Analysis of User Experience Ability of KB Students Against Fruits Zone Applications Using System Usability Scale Method

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ABSTRACT

The success of the learning application can be assessed by the level of student engagement in the learning process. UX evaluation of the Fruits Zone application aims to assess the improvement in knowledge development of Early Childhood Education (ECE) students. The evaluation method involves System Usability Scale (SUS), User Acceptance Testing (UAT), as well as pre-test and post-test on ECE students. The Fruits Zone application was piloted with two teachers and eleven ECE students at PAUD Alamanda 105, located in Jumerto Village, Patrang District, Jember Regency. Observational results indicate that the System Usability Scale method yielded a score of 88.75 on the Grade Scale, categorizing it as Grade A, and the Adjective Rating showed Excellent results. Additionally, the UAT calculation yielded a score of 90.90%, falling into the excellent category. The use of pre-test and post-test methods on ECE students showed a knowledge improvement of 90.91%. These results indicate that the Fruits Zone application successfully serves as a learning tool for introducing fruits, as evidenced by the increase in ECE student knowledge.

Keywords: UX Analysis, System Usability Scale, User Acceptance Testing, Pre-test, Post-test, ECE students, PAUD Alamanda 105.