DEVELOPMENT OF AN INTERACTIVE WEB-BASED APPLICATION FOR LEARNING THE BASIC OF JAVA PROGRAMMING (CASE STUDY DEPARTMENT OF INFORMATION SYSTEMS ITS SURABAYA)

Name: Irfan Satria Sipahutar  
NRP: 5208 100 101  
Department: Information System FTIF-ITS  
Supervisor I: Dr. Eng. Febriliyan Samopa, S.Kom, M.Kom  
Supervisor II: Radityo Prasetianto Wibowo, S.Kom, M.Kom

ABSTRACT
During this process of learning through e-learning still insufficient due to the e-learning content contains only material that was later downloaded and then studied individually by the user. The use of e-learning supposedly can help users to learn material interactively. An interactive e-learning course can create a learning process that is effective and efficient.

One example of the insufficient use of e-learning is e-learning for learning the Java programming language. The current existence of the e-learning web to learn the Java programming language interactively are still few. Whereas e-learning can also be used as a interesting container for learning a programming language. E-learning that aims to help learn the Java programming language would be very useful, especially to students who want to learn Java programming.

In this final task, the authors developed a web-based application to learn the Java programming language. The materials contained are based of the curriculum of Algorithm and Programming 1 course in the Department of Information System ITS. Hopefully the application will be useful to society especially
Information System students in studying the courses Algorithm and Programming 1.

Keywords: Java, Programming Language, E-learning