

**PRODUCT DEFECT ANALYSIS IN SUGAR COMPANY USING  
INTEGRATION OF FUZZY AHP-FMEA WITH SIX SIGMA**

**THESIS**

Submitted to International Program Faculty of Industrial Technology  
in Partial Fulfilment of the Requirements for the degree of Sarjana Teknik Industri



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## 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legal regulation of the papers and intellectual property rights, then I am willing to return my degree I received to be withdrawn by Universitas Islam Indonesia.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, December 2018

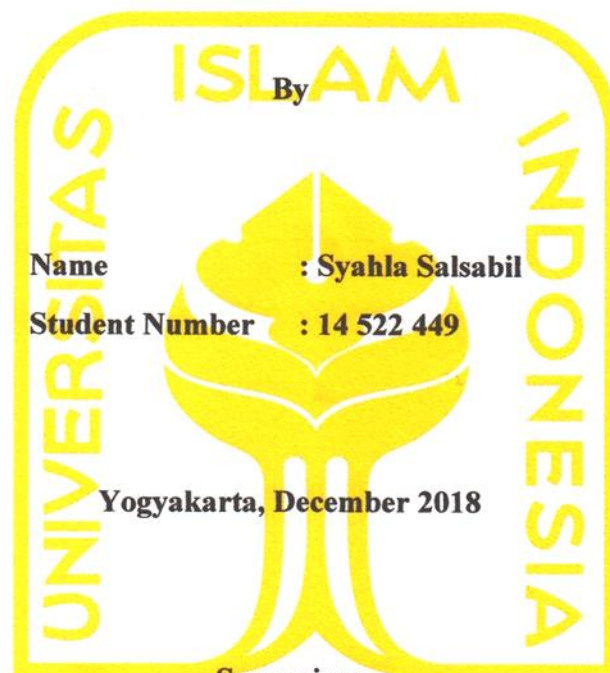


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**THESIS**



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**PRODUCT DEFECT ANALYSIS IN SUGAR COMPANY USING  
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(Dr. Taufiq Immanuel, S.T., M.M.)

## **DEDICATION**

This thesis is dedicated to my loving parents, my mom Nuryani, my dad R. Djoko Sarwono M, and my brother M. Zakky Abiyyu Dzulfithra. I also dedicate this thesis to my beloved friends of Industrial Engineering International Program UII 2014 Family.

## MOTTO

*“Allah does not burden a soul beyond that it can bear” QS Al- Baqarah (02): 286*

*“...Then when you have taken a decision, put your trust in Allah, certainly, Allah loves those who put their trust (in Him).” QS Al-Imran (03):159*

## PREFACE

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

Wassalamualaikum Wr. Wb.

Yogyakarta, December 2018



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