

Abstract

Along with the development of programming, many people begin to develop object-oriented software. Now, people start to leave structural programming technique because it is less supportive in maintainability. Software development pattern based on object is preferable because this technique makes software development more rapid and structured. More data types, processes and users will make the system more complex. Nowadays, the development of information system commonly use object oriented pattern and based on MVC (Model View Controller) which consists of interface module for display, model for setting connection to database and controller which maintain the relation between interface and model. Code structure on MVC called code design.

In this Final Paper, the writer built information system using development method based on MVC which is called academic information system of Politeknik Pos Indonesia. Afterwards, the information system which is built using Lanza-Marinescu method is evaluated. This system is built using Java Server Pages(JSP) which supports object-oriented technique and based on MVC. The purpose of evaluation is to know the measurement and design quality which is built using MVC pattern. The measurement from system covers System Size and Complexity, System Coupling and System Inheritance.

Keyword: *Object-Oriented, design, MVC, evaluasi, metode Lanza-Marinescu, code, JavaServer Pages, metric.*