













- palm fatty acid distillate”, *Arabian J. Chem.* vol. 9(2), pp. 179-189, 2016.
- [8] T. Poddar, A. Jagannath, and A. Almansoori, “Use of reactive distillation in biodiesel production: A simulation-based comparison of energy requirements and profitability indicators”, *Appl. Energ.* vol. 185, pp. 985–997, 2017.
- [9] Y.C. Wu, H.Y. Lee, C.Y. Tsai, H.P. Huang, and I.L. Chien, “Design and control of a reactive-distillation process for esterification of an alcohol mixture containing ethanol and n-butanol”, *Comput. Chem. Eng.* vol. 57, pp. 63-77, 2013.
- [10] D. Singha, R.K. Gupta, V. Kumar, “Simulation of a plant scale reactive distillation column for esterification of acetic acid”, *Comput. Chem. Eng.* Vol.73, pp. 70-81, 2015.
- [11] K. Prasertsit, C. Mueanmas, and C. Tongurai, “Transesterification of palm oil with methanol in a reactive distillation column”, *Chem. Eng. Process. Process Intensif.* vol. 70, pp. 204–15, 2013.
- [12] S. Bhatia, A.R. Mohamed, A.L. Ahmad, and S.Y. Chin, “Production of isopropyl palmitate in a catalytic distillation column: Comparison between experimental and simulation studies”, *Comput. Chem. Eng.* vol. 31, p. 1187, 2007.
- [13] M. Banchero, R.D. Kusumaningtyas, and G. Gozzelino, “Reactive distillation in the intensification of oleic acid esterification with methanol – A simulation case-study”, *J. Ind. Eng. Chem.* vol. 20, pp. 4242-4249, 2014.
- [14] J.A. Lazzús, “Optimization of activity coefficient models to describe vapor–liquid equilibrium of (alcohol + water) mixtures using a particle swarm algorithm”, *Comput. Math. Appl.* vol. 60(8), pp. 2260-2269, 2010.
- [15] R.K. Sinnott, *Coulson & Richardson’s Chemical Engineering Vol. 6 4th edition Chemical Engineering Design.* Massachusetts, USA: Elsevier Butterworth-Heinemann, 2005.
- [16] S.Quoilin. M.V.D. Broek, S. Declaye, P. Dewallef, V. Lemort, “Techno-economic survey of Organic Rankine Cycle (ORC) systems”, *Renew. Sust. Energ. Rev.* vol. 22, pp. 168-186, 2013.