

THESIS

**FEASIBILITY STUDY ANALYSIS OF THE POTENTIAL OF REDUCING CARBON
EMISSIONS (CO₂) IN WASTE POWER PLANTS WITH MAMDANI FUZZY
LOGIC AND LIFE CYCLE ANALYSIS.**



PREPARED BY

KHALIFA MANSOUR KHALIFA

20601900013

MASTER OF ELECTRICAL ENGINEERING PROGRAMME

FACULTY OF INDUSTRIAL ENGINEERING

UNIVERSITY ISLAM SULTAN AGUNG SEMARANG

INDONESIA

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FEASIBILITY STUDY ANALYSIS OF THE POTENTIAL OF REDUCING CARBON EMISSIONS (CO₂) IN WASTE POWER PLANTS WITH MAMDANI FUZZY LOGIC AND LIFE CYCLE ANALYSIS.

**To Meet the Requirements to Get a Master Degree in Engineering
Master Program in Electrical Engineering
University Islam Sultan Agung**



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Prepared By :

Khalifa Mansour Khalifa

20601900013

Supervisor I


Examiners



Dr. Ir. H. Muhammad Haddin, MT
NIDN : 0626097501



Dr. Hj. Sri Arttini Dwi P. M.Si
NIDN : 0620026501



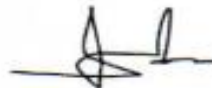
Anief Marwanto, ST., M.Eng. Ph.D
NIDN : 0626097501



Dr. Novi Marlyana ST., MT
NIDN : 0015117601



Muhammad Qomaruddin, ST. M.Sc., Ph.D
NIDN : 0631057101



Ir. Suryani Alifah, MT., Ph.D
NIDN : 0625036901

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Electrical Engineering
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Head Of The Master Program Of Electrical Engineering



Anief Marwanto, ST., M, Ph.D
NIDN : 0626097501

STATEMENT OF AUTHENTICITY THESES

The undersigned below:

Name:

NIM:

Study Program: Master of Electrical Engineering
Industrial Technology Faculty

I hereby declare that the Thesis submitted to the Electrical Engineering Masters Study Program is entitled:

" Feasibility Study Analysis Of The Potential Of Reducing Carbon Emissions (CO2) In Waste Power Plants With Mamdani Fuzzy Logic And Life Cycle Analysis "

It is a work in itself, the title has been used to obtain a bachelor's degree in Sultan Agung Islamic University (UNISSULA) as a result or at another university, and has never been written and published by someone else unless the reference has not been designated in the bibliography. This thesis is mine, all forms of errors and mistakes in this thesis are my responsibility.

Semarang,

December 2020

Author

Khalifa Manshour Khalifa

20601900013

FOREWORD

Bismillah Walhamdulillah Assalamu'alaikum Warahmatullahi Wabarakatuh Praise the writer to pray for the presence of Allah Subhana Wa Ta'ala for giving His blessings and grace so that they still have the opportunity to study in a healthy state. Salawat and Greetings go to the Prophet Muhammad Sallallahu Alaihim Wassalam, hopefully one day we will get the intercession. Amen Yaa Robbaalamin. The preparation of this Final Project is one of the requirements for obtaining a bachelor's degree at the Faculty of Industrial Technology at Sultan Agung Islamic University Semarang. In writing this final project, of course, many parties have provided assistance both morally and materially. Therefore, the writer would like to convey the words of jazaakumullah khoiron katsiron and his endless gratitude to him

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Khalifa Manshour Khalifa