



Phenol groundwater contaminant transport modeling :: Case study Madukismo sugar factory  
Yogyakarta  
Special Province Indonesia

SARA, Nuon, Dr. Dopi Prakasa Eka Putra, ST., MT.  
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**PHENOL GROUNDWATER CONTAMINANT TRANSPORT MODELING  
CASE STUDY: MADUKISMO SUGAR FACTORY, YOGYAKARTA SPECIAL  
PROVINCE, INDONESIA**

Thesis submitted to Gadjah Mada University in partial fulfillment of the requirements  
for the Degree of Master of Engineering

Study Program of Geological Engineering  
Department of Geological Engineering



**PERPUSTAKAAN  
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By:  
**NUON SARA**  
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FACULTY OF ENGINEERING  
GADJAH MADA UNIVERSITY  
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