

Abstract

The practice of plagiarisme is done by copying and modifying source code or program code when students have to complete the tasks assigned by lecturer. The usual modifications include changing comment, changing the character of white space and layout program, identifier renaming, changing the order of program code blocks, change the order of statements in program code blocks, change the order of operators in the expression, change the data type, adding the unnexessary variables and statements, replace the control structure which is equivalent to other structure and insert the procedure and function declaration into the main program[7].

At this final project implements the Edit Distance algorithm to obtain the similarity between to or more source code. Edit Distance algorithm is one of algorithm to find similarity between to string. Edit Distance Algorithm will search for the smallest amount of change obtained from insertion, deletion and substitution string which is needed to transform one set of string to another string collection. Thus, the Edit Distance Algorithm would be able to find the similarity between two source code. The research was carried out by combining a variety of algorithms to simplifly the source code to get the desired result.

Keyword : *plagiarisme, source code, pascal, edit distance, source code simplification*