

**Supporting information**

**Investigation into the adsorption of methylene blue and methyl orange by  
UiO-66-NO<sub>2</sub> nanoparticles**

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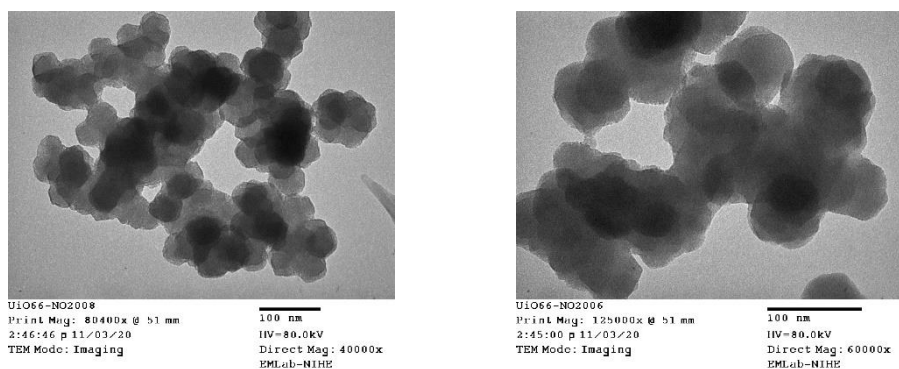
**Corresponding author:**

**Dr. Dai Xuan Trinh**

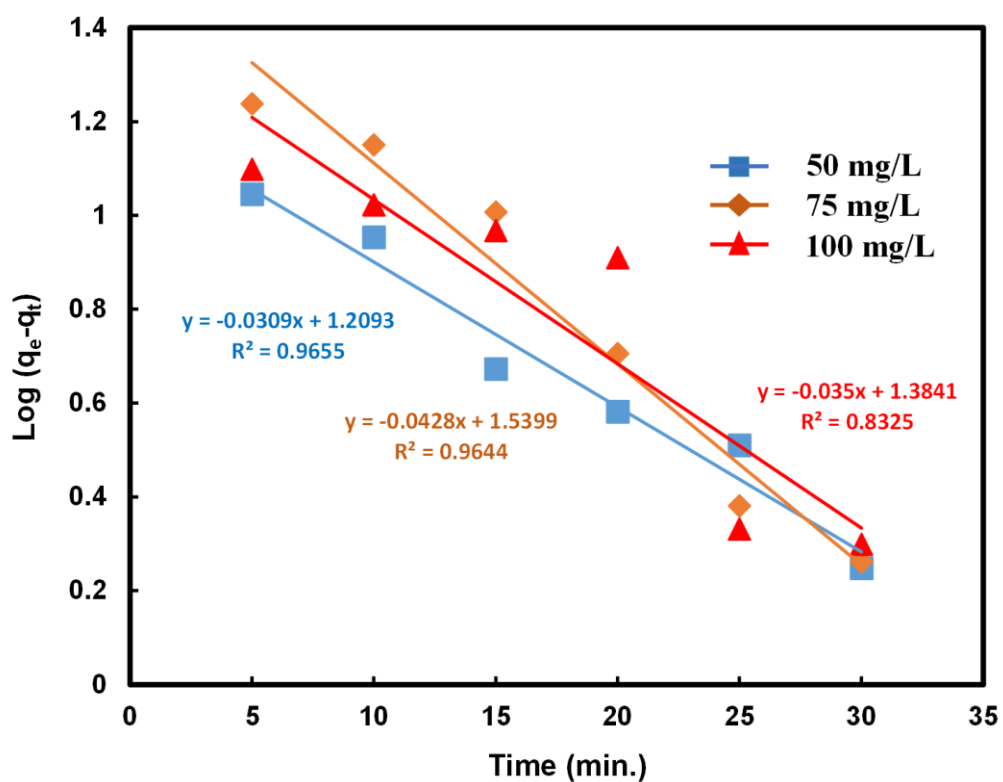
Email: [daitx@vnu.edu.vn](mailto:daitx@vnu.edu.vn)

