

ABSTRACT

Learning activity is the most vital activity to a college. a successful learning activity doesn't only depend on student's ability, but also on supporting facilities. The lesson that is taught is one of supporting facilities. The development of science and technology which increases rapidly has given a great influence on many humanity sides, including science, thus an innovation of learning activity is needed to make it appropriate for nowadays condition. Telkom Institute of Technology which has a vision to become a college with international standard on information technology science needs to create an innovation of learning activity, because that is the core activity of it. Besides, the availability of facility which is based on ICT (Information and Communication Technology) will be the supporting factor to development of this learning activity.

In this Final Assignment, a design of e-learning content of TRIZ –which is one of Product Designing lessons- will be created. TRIZ is chosen because it is the most difficult lesson for the students to understand to. This problem is caused by limited sources that are available for students to learn. Therefore, this design of e-learning aims to be the easiest way to learn Product Designing, so the students will get TRIZ more understandable in order to achieve a successful learning activity.

Based on this research, it is conclude that designing of TRIZ e-learning content is appropriate and suitable to be the supporting facility on Product Designing. This conclusion is based on the fact that students understand the lesson more quick after served by this e-learning application. By this e-learning application, students are hoped to be more motivated to learn better in order to achieve the quality of IT Telkom learning activity.

Keyword: e-learning, Moodle, design, TRIZ.