THE WORK OF THE FUTURE WILL BE WHAT ROBOTS CAN'T DO – A RESEARCH STUDY IN INDONESIA

By

Cindy Mareyta
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INFORMATION TECHNOLOGY
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SWISS GERMAN UNIVERSITY

SWISS GERMAN UNIVERSITY
The Prominence Tower
Jalan Jalur Sutera Barat No. 15, Alam Sutera
Tangerang, Banten 15143 - Indonesia

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STATEMENT BY THE AUTHOR

I hereby declare that this submission is my own work and to the best of my knowledge, it contains no material previously published or written by another person, nor material which to a substantial extent has been accepted for the award of any other degree or diploma at any educational institution, except where due acknowledgement is made in the thesis.

Cindy Mareyta

Student _____ Date _____

Approved by:

SWISS GERMAN UNIVERSITY

Dr. Eka Budiarto, S.T., M.Sc

Thesis Advisor _____ Date _____

Dr. Ir. Moh. A. Amin Soetomo, M.Sc

Thesis Co-Advisor _____ Date _____

Dr. Irvan S. Kartawiria, M.Sc

Dean _____ Date _____

ABSTRACT

THE FUTURE OF JOB INDUSTRIES
A RESEARCH STUDY IN INDONESIA

By

Cindy Mareyta
Dr. Eka Budiarto, S.T., M.Sc, Advisor
Dr. Ir. Moh. A. Amin Soetomo, M.Sc, Co-Advisor

SWISS GERMAN UNIVERSITY

The purpose of the research is to find prediction of jobs in the future. The methodology used to find the prediction is using web data mining. The data is first collected from websites using web scraping software and then evaluated using k-Means clustering which is one of traditional data mining techniques. There are currently two list of jobs found based on the datasets result from web mining. The first list of jobs specify job that are predicted to extinct in the future. The second result contain list of jobs that are predicted to survive in the future. Many jobs that requires repetitive works such as operators and administrative jobs are predicted to extinct in the future. In order to survive robot revolution, humans have to have continue learning skillsets that are lacking in robots such as creative skillset and character building.

Keywords: Disruptive, Technology, Future, Job, Prediction, Webmining

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DEDICATION

I dedicate this works for the future of the country I loved: Indonesia

For the school I honored: Swiss German University

For my teachers, families and friends wherever you are

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I have found my coursework throughout the Curriculum and Instruction program to be stimulating and thoughtful, providing me with the tools with which to explore both past and present ideas and issues. It's been an honor and blessing to be able to learn and meet friends for life here in Swiss German Universities under the supervision of all my Professors.

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TABLE OF CONTENTS

Page

STATEMENT BY THE AUTHOR 2
ABSTRACT 3
DEDICATION 5
ACKNOWLEDGEMENTS 6
TABLE OF CONTENTS 7
LIST OF FIGURES 8
LIST OF TABLES 9
CHAPTER 1 - INTRODUCTION 10
1.1. Background 10
1.2. Objectives 11
1.3. Hypothesis 12
CHAPTER 2 - LITERATURE REVIEW 13
CHAPTER 3 – RESEARCH METHODS 18
3.1 Research Method 18
CHAPTER 4 – RESULTS AND DISCUSSIONS 21
4.1. Result of Data Collection 21
4.1.1. First Dataset Collection 21
4.1.2. Second Dataset Collection 24
4.1.3. Third Dataset Collection 26
4.1.4. Fourth Dataset Collection 27
4.2. Clustering Calculation 28
4.2.1. K-Means on Jobs Predicted to Extinct 28
4.2.2. K-Means on Jobs Predicted to Survive 32
4.2.3. K-Means Result on Skillset Replaceable by Robots 35
4.2.4. K-Means Result on Skillsets Irreplaceable by Robots 36
4.3. Results on Comparative Analysis 36
CHAPTER 5 – CONCLUSIONS AND RECCOMENDATIONS 39
5.1 Conclusions 39
5.2 Recommendations 39
GLOSSARY 41
REFERENCES 42
CURRICULUM VITAE 44

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