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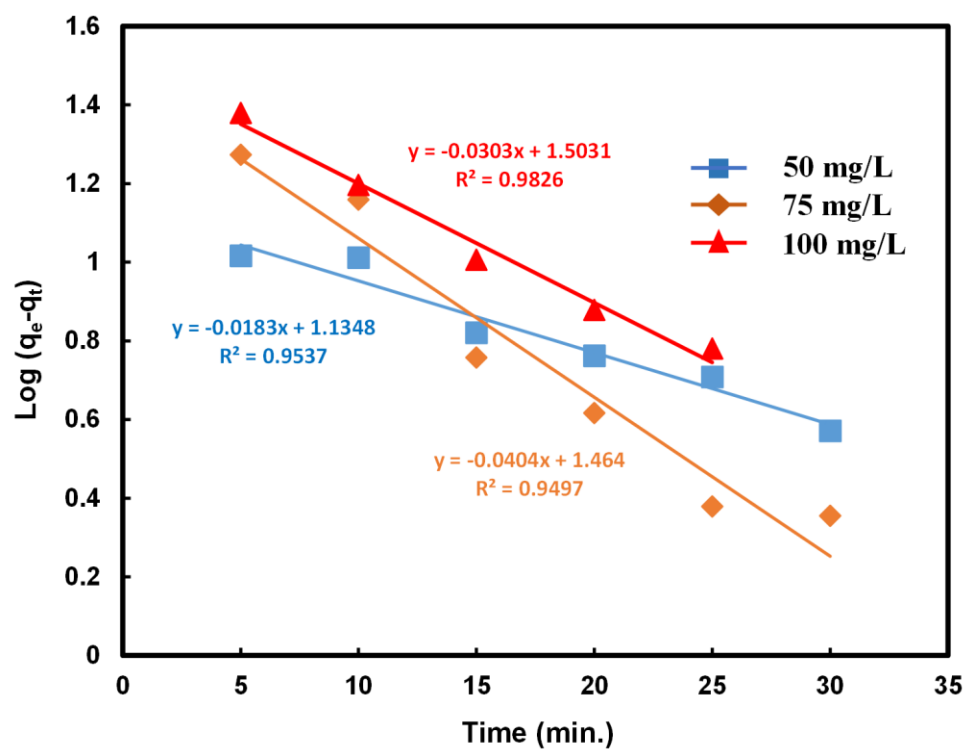
## TEM images of UiO-66-NO<sub>2</sub> nanoparticles



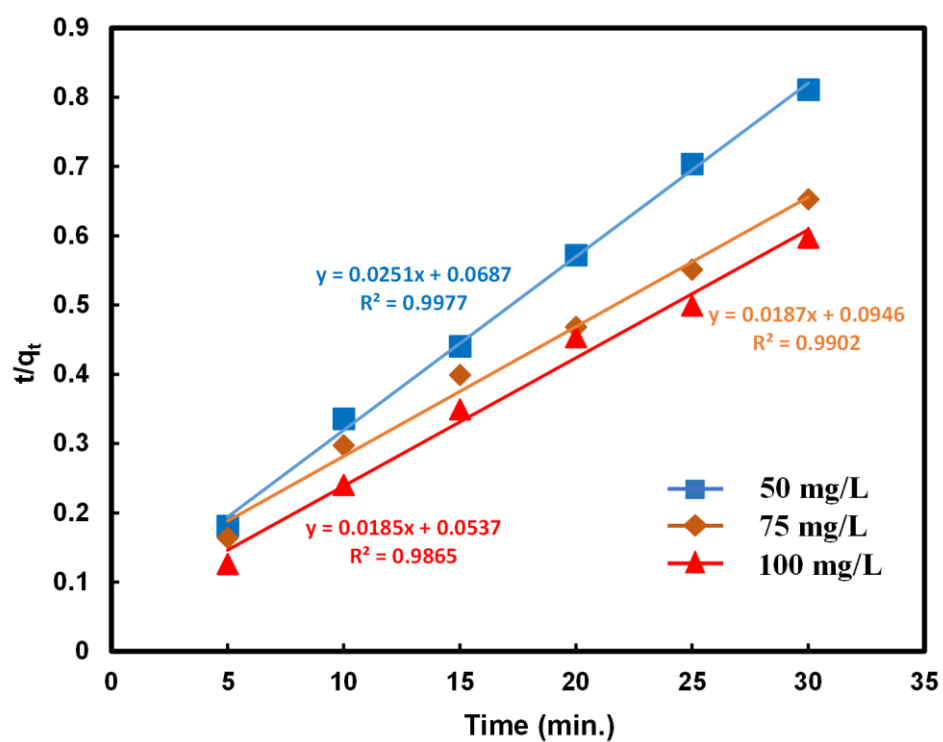
**Figure S. 1.** TEM image of UiO-66-NO<sub>2</sub>



