

## عنوان مقاله:

Simulation of Catalytic Reactors of Ilam Sulfur Recovery Unit Using Aspen Plus

## محل انتشار:

شانزدهمین کنگره ملی مهندسی شیمی ایران (سال: 1397)

تعداد صفحات اصل مقاله: 6

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## خلاصه مقاله:

The aim of this paper is to simulation of catalytic reactors of Ilam sulfur recovery unit (SRU) using Aspen® Plus to increase the overall efficiency of the sulfur recycling unit. Catalytic reactors of SRU play an important role in increasing the sulfur recovery of the unit. The unit was simulated based on SRU of Ilam refiner data. Comparison between simulation results and process data revealed that the simulation has an error of less than 7% which is acceptable at the industrial scale. Sensitivity analysis indicate that the sulfur production extremely depends on operational condition. The results indicated that by choosing proper kinetics and setting operational condition by .sensitivity analysis sulfur recovery will increase from 30% to 89%

## کلمات کلیدی:

Sulfur unit recovery, Aspen simulation, Catalytic reactor, simulation

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/860080>

