

## ABSTRACT

One of programming technique that popular nowadays is Object-Oriented programming which encapsulates attributes and operations into single unit called object. Java is one of the programming language which is object oriented. Java is already been used in many software building and development, general application development to enterprise application development. J2EE is one of many technologies that java use to build an application, that need a container such as EJB. Though some developer perceive that the API from EJB has complex specification.

In this final task, i will try to implement the attribute oriented programming, so that the software development process and the software maintenance process will be easier. The software is developed by using EJB 2.1 with *object oriented approach*, and also with attribute oriented approach using XDoclet and EJB 3.0. Based on these approaches, we could see that development process using the attribute could reduce the complexity of writing code program and has a better maintain value.

Keywords : object, attribute, EJB, XDoclet, maintainability