

ABSTRACT

Ryzma Zelika Husnul Chotimah (2021). *Improving Mathematical Understanding Ability and Learning Motivation of High School Students through Online Learning Media Carrd.co*

Learning media is important in learning, especially in online learning. Therefore, it takes interesting, effective and efficient online learning media for students, so that learning activities can continue optimally. One alternative online learning media that can be used is the Carrd.co web-based online learning media. This learning media is a web-based learning media that is easily accessible whenever and wherever students are. In addition, this learning media also does not consume a lot of quota, is easy to use and has an attractive appearance and features. The purpose of this research is to find out: whether the increase in the mathematical understanding ability of students who received Carrd.co learning media was higher than students who received Google Classroom learning media; whether the learning motivation of students who received Carrd.co learning media was better than students who received Google Classroom learning media; whether there is a correlation between the ability of mathematical understanding and learning motivation of students who get the learning media Carrd.co. The research model used is an experimental nonequivalent control group design involving the control class and the experimental class and through pre-test and post-test. The subjects in this study were students of class X SMA Negeri 17 Bandung with the object of increasing Mathematical Understanding Ability and Student Learning Motivation using Carrd.co Learning Media. Based on the results of data analysis, it can be concluded that: 1) Increasing students' mathematical understanding abilities who receive Carrd.co learning media is not higher than Google Classroom learning media. 2) The learning motivation of students who received Carrd.co learning media is not better than students who received Google Classroom learning media. 3) There is a correlation between the ability of mathematical understanding and the learning motivation of students who receive the Carrd.co learning media.

Keywords: Mathematical Comprehension Ability; Student Learning Motivation, and Online Learning Media Carrd.co