

Abstract

Object Oriented Metrics is a functional approach to measurement and analysis of data on object-oriented design that focuses on the combination of functions and data as an integrated object. Metric is the result numerisasi on the design of applications using Object Oriented design on its development process. Things that are needed in the measurement metric is the amount of inheritance in a class, the coupling between the method on a class, coupling between object attributes, the number of methods in an object. The absence of metric measurement applications are available for measuring application built using a framework for measurement metrics program is constructed to measure the value of metrics on an application that uses a framework.

Metric measurement program can measure the quality of ATM Simulation java Swing applications and applications Sales Processing System framework Google Web Toolkit. Metrics that measure consists of CBO, NOC, DIT, WMC and RFC. The five metrics are included in the Chidamber and Kemerer (CK) metrics. Analysis of the measurement program metrics on Sales Processing System has high reusability and maintainability of the application while the ATM Simulation have usability, maintainability, testability is high.

Key words: metrics, coupling, inheritance, framework