

## AUTHENTICITY STATEMENT

For the sake of Allah, I confess that this work is my own work except for the excerpts and summaries that each of the sources have already been cited and mentioned. If in the future my confession is proved to be wrong and dishonest resulting the violence of legal regulation of the papers and intellectual property rights, then I would have the will to return my degree to be drawn back to Universitas Islam Indonesia.

Yogyakarta, June 2018

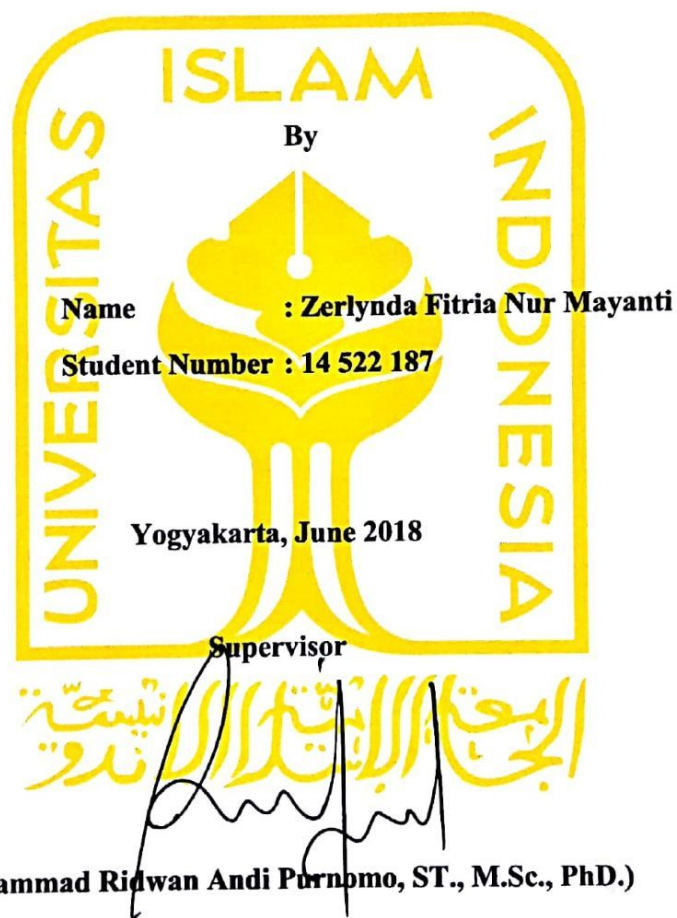


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**THESIS APPROVAL OF SUPERVISOR**

**RISK MANAGEMENT ON MACHINE DEFECTS AT PT. YOSKA  
PRIMA INTI WITH REALITY CHARTING BY APOLLO ROOT  
CAUSE ANALYSIS AND DEFECT FORECASTING BY ARIMA**

**THESIS**



**THESIS APPROVAL OF EXAMINATION COMMITTEE**

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By

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(Dr. Taufiq Immawan, ST., M.M.)

## **DEDICATION**

This thesis is dedicated for my beloved mom, Dra. Jumilah, my father, Nur Siswanta, ST., my inspirational woman, Elly Roslilah S.T.P., Muhammad Fatih Abdur Rahman, my beloved high school friends, Azell, Anita, Na'ima, and Nadia, Industrial Engineering International Program Universitas Islam Indonesia, and all of my friends.

## **MOTTO**

“And ease my task for me”

-QS. At-Taha(20) : 26

“So do not lose heart or be grieved, for you will surely prevail if you are believers”

-QS. Ali-Imran(3) : 139

“Always remember that striving and struggle precede success, even in the dictionary.”

-Sarah Ban Breathnach

## PREFACE

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All praises to Allah SWT. for His gracefulness and guidance so that the author is able to follow and finish entire series of thesis research in PT. Yoska Prima Inti. The research is being conducted on a topic entitled "Risk Management on Machine Defects at PT. Yoska Prima Inti with Reality Charting by Apollo Root Cause Analysis and Defect Forecasting by ARIMA".

In the course of final thesis and report creation, author realizes that the entire activities in the research processes would not work well without help of many entities. Hereby, in this occasion author would like to express gratefulness and gratitude to whole entities involved who are very inspiring and helpful, such as:

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The author realizes that there are still many shortcomings existed and full of weaknesses, here is why critics and suggestions are expected. The author hopes that this report would give advantages and inspiration for the readers.

Wassalamu'alaikum Wr. Wb.

Yogyakarta, May, 2018

A handwritten signature in black ink, appearing to read 'Zerlynda'.

Zerlynda Fitria Nur Mayanti