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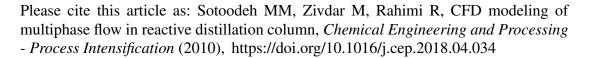
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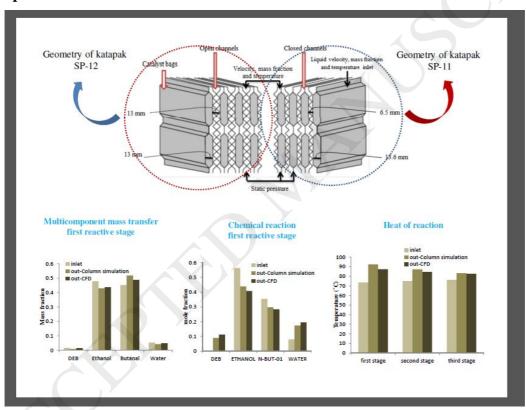
## ACCEPTED MANUSCRIPT

# CFD modeling of multiphase flow in reactive distillation column

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#### **Graphical Abstract**



#### **Highlights:**

- Mass transfer and chemical reaction in reactive distillation column were studied.
- Katapak SP-11&12 were used to investigate the effect of internals.
- Penetration theory of Higbie was applied to the mass transfer coefficient of liquid.

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