

ABSTRACT

Learning is the process of changing behaviour in the form of knowledge, attitudes, and skills. These are permanent changes in behaviour that occur as a result of training or experience. Information technology has pushed the development of learning methods to a better level. One of them is an online learning method commonly called e-learning. E-learning is an information technology that is used to assist digital and online learning. E-learning has played an important role in various fields, including health cadres. During the pandemic and after the COVID-19 pandemic, the role of Health cadres is increasingly needed. However, training or debriefing cadres is no longer as easy as it was before the COVID-19 pandemic. Therefore, e-learning is also needed for the training and debriefing of Health cadres. In order to develop web-based e-learning applications that can be used easily, as needed, and effectively for users, it is necessary to develop an appropriate system design and user interface. This study uses the User-Centered Design method because it places the user in every stage, and there are repetitions to improve the system. Research has succeeded in developing a suitable user interface. This can be seen from the value of the System Usability Scale (SUS), which is at the acceptable level with a score of 83. It can be concluded that the design of the user interface of the e-learning web application has met the needs of the user and provided feedback that it can be used by the user. When the user interface design is appropriate, it can be continued to develop an e-learning system or application according to the design that has been made.

Keywords: *User Interface, User Experience, E-learning, User-Centered Design, Usability Testing*