"*Parametric and Kinetic Studies of 2-Ehtyl Hexyl Acrylate Synthesis through the Esterification of waste water containing Acrylic Acid with 2-Ehtyl Hexanol in Tubulor Reactor*"

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Catalytic performance of resin PK208 for the esterification between acrylic acid (AA) and 2- ethyl hexanol (2EH) in packed bed reactor (PBR) was evaluated. The residence time distribution (RTD) determined by tracer experiments indicated that dispersion occurred in the PBR. Several factors include temperature, catalyst loading, molar ratio, and feed flow rate that contributed towards the performance of reaction was investigated. The best condition that gave highest yield, 66.44mol% was at 95 ^{0}C, with catalyst loading of 5 g, molar ratio AA:2EH of 1:3, and feed flow of 1ml/min.

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