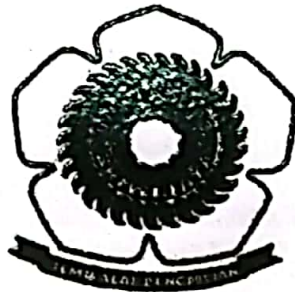


**PREPARASI DAN KARAKTERISASI
KATALIS Co/Mo-MONTMORILONIT TERPILAR Al₂O₃**

SKRIPSI

Sebagai salah satu syarat untuk memperoleh gelar

Sarjana Sains Bidang Studi Kimia



Oleh :

PUJA INTAN SORAYA

09043130003

**FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM
UNIVERSITAS SRIWIJAYA**

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Lembar Pengesahan

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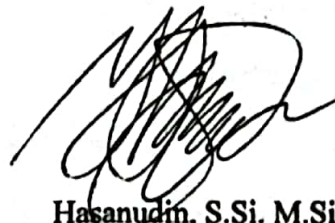
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THE PREPARATION AND CHARACTERIZATION OF Co/Mo-Al₂O₃ PILLARED MONTMORILLONITE CATALYST

By :

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ABSTRACT

The research about the Preparation and characterization of Co/Mo-Al₂O₃ pillared Montmorillonite Catalyst had been done. These catalyst are made by pillarization . technique of Al₂O₃ through montmorillonite then followed impregnation of metal process of Co and Mo by variation ratio of Co-Mo 1:0 ; 3:1 ; 2:1 ; 1:1 ; 1:2 ; 1:3 ; 0:1. The catalyst characterization consist of topography pattern by using SEM, metal containing by using EDX, AAS and acidity of catalyst by adsorbing of ammonia in vacuum of desiccators for 24 hours. The results of this research shows that there are such space that wide because of the pillared of Al₂O₃, Co metal that become aggregate come into the pore and Mo which become aggregate too from SEM. The metal ratio of Si/Al decrease to 2.236 with EDX and the metal ratio Co/Mo is appropriate to the ratio has been made with AAS. The next result is montmorillonite pillared of Al₂O₃ which has the highest acid value about 4.3951 mmol/g.