

AUTHENTICITY STATEMENT

For the sake of Allah, I confess that this research was conducted by me except for the summaries of the sources that have been cited and mentioned. If in the future my confession is proved to be wrong and dishonest resulting in the violence of legal regulation of the papers and intellectual property rights, then I am willing to return my degree I received to be withdrawn by Universitas Islam Indonesia.

Yogyakarta, November 2019

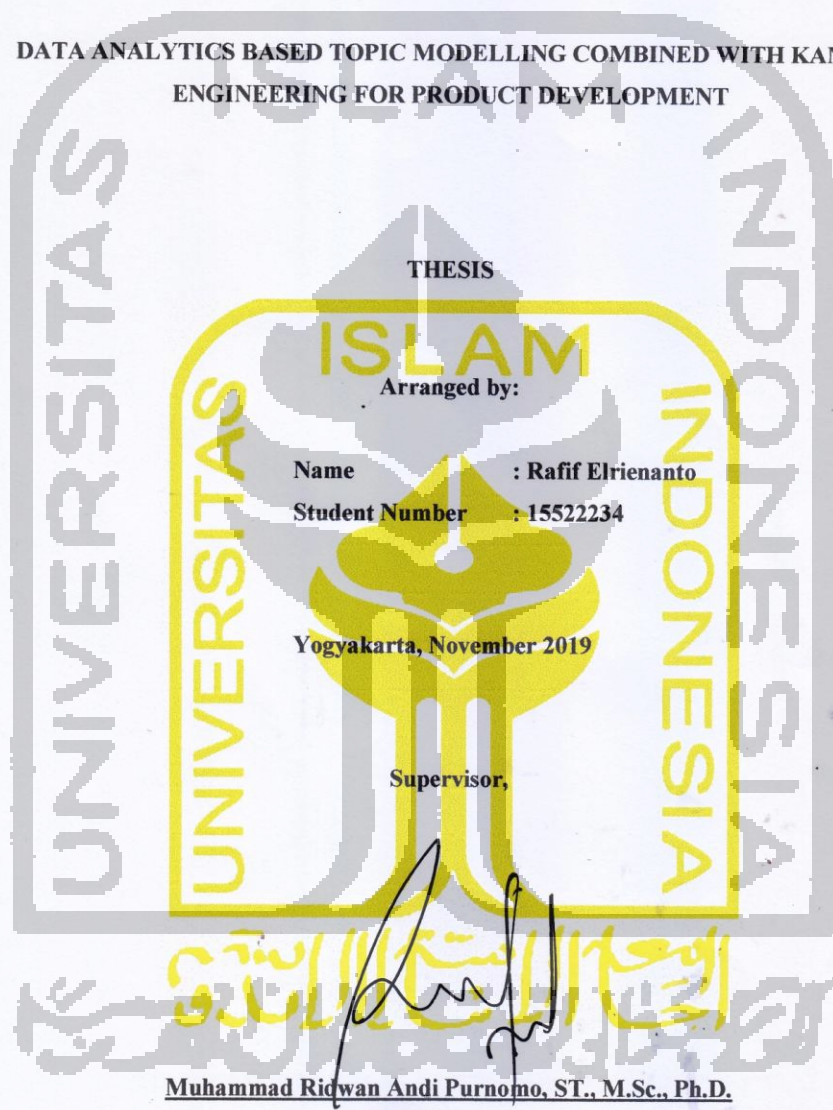


Rafif Elrienanto

بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

THESIS PROPOSAL OF SUPERVISOR

**DATA ANALYTICS BASED TOPIC MODELLING COMBINED WITH KANSEI
ENGINEERING FOR PRODUCT DEVELOPMENT**



THESIS

ISLAM

Arranged by:

Name : Rafif Elriyanto

Student Number : 15522234

Yogyakarta, November 2019

Supervisor,

A handwritten signature in black ink, written over the 'Supervisor,' text. The signature is cursive and appears to read 'Muhammad Ridwan Andi Purnomo'.

Muhammad Ridwan Andi Purnomo, ST., M.Sc., Ph.D.

THESIS APPROVAL OF EXAMINATION COMMITTEE

**DATA ANALYTICS BASED TOPIC MODELLING COMBINED WITH KANSEI
ENGINEERING FOR PRODUCT DEVELOPMENT**

By:

Name : Rafif Elrienanto

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Was defended before Examination Committee in Partial Fulfillment of the requirements
for the degree of Industrial Engineering Department

Universitas Islam Indonesia

Examination Committee

Muhammad Ridwan Andi Purnomo S.T., M.Sc., Ph.D.

