PARAPHRASING DETECTION SYSTEM DEVELOPMENT IN DEPARTMENT TECHNICAL INFORMATION ITS

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ABSTRACT

The increasing digital technology makes it easier to reuse content, or content. In the academic world, reuse of content without giving the award can be categorized as an act of plagiarism. With the emergence of cases of plagiarism in the academic world is very detrimental to many parties, one example is the decline in credibility because of the lack of rigor in the testing process. On the one hand, the number of publications in circulation is very large, then the amount of paper to be published are also very large will make the examiner to examine one by one.

To solve the above problems, the researchers developed a web-based system to support the prevention of plagiarism. The methodology is using the System Development Life Cycle (SDLC) with some adjustments in accordance with the context of the problem. The stages to be implemented are: literature studies, analysis and system design, implementation, and testing.

In this study, the prevention of plagiarism detection is done through paraphrase documents. The algorithm used is the winnowing algorithm that generates a fingerprint of the test document, and then compared with the fingerprint reference document, and then will know the percentage of similarity between documents that were tested with the reference document. To simplify the classification of documents that were tested, then used a similarity threshold value above which the detection results when the value of the paraphrases it has been alleged in the document under test.

Key Words: Plagiarism, Paraphrase Detection, Winnowing Algorithm, System Development