

Study on the properties of some Indonesian natural zeolites

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20407307&lokasi=lokal>

Abstrak

Study on mineralogical characteristics and physic-chemical properties of the mineral from 19 localities have been performed to assess its potential for industrial application. Zeolite rocks are considered to be applicable for industrial application as either adsorbent for water treatment or soil improvement. It is found that its adsorbent has a good adsorption to metal ions and high physical and mechanical strength in water.

Moreover, a quartered composite adsorbent shows absorbability for bacteria such as E. Coli. It might be anticipated that those new adsorbent will have many applications including municipal waste treatment and biotechnology.