



PROJECT REPORT

Twitter Hashtags Classification Using Knuth Morris Pratt
Algorithm

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INFORMATICS ENGINEERING DEPARTMENT
FACULTY OF COMPUTER SCIENCE
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APPROVAL AND RATIFICATION PAGE
PROJECT REPORT

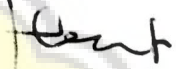
Twitter Hashtags Classification Using Knuth Morris Pratt Algorithm
by

Alexander Kenny Wikarta – 09.02.0010

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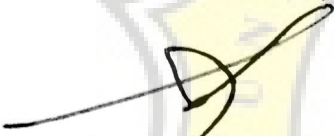
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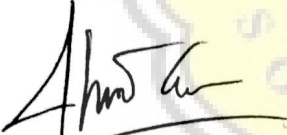

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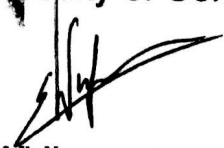

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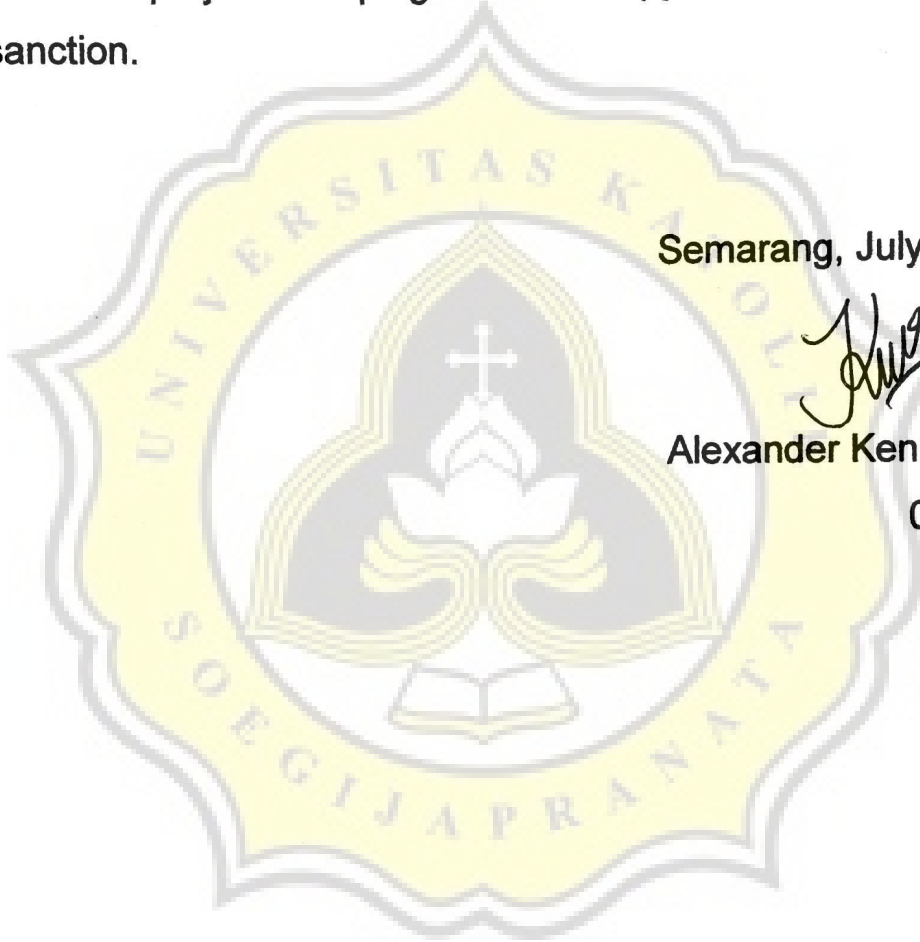
STATEMENT OF ORIGINALITY

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A handwritten signature in black ink, appearing to read 'Alexander Kenny Wikarta', is written over the logo.

Alexander Kenny Wikarta

09.02.0010

ABSTRACT

Twitter has become one of the most popular social media. It content many informations of user posted. People are often wasting time to find specific information from Twitter posts. By this situation, people are often spent more time to look informations they want.

