**NGHIÊN CỨU HẤP PHỤ Cr(VI) TRONG DUNG DỊCH NƯỚC BẰNG CHẤT XÚC TÁC THẢI FCC TỪ NHÀ MÁY LỌC DẦU DUNG QUẤT**

**STUDY ON THE ADSORPTION OF Cr(VI) IN SOLUTION BY SPENT FLUIDIZED CRACKING CATALYST FCC OF DUNG QUAT**

**Võ Văn Tân (1) , Hoàng Thị Loan (2)**

***(1)****Khoa Hóa học, Trường Đại học Sư phạm, Đại học Huế*

***(2)****Học viên cao học K23, Trường Đại học Sư phạm, Đại học Huế*

**SUMMARY**

*Spent fluidized cracking catalyst (FCC) from the Dung Quat oil refinery was activated by HCl and used for Cr(VI) – adsorption. The product was characterized by XRD, SEM and IR. The Cr (VI) in aqueous solution was adsorped optimally at a pH of 6.4.. Maximum adsorption capacity of Cr(VI) by FCC followed equation of isothermal Langmuir is 1,842 (mg/g).*

**Keywords**: Adsorption, Cr(VI), FCC.