

## **ABSTRACT**

*Vicky Virmansyah, "The Influence of Think Talk Write Learning Model to Mathematical Communication Skills and Productive Disposition of High School Students". Thesis Mathematics Education Study Program Faculty of Teacher Training and Education Universitas Pasundan Bandung, year 2017.*

*The student's mathematical communication ability is one of the students' abilities that must be developed during and after the learning process. This is because through mathematical communication students can organize mathematical thinking both orally and in writing. One way to improve students' mathematical communication with Think Talk Write. This study aims to find out the mathematical communication ability of students who get Think Talk Write model of learning better than students who get Expository learning model, and to know the student's Productive Disposition on Think Talk Write model of learning in mathematics learning. This research uses experimental method and correlation, with design pretes-postes group control. The population of this study is all students of class X SMA PGRI 1 Bandung and the sample taken as many as two classes of class X IIS 1 and X IIS 3. Indicator of mathematical communication skills used in this study are (1) Can understand, interpret and assess mathematical ideas (2) The ability to express mathematical ideas through oral, written, and mendemonstrasikannya and visualize it, (3) Can use the language, notation and mathematical structure to present the idea, describes the relationship of model making. Productive Disposition indicators used are (1) Enthusiastic in learning mathematics (2) Attentive in learning mathematics (3) Persistent and diligent in facing problems (4) Full confidence in learning and solving problems (5) Be flexible and open (6) ) Have a high curiosity (7) The ability to share opinions with others. The instrument used in this research is the test of mathematical communication ability and questionnaire of student's Productive Disposition on learning using Think Talk Write learning model. Based on data analysis of research results using SPSS version 18.0 for Windows, that the mathematical communication ability of students using Think Talk Write model is better than students using Expository learning model. Based on the questionnaire given in the experimental class, obtained information that the student's Productive Disposition on the Think Talk Write learning model. Therefore, learning by using Think Talk Write learning model can be used as an alternative in conducting mathematics learning activities.*

*Keywords: Think Talk Write, Mathematical communication, productive disposition*