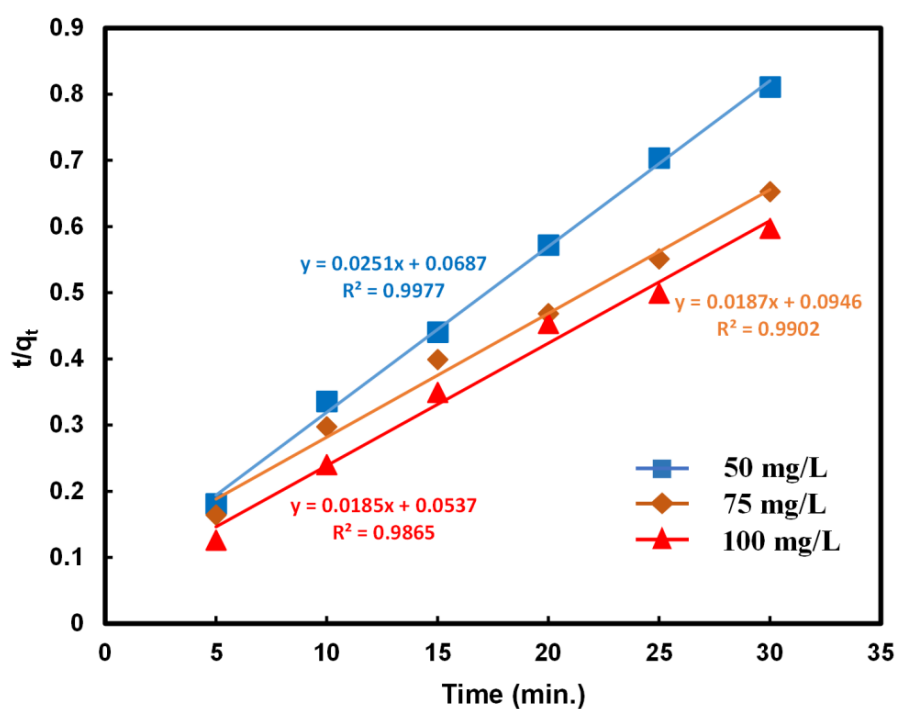
**Figure S. 2.** Pseudo first order kinetic model of MB adsorption on UiO-66-NO<sub>2</sub>



