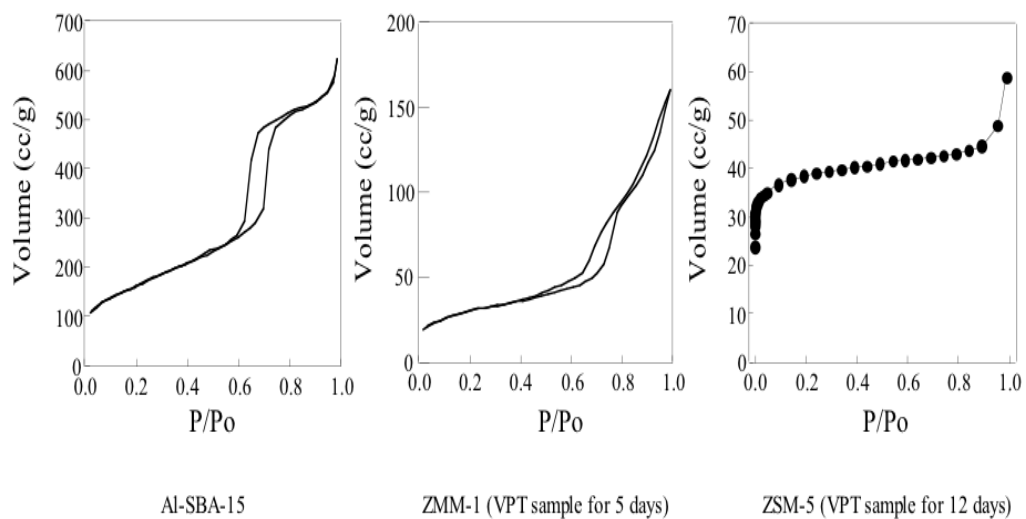


**Supplementary Information 1.** TEM images of ZMM-1.



**Supplementary Information 2.** Nitrogen adsorption isotherms of Al-SBA-15, ZMM-1, and ZSM-5.