ABSTRACT

With the progress of information technology, e-learning is becoming promising. Building high-level satisfaction e-learning system to improve learning effect is a new trend to successful education. The assessment of Internet learning is related to teaching platform and operation process. However, Internet teaching design plays the most important role on learners’ motives and effects. Moodle is gradually used in elementary and high schools because its freedom, openness and great function. The study utilizes Technology Acceptance Model added with the structure of system quality, material quality, computer self-efficacy in terms of learners’ perception behavior. The samples collected from 351 junior high school students were conducted through experimental teaching and the survey in order to know how Moodle learning system lead the learners to learning satisfaction and learning effect. The following is the results of the study: 1. Perceived usefulness is the key element to affect learning satisfaction, and learning satisfaction will affect cognitive performance. 2. Material quality is important for perceived usefulness. 3. Learning effects vary in genders. Female learners did better than male learners. 4. Experienced learners also had better attitude, satisfaction and computer self-efficacy than non-experienced ones.

Keywords: Technology Acceptance Model; Learning Satisfaction; Learning Effect