

## **Penspesiesan ion-ion ferum dengan resin poli(asid hidroksamik)**

### **ABSTRACT**

Poly(hydroxamic acid) ion exchange resin was evaluated for speciation of iron(II) and iron(III) ions. Distribution coefficients indicate that the resin is more selective towards iron(III) ion. Column extractions show that iron(III) ion is quantitatively extracted from sulfuric acid solutions at concentrations of between 0.01 to 0.001M but only 2% or less of iron(II) ion is retained under these conditions. Further studies show that these two ions can be separated and their separations are not affected by the presence of nickel, zinc, copper, calcium, chloride, bromide, nitrate and sulphate.

**Keyword:** Poly(hydroxamic acid); Iron ions