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**ĐỘNG HỌC HẤP PHỤ FUCHSIN ACID TRÊN VẬT LIỆU Al-BENTONITE**

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**SUMMARY**

**ADSORPTION KINETICS OF FUCHSIN ACID ONTO Al-BENTONITE**

In the present work, the Al-bentonite was prepared by the modification of Wyoming bentonite with cation aluminium by ultrasound - assisted cation exchange. X-ray diffraction (XRD), infrared spectroscopy (FT-IR), and nitrogen adsorption/desorption isotherms were utilized to characterize the modified bentonite. The Al-bentonite was employed for the removal of fuchsin acid from aqueous solution. Fuchsin acid adsorption followed the pseudo-second-order kinetic model. The determined activation energy of this fuchsin acid adsorption was 5.17 kJ/mol.

**Keywords:** Al pillared bentonite, fuchsin acid, isotherms, adsorption kinetics