

## **ABSTRACT**

Information technology is currently being developed rapidly, resulting in a change from many aspects, including education. In the world of education, information technology utilized by the development of online learning system, because with the online learning system can facilitate the learning process.

The learning process in Indonesia is still widely used classical models, which is carried out at the class meeting (face to face), so the learning process is very limited with time, and the opportunity to discuss in the classroom is also limited. In addition, there are many lectures in delivering learning materials in one direction only, so it will cause the students are more passive and quickly bored. Collaborative learning (CL) Model is considered able to solve the above problem, because in the CL model students are invited to be active in participating in the learning process. However, in the implementation of CL requires a lot of time, while relying solely on class meeting will of course be greatly restrict the process of CL.

In this final project will be developed CL models online so the discussion can take place anywhere and anytime. Although there have been some Learning Management System (LMS) that have implemented the model CL, but the processes that existed at the LMS is considered so complex that the CL is not the primary focus. Therefore, in this final project will be developed models of CL on an online learning system with the goal of CL models become the primary focus in the learning activities, so that the learning ability of students is expected to be increased.

**Keywords:** collaborative learning, online learning, and LMS