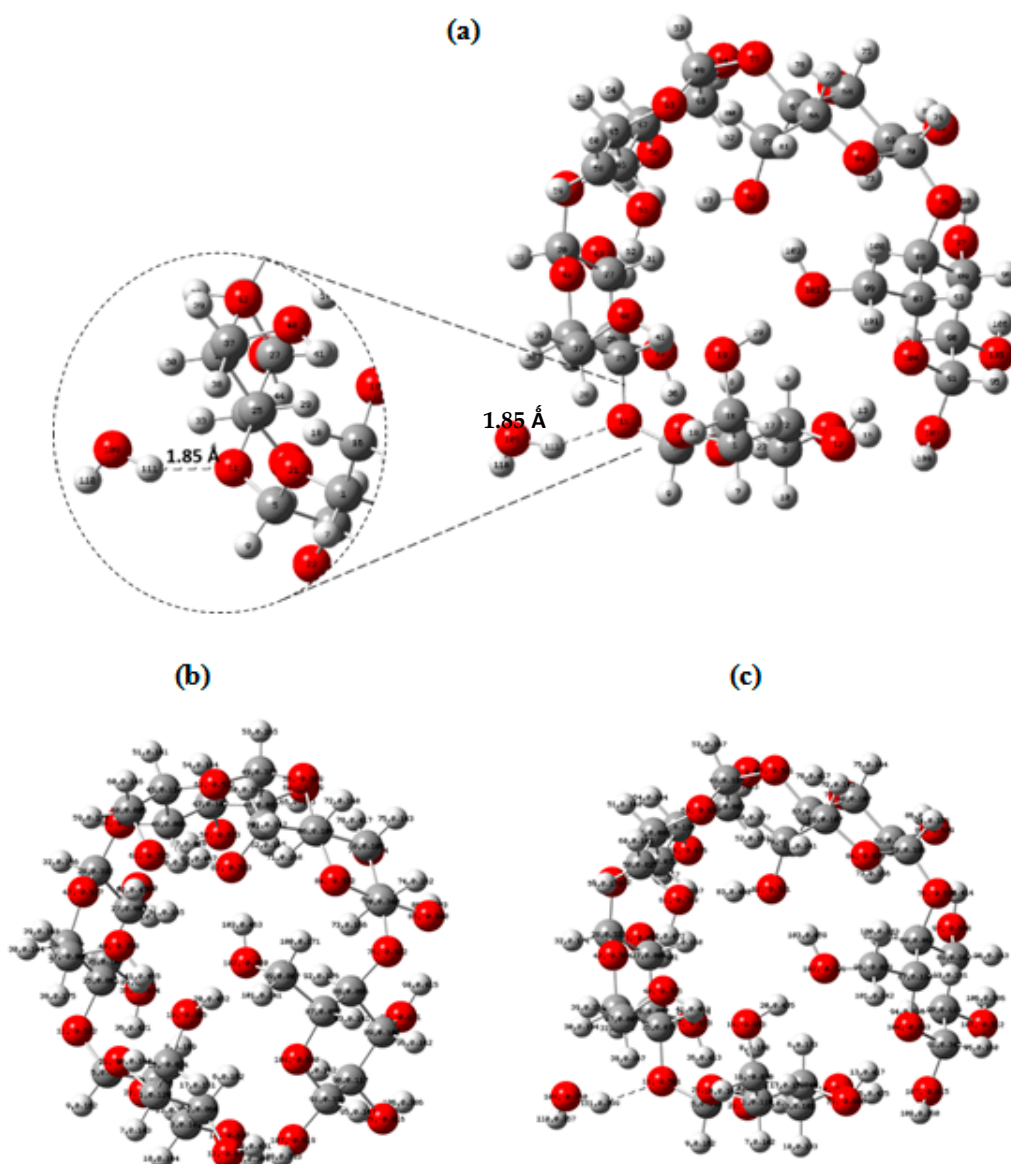


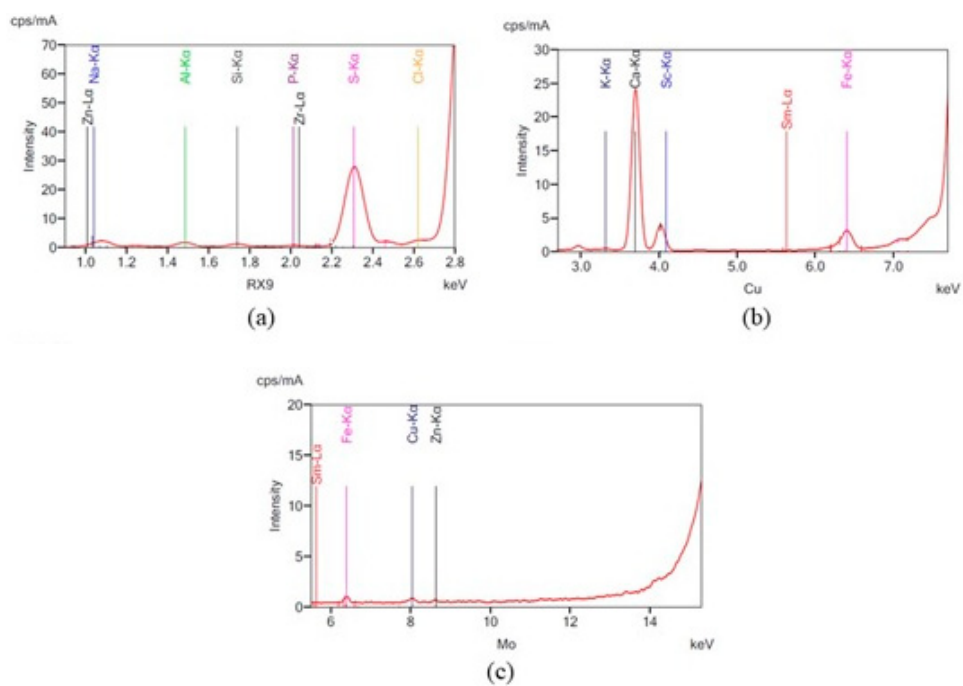
Article

# Effect of Starch-Derived Superabsorbent Polymer on Water Retention and Absorbency Capability in Remediation of Solid Waste Sludge Based on Water/Polymer Interaction

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**Figure S1** DFT analysis on (a) H-bond of O11 with H111. The Mulliken Charge of amylose (b) without water and (c) with water



**Figure S2** XRF spectra for absorption of metals contaminants from sludge by NSS using (a) RX9 source, (b) Cu source, and (c) Mo source.