

**PENENTUAN KEASAMAN ZEOLIT MENGGUNAKAN METODE
GRAVIMETRI, TITRASI DAN FTIR**

Dwi Kartika, Mardiyah Kurniasih

Program Studi Kimia, Fakultas Sains dan Teknik Unsoed Purwokerto

ABSTRACT

Determination of natural zeolite and activated natural zeolite acidity using gravimetric, titration and FTIR methods had been carried out. The result of gravimetric method show that the acidity of the natural zeolite and activated natural zeolite was 2,350 and 5,628 mol/gram, respectively. The titration method can be obtained that the acidity degree of the natural zeolite and activated natural zeolite was 12,333 and 12,067, respectively. The result showed that the activation of the natural zeolite sample by HCl caused dealumination.

Key words: acidity, zeolite, gravimetric, titration