", *Journal of Solution Chemistry*, Vol. 45, No. 12, hal. 1679–1688.

Martinez, M. E. B. (2019), *Comparative Analysis of Extractive Distillation and Pressure Swing for Different Azeotropic Mixtures*, Thesis, University of Barcelona, Barcelona.

Mohammed, G. A., Abdullah, M. O., dan Kashmoula, T. B. (2011), "Vapor-Liquid-Liquid Equilibrium (VLLE) Data for the Systems Ethyl acetate + Water, Toluene + Water and Toluene + Ethyl acetate + Water at 101.3 kPa. Using Modified Equilibrium Still", *Iraqi Journal of Chemical and Petroleum Engineering*, Vol. 12, No. 3, hal. 1–10.

Oh, I.K., Rajesh, K., Stanton, F.J., dan Baiz, R.C. (2017), "Quantifying Hydrogen-Bond Populations in DMSO/Water Mixtures", *Angewandte Chemie*, Vol.56, No.38, hal. 11375-11379.

Pattanaik, B. N., dan Mandalia, H. C. (2011), "Ethyl Acetate: Properties, Production Processes and Applications - A Review", *International Journal of Current Research and Review*, Vol. 3, No. 12, hal. 23–40.

Prihardini, D. A., dan Dewi, I. (2016), *Evaluasi Kinerja Kolom Distilasi Reaktif Dengan Pengendali PI Untuk Sintesis Etil Asetat Menggunakan Real Time Optimization*, Skripsi, Institut Teknologi Sepuluh Nopember, Surabaya.

Raosaheb, P. S. (2015), *Steady state simulation of Extractive Distillation system using Aspen Plus Department of Chemical Engineering National Institute of Technology Rourkela*, Thesis, National Institute of Technology Rourkela, Rourkela.

Richardson, J. F., dan Coulson, J. M. (2002), *Coulson & Richardson's Chemical Engineering: Particle Technology & Operation Processes*, 5th edition, Vol. 2, Butterworth Heinemann, Oxford.

Shen, W., Benyounes, H., dan Gerbaud, V. (2015), "Extractive Distillation: Recent Advances in Operation Strategies", *Reviews in Chemical Engineering*, Vol. 31, No. 1, hal. 13–26.

Shi, T., Chun, W., Yang, A., Su, Y., Jin, S., Ren, J., dan Shen, W. (2019), "Optimization and Control of Energy Saving Side-Stream Extractive

Distillation with Heat Integration for Separating Ethyl Acetate-Ethanol Azeotrope", *Chemical Engineering Science*, Vol. 215, 115373.

Tang, K., Bai, P., Huang, C., dan Liu, W. (2013), "Separation of Metanol-Toluene Azeotropic Mixture by Extractive Distillation", *Asian Journal of Chemistry*, Vol. 25, No.1, hal. 321-326.

Wong, D. B., Sokolowsky, K. P., El-Barghouthi, M. I., Fenn, E. E., Giannmanco, C. H., Sturlaugson, A. L., dan Fayer, M. D. (2012), "Water dynamics in water/DMSO binary mixtures", *Journal of Physical Chemistry B*, Vol. 116, No. 18, hal. 5479–5490.

Yuan, S., Zou, C., Yin, H., Chen, Z., dan Yang, W. (2015), "Study on the Separation of Binary Azeotropic Mixtures by Continuous Extractive Distillation", *Chemical Engineering Research and Design*, Vol 93, hal. 113–119.

Zhang, J., Zhang, P., Ma, K., Han, F., Chen, G., dan Wei, X. (2008), "Hydrogen Bonding Interactions Between Ethylene Glycol and Water: Density, Excess Molar Volume, and Spectral Study", *Science in China, Series B: Chemistry*, Vol. 51, No. 5, hal. 420–426.

Zhang, Q., Liu, M., Li, C., dan Zeng, A. (2018), "Design and Control of Extractive Distillation Process for Separation of the Minimum-Boiling Azeotrope Ethyl-Acetate and Ethanol", *Chemical Engineering Research and Design*, Vol. 136, hal. 57–70.

Zhu, Z., Ri, Y., Jia, H., Li, X., Wang, Y., dan Wang, Y. (2017), "Process Evaluation on the Separation of Ethyl Acetate and Ethanol using Extractive Distillation with Ionic Liquid", *Separation and Purification Technology*, Vol. 181, hal. 44–52.