

**PENJERAPAN Pb TERLARUT MENGGUNAKAN SERBUK TANGKAI
DAUN ENCENG GONDOK {*Eichhornia crassipes* (Mart.) Solms} KERING
MESH 30/40**

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ABSTRAK

Pencemaran air seperti logam berat dapat menurunkan kualitas dan kuantitas air. Enceng gondok {*Eichhornia crassipes* (Mart.) Solms} adalah salah satu cara untuk menyerap logam berat seperti Pb. Pada penelitian ini digunakan serbuk tangkai daun enceng gondok {*Eichhornia crassipes* (Mart.) Solms} kering mesh 30/40 untuk menyerap Pb. Kadar Pb dalam larutan dianalisis dengan menggunakan *Inductively Coupled Plasma Spektrometer* (ICPS). Hasil penelitian menunjukkan pada kadar awal Pb 2398,55 bpg diperoleh 103,30 mg Pb terjerap/g penyerap. Berdasarkan penelitian ini, dapat disimpulkan bahwa enceng gondok yang mana mudah didapat dan murah dapat dijadikan sebagai salah satu cara untuk menyerap Pb.

Kata kunci: *Eichhornia crassipes*, ICPS, Pb, Penjerapan

**UPTAKE OF Pb BY DRIED LEAF STALKS OF WATER HYACINTH
{*Eichhornia crassipes* (Mart.) Solms} MESH 30/40**

Abstract

Water pollution such as heavy metals can reduce the quality and the quantity of water. Water hyacinth {*Eichhornia crassipes* (Mart.) Solms} is one of the way to adsorb the heavy metals like Pb. On this research, the powdered of the stalk of dried water hyacinth {*Eichhornia crassipes* (Mart.) Solms} leaves (30/40 mesh) was used to adsorb Pb. Concentration of Pb in the solutions were analyzed using *Inductively Coupled Plasma Spectrometer* (ICPS). The result showed that on the initial Pb concentration, 2398.55 ppm was obtained 103.30 mg Pb adsorbed/g adsorbent. Based on this research, it is concluded that water hyacinth which is cheap and also easy to get can be one of the way to adsorb Pb.

Keyword : *Eichhornia crassipes*, ICPS, Pb, Adsorptivity