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The Effectiveness of E-Learning System with Design Features as Mediating Variable

Abstract: The use of information system in education was increasing. This increase was due to the emergence of the Covid-19 virus outbreak so that the learning system changed from offline to online. This research aimed to examine the effect of technology acceptance, learning strategies, and cognitive assessment on the effectiveness of e-learning system with design features as mediating variable. The research was conducted at Hasanuddin University with total number of respondents are 295 students in the accounting department. The data were processed using structural equation modeling. The test result showed that through design features, POU, PEOU, deep learning had a positive effect on the effectiveness of e-learning system. Meanwhile, surface learning had a negative effect on the effectiveness of e-learning system. In addition, the result of this research indicated that challenges had no positive effect and threats had no negative effect on the effectiveness of e-learning system. These results indicated that users will experience the benefits and convenience of e-learning system supported by a platform that has good design features. In addition, users will prefer to learn with deep learning approach so that they can improve learning effectiveness.

Keywords: Technology Acceptance, Learning Strategies, Cognitive Assessment, Design Features, Effectiveness of e-Learning System

Efektivitas System E-Learning dengan Design Features sebagai Variabel Mediasi.

Penggunaan sistem informasi dalam pendidikan semakin meningkat. Peningkatan ini disebabkan munculnya wabah virus Covid-19 sehingga sistem pembelajaran berubah dari offline menjadi online. Penelitian ini bertujuan untuk menguji pengaruh penerimaan teknologi, strategi pembelajaran, dan penilaian kognitif terhadap efektivitas sistem e-learning dengan fitur desain sebagai variabel mediasi. Penelitian ini dilakukan di Universitas Hasanuddin dengan jumlah responden sebanyak 295 mahasiswa jurusan akuntansi. Pengolahan data menggunakan pemodelan persamaan struktural. Hasil pengujian menunjukkan bahwa melalui fitur desain, POU, PEOU, deep learning berpengaruh positif terhadap efektivitas sistem e-learning. Sementara itu, surface learning berpengaruh negatif terhadap efektivitas sistem e-learning. Selain itu, hasil penelitian ini menunjukkan bahwa tantangan tidak berpengaruh positif dan ancaman tidak berpengaruh negatif terhadap efektivitas sistem e-learning. Hasil ini menunjukkan bahwa pengguna akan merasakan manfaat dan kenyamanan sistem e-learning yang didukung oleh platform yang memiliki fitur desain yang baik. Selain itu, pengguna akan lebih memilih untuk belajar dengan pendekatan deep learning sehingga dapat meningkatkan efektivitas pembelajaran.

Kata kunci: penerimaan teknologi, strategi pembelajaran, penilaian kognitif, design features, efektivitas sistem e-learning,

