

## **ABSTRACT**

Tika Sartika (125 050 036). Influence of Auditory Somatic Learning Model Visualization Intellectually (SAVI) against SMK Students Mathematical Communication Ability

Learning mathematics is closely associated with the process of thinking. The ability to analyze and communication is needed in addressing various problems in mathematics. Therefore, it is necessary to have a method or model of learning mathematics to improve students' mathematical communication skills. This study aims to determine whether the communication skills students acquire mathematical study of mathematics by Somatic Auditory models Visualization Intellectually (SAVI) is better than students who received the learning of mathematics model Problem Based Learning (PBL). As well as to determine how students' attitudes toward the Auditory Somatic models Visualization Intellectually (SAVI). The research method was experimental method. The population in this study were students of class X SMK Pasundan 1 Bandung and samples were students of class X taken two classes at random according to parallel classes at the school. Instruments used in this research is to test and attitude scale. The test used is a test of type descriptions. Attitude scale contains statements about the issues students and the learning model used. Tests tested prior to the 35 students of class XI SMK Pasundan 1 Bandung. Based on the results of the test instrument (about) it's all about feasible for use in research. Data analysis was performed using t-test by SPSS 22 for Windows is by using the Independent Sample t-Test. Based on data analysis, that communication skills students acquire mathematical study of mathematics by Somatic Auditory models Visualization Intellectually (SAVI) is better than the students who obtain a mathematical model of learning Problem Based Learning (PBL). Of the questionnaire given to the experimental class, the students obtained information that a positive attitude towards the model Somatic Auditory Visualization Intellectually (SAVI). Somatic models Auditory so Visualization Intellectually (SAVI) can be an alternative for teachers in implementing the learning to create a learning atmosphere that is comfortable, active, effective and fun.

**Keywords:** Somatic Auditory Model Visualization Intellectually (SAVI), Mathematical Communications