ABSTRACT

Game development is also influenced by modern technology which encourages creativity and innovation of game companies to create new games. One type of old game that is starting to be forgotten today is the snake and ladder game because this old game has a less attractive appearance and way of playing. Therefore it is necessary to develop a snake and ladder game using virtual reality devices to produce a three-dimensional snake and ladder game. Virtual reality devices are used as tools for players to experience a more enjoyable three-dimensional snake and ladder game experience. The display design for the snake and ladder game based on virtual reality was created using an online-based canva application to design a sketch of the game display in the snake and ladder game based on virtual reality devices. In the process of designing a snake and ladder game based on virtual reality, it is done by following the flow of the waterfall model as a step in designing the game. At the stage of testing the display design on the game using a user experience test scenario that has been tested on snakes and ladders game players. The results of testing the game display design to users using user experience get an ease index value of 96% which shows the game display design is easy to understand when played. For the efficient index value, it gets 82% which indicates that the game display design has the convenience of providing game information. And for the easy-to-remember index value, it gets 84% which shows that the game display design is quite easy to remember by users.

Keywords: *Snakes and Ladders Game, Canva, Virtual Reality, Waterfall*