FACTORS ANALYSIS AFFECTING THE BENEFITS OF E-LEARNING IN DOMESTIC SMK SURABAYA USE STRUCTURAL EQUATION MODELING (SEM)

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ABSTRACT

The purpose of this research is to measure and examine the factors that affect the benefits of e-learning using a model adapted from DeLone and McInerney, modified by adding two new variables, namely Users Characteristic (KPE) and Subjective Norm (NS). Both of these variables are necessary because the characteristics of learners can form different perceptions of the e-learning system and see how social influences affect e-learning systems. To measure the suitability of the model and see the relationship between the variables using SEM methods. Bootstrap method is used to help the process of analysis because research data are not normally distributed.

Data collected by distributing questionnaires to teachers and students in three SMK Surabaya who have e-learning system that is SMKN1, SMKN2, and SMK 12 Surabaya. The results showed that variable Subjective Norms (NS) and Service Quality (KL) significantly affects the benefits of e-learning (NB). KPE variables are added in this study showed no effect the Use of System (PS) and the benefits of e-learning (NB). Variable Information Quality (KI), Service Quality (KL), and Systems Quality (KS) does not affect the use of Systems (PS), Systems Quality (KS) and Information Quality (KI) also had no effect on the benefits of e-learning (NB). Variable User Satisfaction (KP) does not affect the use of Systems (PS), and Use of System (PS) has no effect on User Satisfaction (KP).

Keywords: E-learning, Information Systems Success, Structural Equation Modeling, Bootstrap