

Supplementary Data

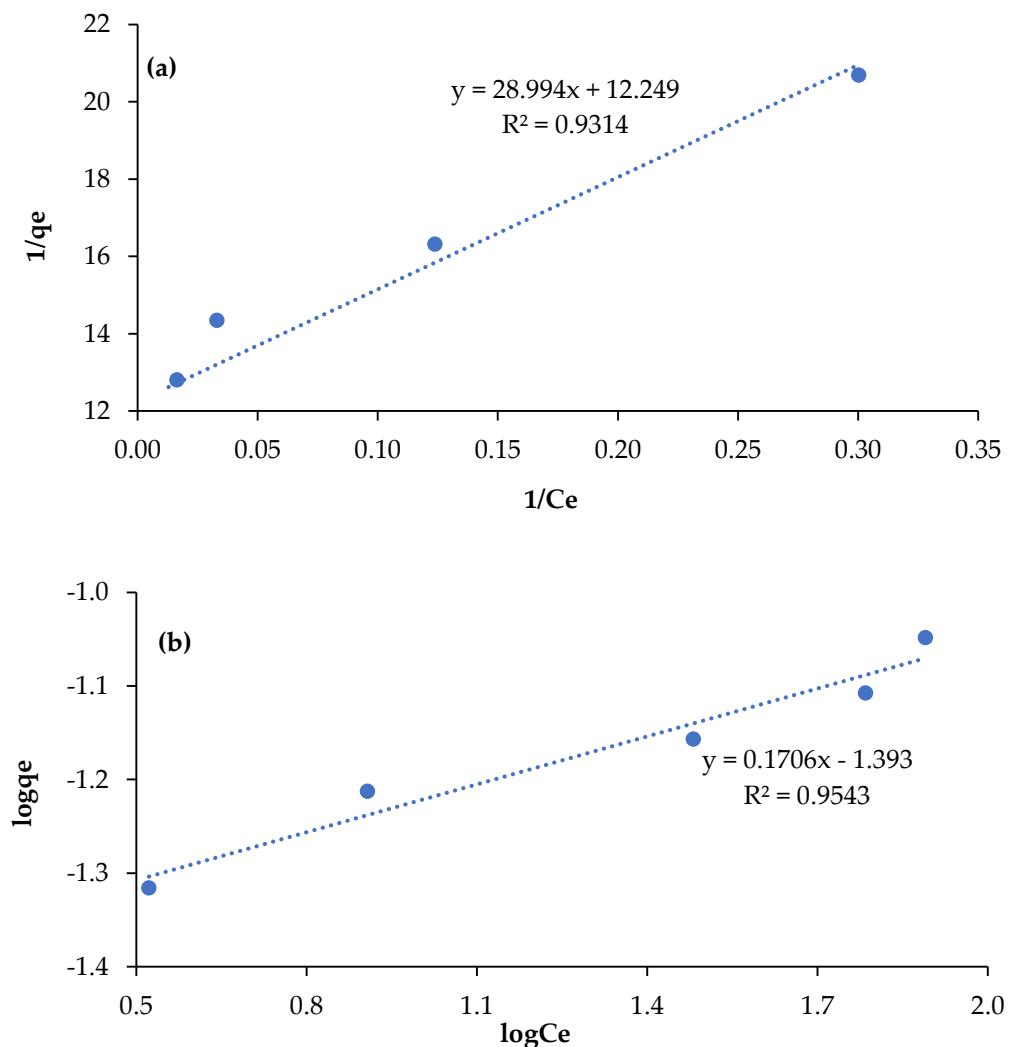


Figure S1. Adsorption isotherm modeling for the removal of Cr(VI) from aqueous solution using CNCs adsorbent. (a) Langmuir isotherm, and (b) Freundlich isotherm. Experimental condition: pH 2, doses of 1.5 g/L, and concentration of 100 ppm.

