ABSTRACT

Each student has diverse characteristics and preferences which create their own learning styles. The learning style itself is very influential on the learning process of students, to find out the learning style of each student requires identification of the characteristics and preferences of each student. Identification of learning styles can be done by using Kolb's Learning Style. This learning style model can identify the characteristics of each student based on the dimensions in the Kolb's Learning Style, namely the Perception Dimensions and Processing Dimensions which later will be based on these 2 dimensions of how each student is characteristic of receiving and managing information. The process of identifying the characteristics of students will produce learning styles and based on the learning styles possessed by each student the material will be recommended according to the learning styles that each student has. The results of this study obtained agreement from 2 experts on the e-learning system personalization procedure with an average value of 4 out of 5. For the assessment of the e-learning system that has been built, the value of SUS 76.83 is in the category acceptable with grade C.

Keywords: E-Learning, Personalized E-Learming, Kolb's Learming Style.