

ABSTRACT

Tanti Destiana. 2019. The use of Media Applications of Three Dimensional Animation to Enhance the Students ' Critical Thinking Skills on the subject Matter of the Structure and Function of Cells. Guided by Dr. Yusuf Ibrahim, M.Pd., M.P. and Fitri Aryanti, S.T., M.Pd.

This study aims to determine the level of ability to think critically students on the subject matter of the structure and function of cells. The subject of research is class XI MIPA-3 and class XI MIPA-4 at SMA Pasundan 1 Banjaran with a total of 62 students. The method used in this research is quasi experimental design with Nonequivalent Control Group Pre-test and Post-test Design, consisting of the control class and the experimental class. The research Data were collected using tests in the form of about a number of 10 essay questions and non-test form of assessment of the affective, the assessment of psychomotor development, student questionnaire responses and observation sheets. The results of the study showed that the average value of experiment class with using the media application of three-dimensional animation to obtain a value of 78.77 and the average value of the control class to obtain an average value of 60,38. While assessment of the affective in the experimental class obtained an average value of 77,43 and the control class obtained an average value of 67,62. Calculation by using the help of software IBM SPSS Statistic 20 with data analysis Independent Sample T-Test, the results obtained from the g . (2-tailed) of $0.000 < 0.05$, H_a accepted, which means there are significant differences in the increase in critical thinking skills between students who use media applications of three dimensional animation and not using the media application of three dimensional animation. Based on the results of this study it can be concluded that the use of media applications of three dimensional animation can improve students ' critical thinking skills on the subject matter of the structure and function of cells.

Keywords: *Media Application of Three Dimensional Animation, the Ability to Think Critically, Structure and Function of Cells.*