

## Abstract

Web 2.0 is a facility which can be applied as a learning media, or known as e-learning. Web 2.0 is the second generation of web based service with more advantages, especially for education world. Nevertheless, this facility has not been optimally used to support the education quality improvement. It is due to the applicability of Web 2.0 application for e-learning whereas not all the application of Web 2.0 is suitable for e-learning as it depends on the needs of the institution.

This final project implements several features of web 2.0 such as blog, forum, chat, wiki and rss in Learning Management System (LMS) Moodle with the e-learning case study of KBK RPLD. The Implementation of feature web 2.0 in LMS Moodle is conducted with optimizing several integrated features and adding several new features.

To identify applicable feature of web 2.0, deep analysis is conducted. It is done by measuring the usability from the feature of web 2.0 and by identifying the characteristic of the *user* as well. Analyzed Usability consists of three parameters (effectiveness, efficiency and satisfaction) and 17 sub parameters to enable the *user* to do the testing towards the feature of web 2.0.

From the result of usability and *user* characteristic analysis, it can be concluded that the usability of web 2.0 features in LMS Moodle is influenced by the *user* experience in using the web 2.0 and the age of the *user*.

**Keywords : Web 2.0, LMS Moodle, e-learning, usability**