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Effect of current strength on electrocoagulation using Al-Fe electrodes in COD and TSS removal of domestic wastewater

[Oktiawan W.](#) ; [Priyambada I.B.](#); [Aji S.](#); [Budi F.S.](#)[Save all to author list](#)

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Views count [View all metrics](#) [Full text options](#) [Export](#) **Abstract**[Indexed keywords](#)[Sustainable Development Goals 2023](#)[SciVal Topics](#)[Metrics](#)[Funding details](#)**Abstract**

Domestic wastewater is wastewater from household activities such as kitchens, baths, laundry, and water closets. Domestic wastewater contains parameters that can cause environmental pollution, so it needs to be treated. One of the domestic waste treatment technologies is electrocoagulation.

Electrocoagulation is a continuous coagulation process using direct electric current through electrochemical events. The purpose of this study was to determine the effect of current on electrocoagulation using Al-Fe electrodes in reducing contaminant levels of domestic wastewater (COD and TSS). The electrode configuration used in this study was Al-Fe, with a variation of the current strength used was 1 A, 2 A, 3 A. The electrocoagulation process was carried out

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