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Member I

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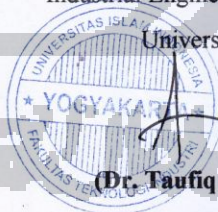
Member II

البعثة الإسلامية
التي في
الاندونيسيا

Acknowledged by,
Head of Department

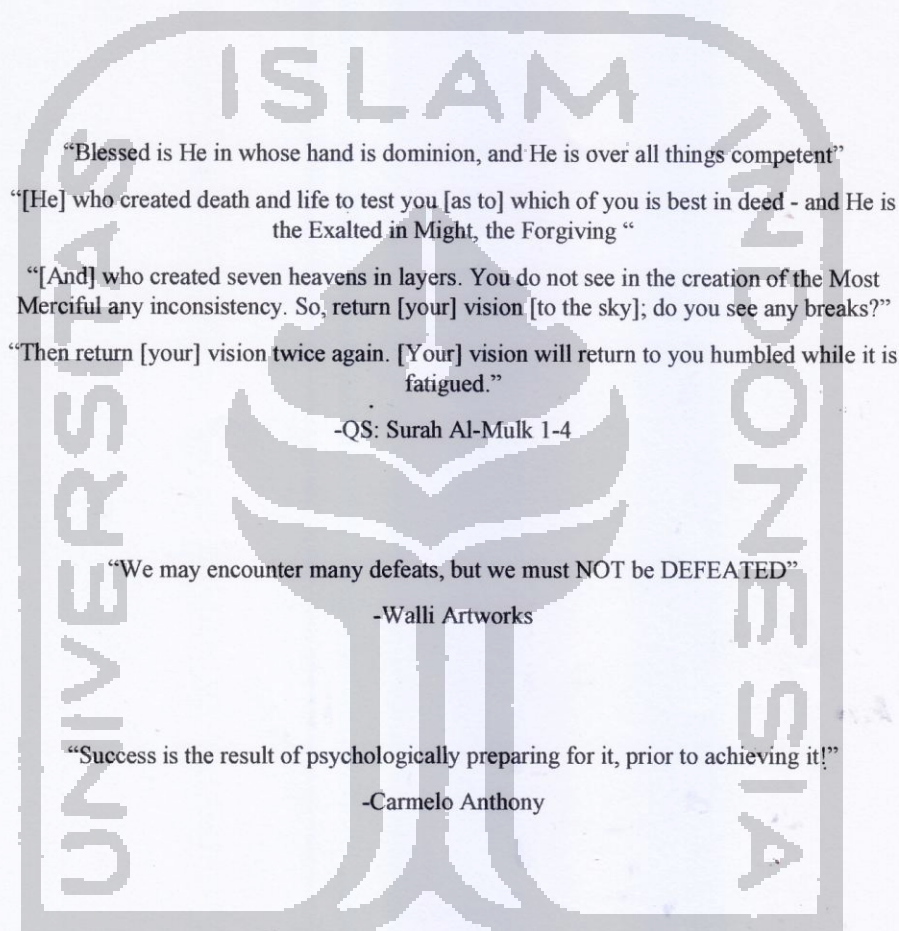
Industrial Engineering – International Program

Universitas Islam Indonesia



(Dr. Taufiq Immawan, S.T., M.M.)

MOTTO



“Blessed is He in whose hand is dominion, and He is over all things competent”

“[He] who created death and life to test you [as to] which of you is best in deed - and He is the Exalted in Might, the Forgiving “

“[And] who created seven heavens in layers. You do not see in the creation of the Most Merciful any inconsistency. So, return [your] vision [to the sky]; do you see any breaks?”

“Then return [your] vision twice again. [Your] vision will return to you humbled while it is fatigued.”

-QS: Surah Al-Mulk 1-4

“We may encounter many defeats, but we must NOT be DEFEATED”

-Walli Artworks

“Success is the result of psychologically preparing for it, prior to achieving it!”

-Carmelo Anthony

وَمَا جَاءَنَا مِنَ الْقُرْآنِ إِلَّا مَوْجِدَاتٍ

PREFACE

Assalamualaikum Warahmatullahi Wabarakatuh

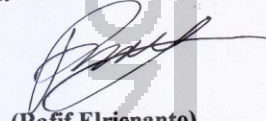
Alhamdulillahirabbil' alamin, praise to Allah Subhanahu Wata'ala for the strength, grace, and guidance, to help the Author in completing this undergraduate thesis entitled "Data Analytics Based Topic Modelling Combined with Kansei Engineering For Product Development". During the thesis project and the process of writing this report the writer can't finish all the work if there is no help from Allah SWT and all the people that support the writer. On this occasion, Author would like to appreciate and thank to all of the parties below:

1. My beloved family members who always give prayers, supports, and encourage Author during conduct and completing this Undergraduate Thesis.
2. Mr. Muhammad Ridwan Andi Purnomo, ST., M.Sc., Ph.D. as the supervisor who always guidance and provide knowledge to assist Author in completing this Undergraduate Thesis.
3. Dean of the Faculty of Industrial Technology, Universitas Islam Indonesia.
4. Head of Undergraduate Program Department of Industrial Engineering, Universitas Islam Indonesia.
5. All lecturers of the Department of Industrial Engineering, Universitas Islam Indonesia who have given knowledge.
6. My friends of International Program Industrial Engineering batch 2015, my senior and my junior for the support, spirit, and enthusiasm for Author.
7. All parties who cannot be mentioned one by one by Author for the assistance in completing this Undergraduate Thesis.

Author realize that this undergraduate thesis is still not perfect and still have some weaknesses so that Author really expect any criticism and suggestions from readers for the perfection of this report. Hopefully this report and information included will be useful for Author and give benefit to other parties who read this.

Wassalamu 'alaikum Warahmatullahi Wabarakatuh

Yogyakarta, November 2019



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