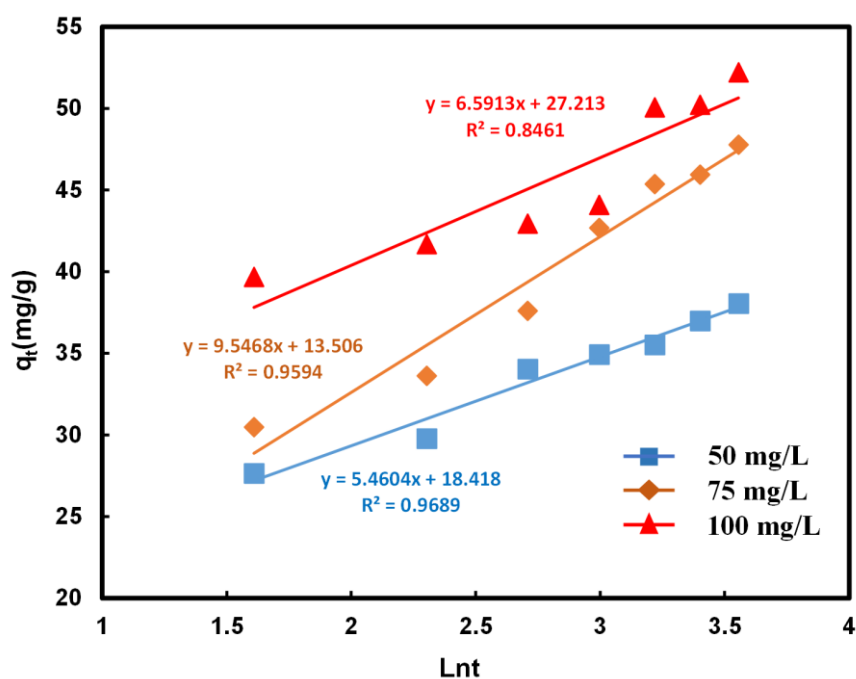
**Figure S. 3.** Pseudo first order kinetic model of MO adsorption on UiO-66-NO<sub>2</sub>



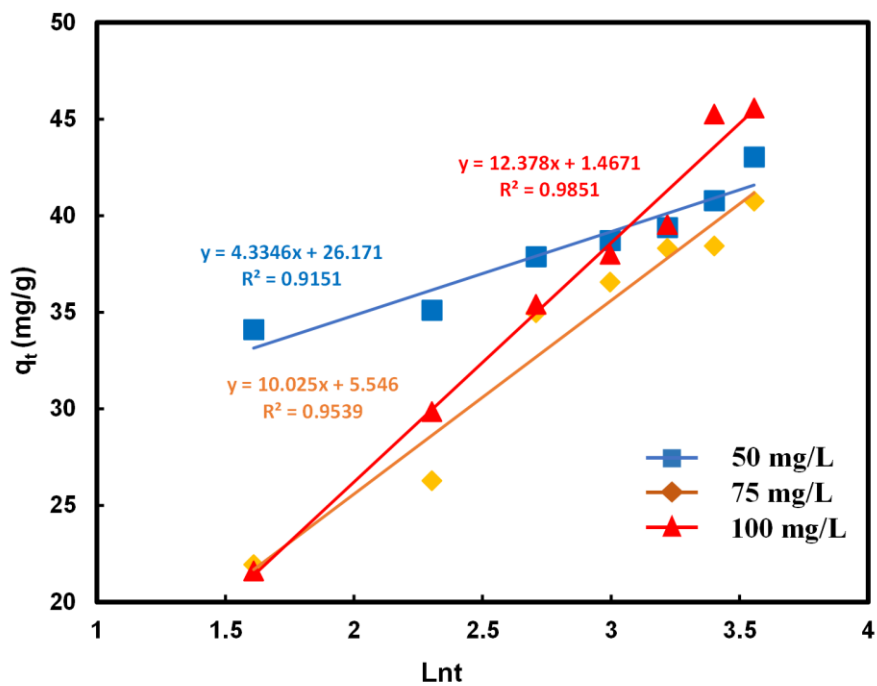
**Figure S. 4.** Pseudo second order kinetic model of MB adsorption on UiO-66-NO<sub>2</sub>



