

Pembuatan dan Karakterisasi Silica dari Abu Sekam Padi = The product and characteristic of silica from rice husk ash

Burmawi, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20280033&lokasi=lokal>

Abstrak

The synthesis of silica from rice husk ash has been studied. The purification has been done by adding acid solution and by heating. The sample heated in the temperature range of 700 - 1000°C. The characterization was done by means of the X- Ray diffraction, Electron microscope and X-ray Fluorescence. The results show the RHA after burning contain 59.72 % wt, after heating the weight fraction of silica increase, 700°C around 84.59%, 850°C around 85.75 % and 1000°C around 87.55 %. Electron microscope shows the evolution of microstructure on heating. From the evolution of impurity elemens in the RHA, it is concluded that the increased of silica contained is due to decrease of potassium contain in the RHA.