ABSTRACT

Indonesia is a country that has abundant cultural wealth. The advancement of technology that is now very sophisticated makes foreign culture easily enter into Indonesian culture, the people who are now influenced by foreign culture make Indonesian culture itself forgotten. Utilizing sophisticated technology, as an alternative means to preserve the culture of the Indonesian state, for this reason a web application containing cultural information is focused on traditional houses along with the appearance of three-dimensional designs using WebGL technology and rapid application development methods through four stages, namely design needs, user design, system development and system testing. The RAD method is used in web applications so that applications that are made can be completed in a short time and have a design that is in accordance with the user's request. Blackbox testing and assessment with a Likert scale that has been done through online questionnaires for web applications are obtained with the category "successful" in blackbox testing and get the calculation results of 84% so that it can be categorized as "strongly agree" on the Likert scale assessment.

Keyword: Culture, Traditional house, RAD, three dimensions