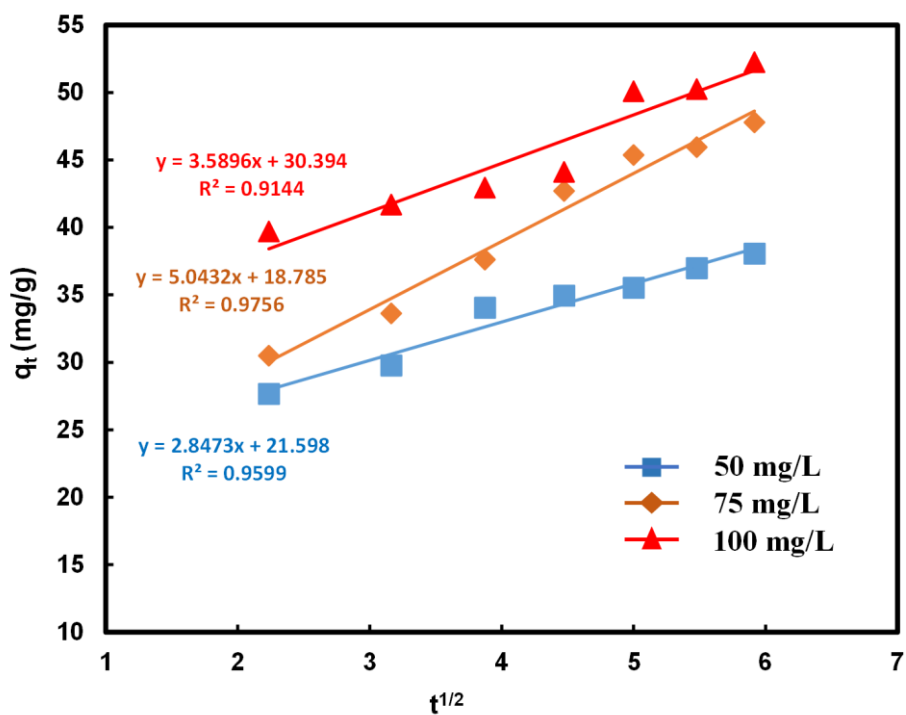
**Figure S. 5.** Pseudo second order kinetic model of MO adsorption on UiO-66-NO<sub>2</sub>



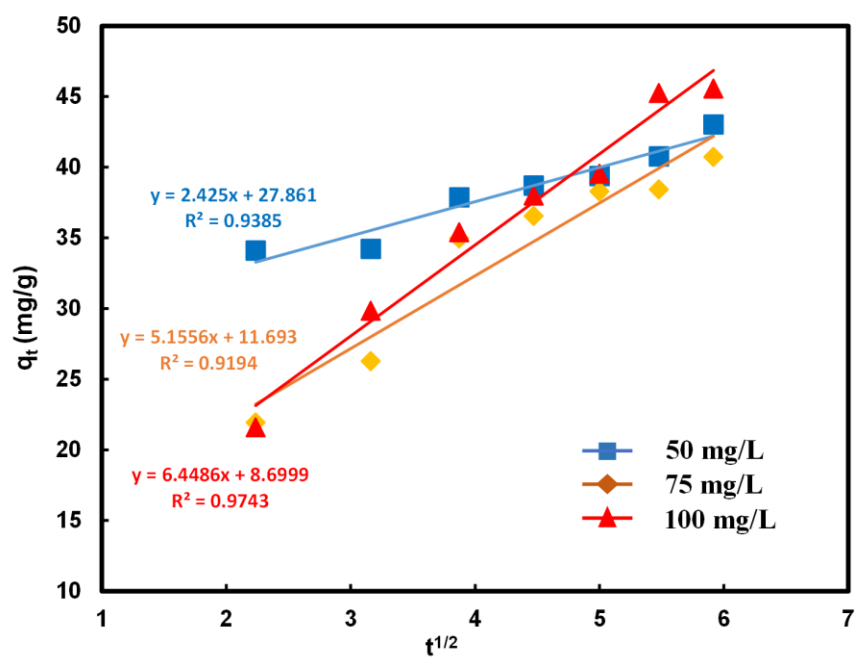
**Figure S. 6.** Elovich adsorption model of MB adsorption on UiO-66-NO<sub>2</sub> anoparticles



**Figure S. 7.** Elovich adsorption model of MO adsorption on UiO-66-NO<sub>2</sub> anoparticles



**Figure S. 8.** Intraparticle adsorption model of MB adsorption on UiO-66-NO<sub>2</sub>



**Figure S. 9.** Intraparticle adsorption model of MO adsorption on UiO-66-NO<sub>2</sub>