ABSTRACT

The online teaching and learning process in the S1 Industrial Engineering study program Telkom University has not implemented a Learning Management System (LMS) provided by the University as a whole in every subject. This study aims to obtain results concerning the readiness of students, lecturers, and universities in the application of e-learning based learning which is currently being carried out by the university massively.

The initial step of this research is to conduct a preliminary study by distributing questionnaires about the conditions of the application of e-learning, then identification of respondents will be examined. The sampling method used in this study is conviniences sampling technique. Samples were chosen because they exist at the appropriate time and place. Obtained as many as 94 respondents from students and 14 respondents from lecturers, and 2 from the university. The data that has been obtained based on the results of a questionnaire survey distributed to respondents, will then be processed and interpreted results according to Aydin & Tasci's readiness measurement scale.

The results of this study show that the readiness of students and lecturers as seen from the factors measured shows the average score of each factor based on the rating scale developed by Aydin & Tasci in the range of ready grades that is above 3.4, but there are 2 factors that have a range of values not ready in the application of e-learning that is motivation and perception of usability factors that have a readiness value below 3.4 and need some improvement so that users can feel the impact of the use of e-learning.

Key words : E-learning, E-learning Readiness, Aydin & Tasci, Bachelor program in Industrial Engineering Telkom University.