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EVALUASI *USABILITY* PADA SIMPEL SMAN 12 SEMARANG DENGAN METODE *USABILITY TESTING*

ABSTRAK

Sistem Manajemen Pembelajaran (SIMPel) SMAN 12 Semarang adalah sistem yang menyediakan fitur-fitur yang digunakan untuk memudahkan pembelajaran secara online. Sistem pembelajaran online di suatu sekolah berperan sangat penting, dikarenakan dapat membantu pihak sekolah untuk meningkatkan proses belajar. Penelitian ini bertujuan untuk mengukur ketergunaan atau *usability* dari SIMPel SMAN 12 Semarang. Terdapat empat aspek *usability* yang digunakan dalam penelitian ini, yaitu *effectiveness*, *efficiency*, *learnability*, dan *satisfaction* yang kemudian digunakan sebagai aspek penilaian. Penelitian ini dilakukan untuk mengetahui tingkat *usability* sistem bagi para user dengan menganalisis permasalahan yang dihadapi oleh user ketika menggunakan sistem. Sebanyak 13 responden penelitian yang terdiri dari 3 responden staf administrasi, 5 responden guru, dan 5 responden siswa, dipilih untuk melakukan *usability testing* pada sistem. Dari hasil evaluasi sistem yang dilakukan dengan responden staf administrasi dan guru, didapatkan hasil aspek *effectiveness* mencapai 97,5%, aspek *efficiency* 95,5%, aspek *learnability* 94%, dan aspek *satisfaction* mencapai 88%. Sedangkan hasil pengujian yang dilakukan pada sistem dengan responden alumni didapatkan nilai aspek *effectiveness* mencapai 100%, aspek *efficiency* 100%, aspek *learnability* 93,6%, dan aspek *satisfaction* 88,8%. Dari hasil tersebut, dapat disimpulkan bahwa SIMPel SMAN 12 Semarang adalah sistem yang sangat layak untuk digunakan dan sistem tersebut dapat digunakan

sesuai kebutuhan user. Hasil wawancara dengan responden menghasilkan rekomendasi yang kemudian dapat digunakan untuk perbaikan sistem.

Kata Kunci: Evaluasi, Sistem Manajemen Pembelajaran, *Usability*, *Usability Testing*

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USABILITY EVALUATION ON SIMPLE OF SMAN 12 SEMARANG WITH USABILITY TESTING METHOD

ABSTRACT

The Learning Management System (SIMPel) of SMAN 12 Semarang is a system that provides features that are used to facilitate online learning. The online learning system in a school plays a significant role because it can improve the learning process. This study aims to measure the usability of SIMPel SMAN 12 Semarang. There are four aspects of usability used in this study: effectiveness, efficiency, learnability, and satisfaction, which are then used as aspects of assessment. This research was conducted to determine the usability of the system for users by analyzing the problems faced by users when using the system. A total of 13 research respondents consisting of 3 administrative staff respondents, five teacher respondents, and five student respondents, were selected to perform usability testing on the system. From the results of the system evaluation conducted with administrative staff and teacher respondents, it was found that the effectiveness aspect reached 97.5%, the efficiency aspect was 95.5%, the learnability aspect was 94%, and the satisfaction aspect got 88%. Meanwhile, the results of tests carried out on the system with alumni respondents showed that the effectiveness aspect reached 100%. The efficiency aspect was 100%, the learnability aspect was 93.6%, and the satisfaction aspect was 88.8%. From these results, it can be concluded that SIMPel SMAN 12 Semarang is a very feasible system to use, and the system can be used according to user needs. The

results of interviews with respondents resulted in recommendations that could then be used to improve the system.

Keywords: Evaluation, The Learning Management System, Usability, Usability Testing