

## Perancangan Sistem dan Analisis *e-Learning Readiness* Mahasiswa Studi Kasus: Mahasiswa S1 PJJ Informatika Universitas Telkom

Agung Cesario Gunawan<sup>1</sup>, Anisa Herdiani<sup>2</sup>, Gede Agung Ary Wisudiawan<sup>3</sup>

<sup>1,2,3</sup>Fakultas Informatika, Universitas Telkom, Bandung

<sup>1</sup>agungcesario@students.telkomuniversity.ac.id, <sup>2</sup>anisaherdiani@telkomuniversity.ac.id,

<sup>3</sup>degunk@telkomuniversity.ac.id

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### Abstract

*The development of information technology in recent years has encouraged universities to use information systems to support the main business process, namely the educational process, which is by implementing e-Learning. S1 PJJ Informatics of Telkom University study program is a bachelor of informatics study program with a distance education mechanism called PJJ (Pendidikan Jarak Jauh) where the learning process can be carried out anytime and anywhere with the support of learning tools and adequate communication networks or commonly referred as e-Learning. In this e-Learning system, student readiness is required in participating in e-Learning which is referred to as e-Learning readiness. To ensure that students are ready to participate in e-Learning, the website was built that can measure e-Learning readiness and provide treatment in the form of a guidance page which is expected to raise awareness for students so that they can set the right strategy to improve their readiness. The results of the measurement showed that 34 students' of S1 PJJ Informatics of Telkom University have a readiness level at ready level, but need a little improvement in implementing e-Learning (Index  $3.4 \pm 4.19$ ) on the dimensions of Self-directed learning, Learner Control, Motivation for Learning, and Online Communication Self-efficacy, and ready to implement e-Learning (Index  $4.2 \pm 5$ ) on the dimension of Computer/internet self-efficacy based on the readiness index of Aydin & Tasci with the highest readiness on Computer/internet self-efficacy and Learner Control with the lowest readiness. From this measurement, it was also found that the maturity/maturity of students' age affects students' readiness to participate in e-Learning.*

**Keywords:** *e-Learning, e-Learning readiness*

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