ABSTRACT

Anwar Mu’min Sidik. Influence Model Concrete-Pictorial-Abstract (CPA) Learning against Mathematical Representation Ability and Self-Efficacy at Senior high school students.

Mathematics is which one lesson subjects taught at each level education. Mathematical representation ability very needed student in understand mathematic. But mathematical representation ability student evidently still low. One of them alternative learning that can increase mathematical representation ability is model concrete-pictorial-abstract (cpa) learning. Aim of this research is for 1) knowing enchantment Mathematical representation Ability who get concrete-pictorial-abstract (cpa) learning higher than the students who get conventional learning, 2) knowing enchantment Self-efficacy student obtain concrete-pictorial-abstract (cpa) learning better than students who get conventional learning and 3) for knowing effectiveness concrete-pictorial-abstract (cpa) learning for Mathematical representation Ability. Research this use quasi experiment. Population in research this is all student class X MAN 1 Bandung city of year 2018-2019 teachings. Sample research this is student class X IPA A and X IPA C MAN 1 Bandung city, two selected class on a random according to class. Instruments used in research this in the form of test mathematical representation ability and questionnaire self-efficacy who uses scale Likert. Test and questionnaire tested try it especially formerly in class XI IPA. Analysis using SPSS 20. Based program analysis of results research, obtained conclusion 1) mathematical representation ability students who get concrete-pictorial-abstract (cpa) higher than students who get convensional learning 1, 2) Self-efficacy students who get concrete-pictorial-abstract (cpa) better than students who get conventional learning, 3) concrete-pictorial-abstract (cpa) learning effective for increase mathematical representation ability student. Because the model concrete-pictorial-abstract (cpa) learning make other alternative option for teachers inside doing learning for creating atmosphere active and fun learning.

Keywords: Mathematical Representation Ability, Model Concrete-Pictorial-Abstract (CPA) Learning, Self-efficacy.