

## عنوان مقاله:

Studies and Experimental Analysis on Water Absorption into White Pea and Black Pea

## محل انتشار:

چهاردهمین همایش بین المللی نفت، گاز و پتروشیمی (سال: 1389)

تعداد صفحات اصل مقاله: 8

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## خلاصه مقاله:

most of the chemical engineering operation is done as a mass transfer operation that is the transition of one material to another in the molecular scale. The mass transfer operation is done in three states; 1. direct contact of solution 2. separation of phases with a membrane 3. direct contact of dissolution the third state is the most usable in the mass transfer processes. In this paper we selected the white & black peas for the adsorption experimental. although this material have similar structures but they have different adsorption properties. a selected amount of white & black peas is added to determined volume of water at 25C. then we have measured the mass transfer rate in different times until the changes in the diffused water remains constant this operation is repeated for two cases in a certain volume at 5 and 45 C. then the mass transfer rate is measured for each case at different temperatures and compared to each other

## کلمات کلیدی:

water absorption rate in difference temperature, white pea and black pea

## لینک ثابت مقاله در پایگاه سیویلیکا:

<https://civilica.com/doc/103372>

