Evaluation of Dust Collector (Fabric Filter) in PT.
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Abstract
Air pollution from production process require attention as according to Decree Of The Minister of Environment No. 13 Year 1995, 7 March 1995. Intention of this final assignment is, to evaluate efficiency of existing filter fabric as well as filter fabric design for the unit of production with no processing of air emission.

Pursuant to laboratory analysis result, concentration of partikulat exceed determined boundary that is equal to 208 mg / m³, while tolerable concentration to be emitted into the air ambient for the industry of electrics arc furnace type steel and iron is equal to 150 mg / m³. Survey show that existing filter fabric need replacement of filter medium. Design of filter fabric for production unit with no equipment for air filter processing with sweeping of pulse-jet.

Key words : Fabric Filter Pulse-Jet, Baghouse, Dust collector, A/C ratio