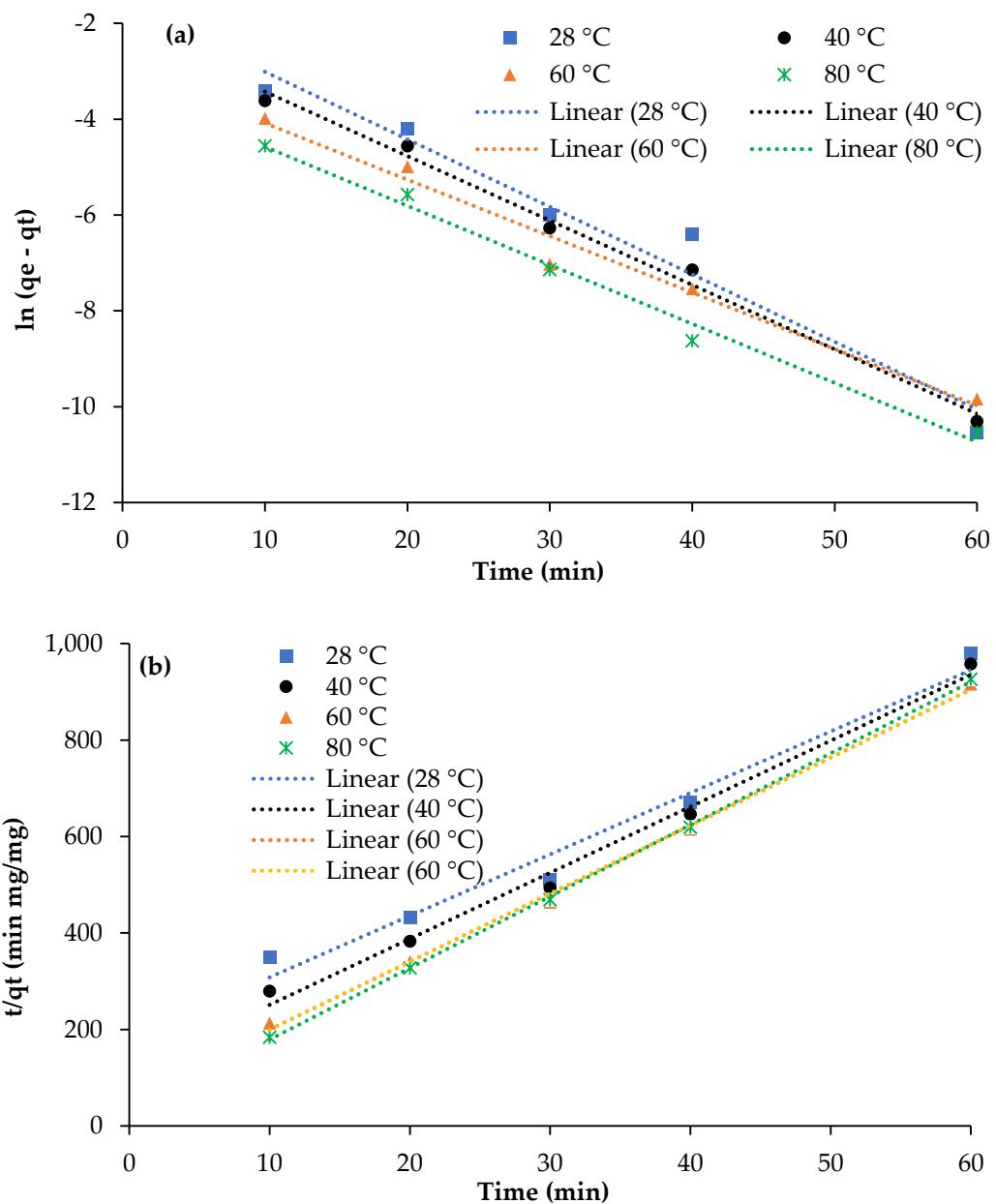


Figure S2. Adsorption kinetics modeling for the removal of Cr(VI) from aqueous solution using CNCs adsorbent. (a) pseudo-first-order kinetic model, and (b) pseudo-second-order kinetic model. Experimental condition: pH 2, doses of 1.5 g/L, and concentration of 100 ppm.

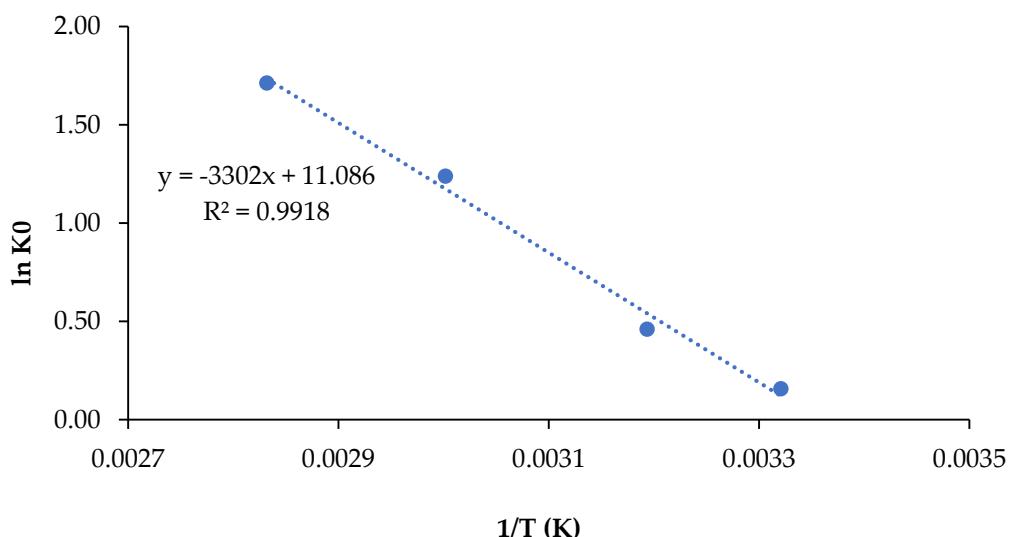


Figure S3. Adsorption thermodynamics for the removal of Cr(VI) from aqueous solution using CNCs adsorbent. Experimental condition: pH 2, doses of 1.5 g/L, initial concentration of 100 ppm, and 30 min.