

Abstract

PHP or Hypertext Preprocessor is a server-side scripting language that integrates with HTML to create dynamic web pages. PHP is a programming language that is most widely used by programmers in the present.

In the development of a web application, measurement of quality is important for engineering. One of which is the measurement of reusability metrics. In the development of a web reusability is required in measuring the quality of a web programming. Reuse of the software is expected to save resource and web programming development time, and produce modules with higher quality. However, a tool to calculate the value of a code reusability PHP programming language is not yet available. Therefore, this study serves to solve the problem.

First, this system built with identification of reusability metric. Then for matching strings of text, such as particular characters, words, or patterns of characters using regular expression in PHP. The result has been validated (have index of accuracy 100%) by expert who lecturer and has been certified OOAD (Object Oriented Analyst and Design). In addition, these system has score 100% in index of accuracy with manual testing.

Keywords: reusability, PHP, OOP, Metric, the quality of the software.