

Identifikasi Ukuran Pori Lapisan SBA-15 hasil Metode Spin Coating dengan menggunakan Atomic Force Microscope (AFM)

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Abstrak

The SBA-15 material can be applied on many industries such as catalyst, adsorbent and membrane material. Pore size in SBA-15 can be categorized in mesoporous material, because the size ranges from 2-50 nm. Pore diameter generally can be observed by Scanning Electron Microscope (SEM) or Transmission Electron Microscope (TEM). Another method to determine the pore diameter is using a Atomic Force Microscope (AFA/D. The topography observation from AFM can identify the size and pore shape of SBA-I 5 in nanometer order: The result of AFM showed that the pore size of SBA-i5 is 3.27 nm.