This project is talking about how Knuth Morris Pratt (KMP) String Matching Algorithm is implemented in Twitter Hashtags searching using Twitter API. This project will using four steps of research methodology. First, analysis of initialization will be conducted as for preparing data structure and Twitter API. Second, the design will be designed based on initialization. Third, implementation will be conducted as for how the program will run. Fourth, testing the program with Knuth Morris Pratt algorithm implemented.

This program will request posts using Twitter API to connect data from Twitter database. Then it will processing the data with Knuth Morris Pratt algorithm, to check wether it contain the same word with hashtag string pattern or not. User will input the hashtag string pattern from the configuration file. As the result, this program will show user their wanted informations or posts.

Keywords : *Knuth Morris Pratt, Hashtag, API.*

PREFACE

This project describe about hashtags searching on Twitter as social media. This project organized by six chapters. The First chapter contain the background and scope of this project. Chapter two contain literature about data structure, array list and algorithm of the project.

The chapter Three contain analysis of the situation problem that will be used to make design project. The result will be used in the implementation section in chapter four.

Chapter five will contain the implementation of this project. Each process will be explained and will be tested in testing section. On the last project, there will be conclusion and further research.

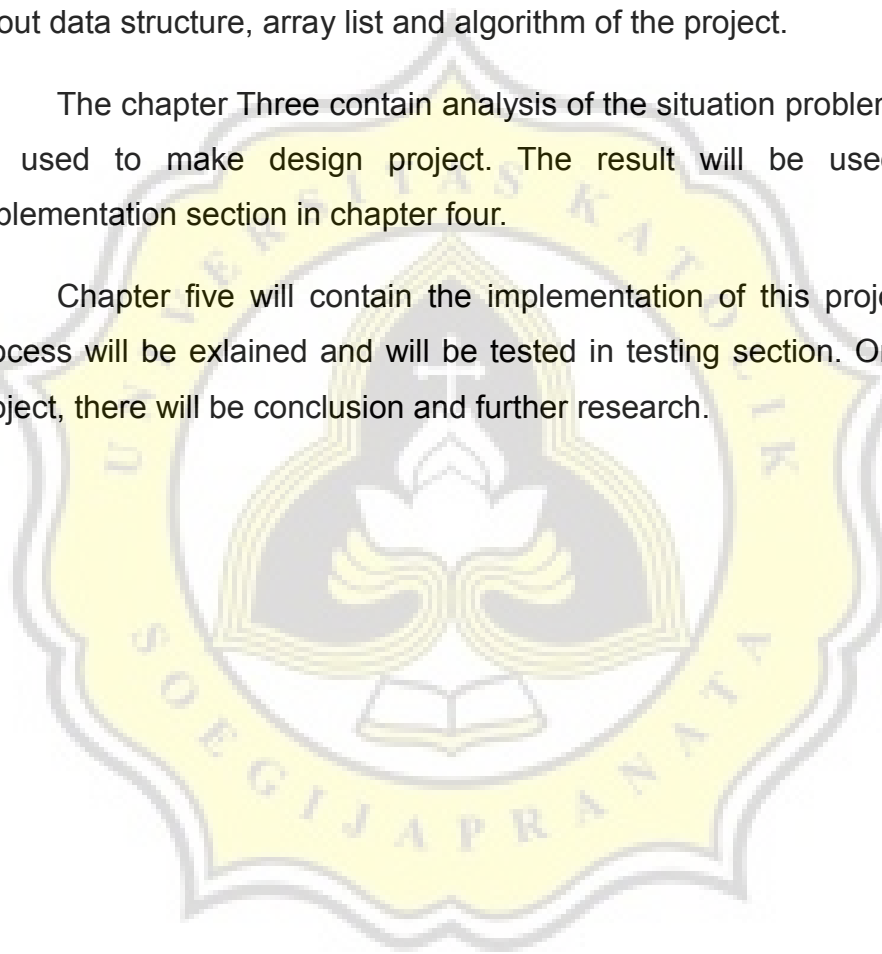


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