

## ABSTRACT

### MODIFICATION MESOPOROUS SILICA BY ANILIN AS Mn(II) CATALYST SUPPORT, SYNTHESIS AND CHARACTERIZATION ITS

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Synthesis mesoporous silica have been carried out it was modified with aniline as support catalyst Mn(II). Characterization by FTIR and XRD indicated that a process modification with aniline and unchanged structure and the main framework of mesoporous silica. FTIR and AAS analysis results can be indicated that the grafting process of metal ion Mn (II) has been successfully carried out. The measurement with AAS showed that the mesoporous silica modified with aniline has Mn - loading similar to mesoporous silika and most well than amorphous silica. While Mn-leaching, support developed in this study has a value of metal leaching between than both its competitors.

**Keyword:** *Catalyst, Mesoporous Silica, Modified Mesoporous Silica, Metal Loading, Metal Leaching, and Support*

