CROWDSOURCING AND ARTIFICIAL INTELLIGENCE APPROACH IN PLAGIARISM DETECTION

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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.

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Chairman of the Examination Steering Committee Date

ABSTRACT

CROWDSOURCING AND ARTIFICIAL INTELLIGENCE

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Internet has made plagiarism more easier for students and many others, however internet also help in detecting plagiarism. Applications based on machine learning have also been made, but there are still some problems that AI cannot solve. Crowdsourcing had been widely used around the world for many purpose(e.g. Research and Development, Logo and Design, Information Aggregation, etc), yet it's application for plagiarism detection was very little. The primary purpose of this research paper is to determine the effectiveness and flaw of both crowdsourcing and AI approach in detecting plagiarism. From the result it can be seen that the prototype system of crowdsourcing system has been used to prove crowdsourcing can be used to help detect plagiarism and using AI was not always the best way to detect plagiarism. Advancement in this research, the author suggest that a complete system should be made instead of using prototype system and designing of a hybrid system(computer aided crowdsourcing).

Keywords : Crowdsourcing, Plagiarism, web-based plagiarism detection tools.

DEDICATION

I dedicated this thesis to God, to my country, Indonesia, my parents, my brother, my sister, and all of my friends, especially my colleagues in Swiss German University.

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