

**PENGARUH VARIASI BERAT KATALIS TERHADAP PROSES HIDROCRACKING-  
MINYAK BIJI JARAK (*Jatropha Curcas L*) MENGGUNAKAN KATALIS Co/Mo-  
MONMORILONIT TERPILAR TiO<sub>2</sub>**

**SKRIPSI**  
**Sebagai salah satu syarat untuk memperoleh gelar**  
**Sarjana Sains Bidang Studi Kimia**



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**2010**

Lembar Pengesahan

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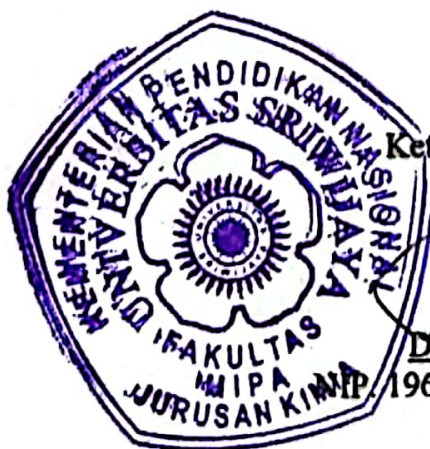
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**THE INFLUENCE OF CATALYST WEIGHT JARAK PAGAR OIL  
(*Jatropha Curcas L*) HYDROCRACKING PROCESS WITH Co/Mo-TiO<sub>2</sub>  
PILLARED MONMORILONITE CATALYST**

**By :**

**RIKARDO**

**09043130020**

**ABSTRACT**

The research have been done on jarak pagar hydrocracking with Co/Mo-TiO<sub>2</sub> pillared montmorillonite catalyst. Hydrocracking was conducted on 500°C temperature, flow rate of hydrogen 2,5 ml/sec and variation of catalyst weight 1 g, 2 g, 3 g. The product of hydrocracking resulted were counted nonpolar, polar, viscosity, coke and gas product percentage. The nonpolar product were distilled and its density was measured. The result of research show that optimum weight of catalyst value was 2 g and optimum nonpolar product value was 77,7127 %, polar product 0,8556 %, viscosity  $3,987 \times 10^{10}$  stokes, coke 0,3735 %, gas 21,058 %. The nonpoiar distilled product produced biogasoline fraction 68,49 % which density 746 Kg/m<sup>3</sup>.