

## Abstract

One of the pattern conditions of doing the research of final assignment is that a lecturer supervises several students with the same topics but with different methods. The condition is interrelated due to the information needs that are correlated so that it is possible to cooperate/learn together to finish the final assignment. This learning process approach is called collaborative learning. However this process has limitation in terms of face-to-face meeting between the students and the lecturers so a good media is needed to find the solution of this problem. To create a good media, there is one important part : user interface that fulfills the usability.

The bad user interface can make the system which does not function well. The product or the system that do not function well might be caused by the imperfection or inappropriateness with the needs that the user wants. Based on the consideration, a need analysis is conducted (taken from the lecturers and the students) since every person has various needs in doing the supervising of final assignment. Therefore, the method used is the application of UCD (User Centered Design). The greatest advantage of this application is that it can give needs definition of system users more accurately. This method is used to create a user interface model which is suitable with the experience and needs of the users.

The stages in analyzing user interface using UCD are: specify context of use, specify requirement, produce design solution, and evaluate designs. In the stage of evaluate design, a usability test is conducted using the factor of QUIM (Quality in Use Integrated Measurement). This research related in a user interface model of final assignment supervising application in the form of collaborative learning that is suitable with the characteristics and needs of the users and fulfills the usability element.

**Key words** – Final Assignment, Supervision, Collaborative Learning, User Centered Design, User Interface, usability, and QUIM (Quality in Use Integrated Measurement)