

laboratory and pilot testing of electrocoagulation for removing scaleforming species from industrial process waters

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=132192&lokasi=lokal>

Abstrak

This study investigated the performance of electrocoagulation using iron and aluminum electrodes for removing silica, calcium and magnesium from cooling tower blowdown and reverse osmosis reject waters. Experiments were conducted at both the bench and pilot scales to determine the levels of target species removal as a function of the coagulant dose. At the bench scale, aluminium removed the target compounds from cooling tower blowdown and reverse osmosis reject more efficiently than iron.