

## **ABSTRACT**

**Nina Juliana Pujirahayu (125050093). *Influence of Cooperative Learning Model with Technique Probing-Prompting toward Improved Mathematical Connection Capabilities High School Students***

*Mathematical connection capabilities students was one of the student's ability that must be developed during and after the learning process. This is because through mathematical connection the students can connect mathematics with other material contained on mathematics, connect with another lesson or with everyday life. One model of learning to improve the ability mathematical connection students that cooperative learning model by Technique Probing-Prompting. This research aims to: 1) determine whether the increase in mathematical connection capabilities students obtain model of cooperative learning techniques Probing-Prompting better than students who received learning model Problem Based Learning (PBL), 2) determine students' attitudes toward learning mathematics through cooperative learning model by Technique Probing-Prompting. This research method is experimental. The research design used in this research is a pretest-posttest control group. Population of research is high school students National Bandung and the sample is a class XI student of the National School of Bandung who were randomly selected class. The instrument used was a test of type descriptions and attitude scale using Likert scale. Based on the analysis of the trial results, all about a decent test for research use. Data analysis was performed using t-test by SPSS 23.0 for Windows is by using the Independent Sample t-Test. The results showed that an increase in mathematical connection capabilities of students who get cooperative learning techniques Probing-Prompting better than students who had learning Problem Based Learning (PBL). Additionally, the students' attitudes toward cooperative learning techniques Probing-Prompting in mathematics generally classified as positive. Therefore, the model of cooperative learning techniques-Probing Prompting can be an alternative in implementing the learning of mathematics.*

**Keywords:** *Mathematical Connection Capabilities, Cooperative Learning, Probing-Prompting Technique, Attitude*