

ABSTRACT

Plagiarism is an act of fraud by others without the knowledge of the original author. In Object Oriented Programming (OOP) several times found students who do plagiarism, especially during the assessment and task implementation. As a result, the students' ability to understand PBO is not achieved.

Therefore, the authors offer a solution with this Final Project to facilitate plagiarism examination of Assessment and student assignment by using Application Plagiarism Detection which has 2 main features that is checking plagiarism and assessment of source code. In addition to checking the similarity of the source code and rate the source code of this application can also save the results of the source code checks and display them again. This application is created using prototype method and Java programming language.

From the results of white box testing this application is able to detect the resemblance of source code. However, it still has a deficiency of the limitations of the files entered which still amounted to 2 files only. Then for the assessment feature source code has also been successfully identified the parts of the source code such as class names, variables, procedures and functions. However, this feature also still has the disadvantage of not being able to detect if there are 2 variables in 1 line and can only detect primitive variables.

Keywords: plagiarism, OOP, assessment, assignment, students, prototype, white box