

ABSTRACT

Nurhaniefa. 2022. Implementation of Ethno-Edugames Application to Improve Creative Thinking of Class XI Students on Reproductive System Materials. Guided by Dr. Iwan Setia Kurniawan, M.Pd. and Fitri Aryanti, S.T., M.Pd.

This study aims to determine the improvement of students' creative thinking by using the application of ethno-edugames in class XI on the material of the reproductive system. The research method used is quasi-experimental and using a non-equivalent control group research design. The research subjects were class XI MIPA 6 as an experimental class with 32 students and class XI MIPA 7 as a control class with 32 students. The creative thinking ability of students in the study was collected with multiple choice tests arranged with creative thinking indicators and cognitive domains as many as 25 questions in the form of pre-test and post-test tests and questionnaires to determine student responses to the use of ethno-edugame applications. The results obtained in the pre-test post-test mean that the average value in the experimental class was higher with an N-gain value of 0.80 than the control class with an N-gain value of 0.67. The Mann Whitney test results obtained the Asymp results. Sig. (2-tailed) then 0.036 < 0.05 then H_0 is rejected which indicates there are differences in students' creative thinking between the experimental class and the control class. The results of the questionnaire on student responses to the ethno-edugame application showed a positive response to the use of the ethno-edugame application by obtaining results with very good categories on each indicator. So it can be concluded if the use of the application is considered effective in influencing the improvement of students' creative thinking on the material of the reproductive system.

Keywords: Ethno-Edugames Application, Students' Creative Thinking, Reproductive System