

## Abstract

Accounting information system is an information system which possess a function and purpose to gather, process, and report all financial transaction related information. As period development, the economical activity has reach a point where speed and precisement of occupation is becoming a performance measure of an economical person. The necessity of an accounting information system is absolutely needed to support a company operational activity. For that, it is unlikely no more if a software designer has to make an accounting information system right form the bottom. If there is a pattern for designing an accounting information system, then the developer can refer to that pattern by adding some specification they needed without having to design from ground zero.

Design pattern is an elegant and simple solution for a typical problem in designing software using object oriented method. In other word, design pattern has provide some solutions for some common case of design. Right now there is 23 patterns allowing designer to create more flexible, elegant, and ultimately reusable design without having to rediscover the design solutions themself.

In this final assignment, the design pattern will be implemented to build an accounting information system software based on case study at PT. TTI Trans Global. PT. TTI Trans Global are one of the company specialized in coal trading to fulfill domestic and international market. Because the swift of financial traffic, the company need an information system to support its operational activity. This information system later expected will be able to gather, process, and report all the company related financial transaction information and also will be able to be accessed on-line.

Method to be implemented in this final assigment is object oriented design pattern in defining the system requirments which will be developed. For modelling, Unified Modelling Language and Rational Rose will be used. For implementation, this software will be using pascal programming language with Borland Delphi as interface.

**Keywords: design, pattern, object oriented, accounting.**