

## ABSTRACT

Learning process is the main activity in a university. The succeeded of a learning process is not only depending on the student but also on the lecturer and the learning environment. Thus, the lecturer needs to have an ability to motivate the student to keep learning and concerned about their lecturing method they have applied. Responding to the developing of knowledge and technology that become faster, there are some competitions in every aspect of life. Take an example in education aspect, so that this aspect needs to raise their quality by integrating Information and Communication Technology (ICT). Institut Teknologi Telkom in order to achieve their vision to become international class university in the front line of information communication aspect and become the changing agent to create intelligent and competitive human, needs to raise their quality in learning process because in this learning process is the core process of IT Telkom that give the biggest financial contribution. Some facilities and technology that is provided by IT Telkom has created chances to develop the learning process based on ICT, e-learning for example.

In this final project, e-learning is made as an example of the learning process based on ICT. There are few steps in the making of e-learning. First step is identify and introduction, this step includes problems observation, determine the objectives of the research and solving problems observation. Second step is model making to collect some data. Third step are analyze and making a plan for the system. Fourth step are developing the software and final evaluation. Last step is making the conclusion and suggestions.

The conclusion of the research that has been done is that e-learning, with their features includes, there are pre test that is can motivate for student study before learning process, post test that is can be used as a understand measuring tool for subject that has been done by lecture, sharing file as source of knowledge, discussion forum as a media to share knowledge, and e-library as a media to save source of knowledge. With e-learning, it can motivate the students and also raised the quality of learning process in a university.

Kata kunci : *designing*, ICT, *e-learning*