

## ABSTRACT

Elsa Meisela. (2018). **Enhancement of Mathematical Reasoning and Self Efficacy Ability of High School Students through Probing Prompting Learning Model.**

Mathematical reasoning ability is needed by students in understanding mathematics. But students' mathematical reasoning abilities are still low. One of the reasons is that students' self-confidence is still low, for that it is needed Self Efficacy. One alternative learning model that can enhance students' mathematical reasoning ability and Self Efficacy is through Probing Prompting learning model. The purpose of this study is: to find out the enhancement of students' mathematical reasoning abilities of students who get Probing prompting Learning Models are better than the students who get conventional learning models, to find out the achievement of students' Self Efficacy of students who get Probing Prompting Learning Models are better than the students who get conventional learning models, to find out there is a positive correlation between mathematical reasoning ability and Self Efficacy students' who get the Probing Prompting learning model. This study uses quasi experimental method. The study design used is the pretest-posttest group design. Population in this study is entire class X SMA Negeri 1 Parongpong. The sample of this study is the students' of class X MIA 2 as the experimental group and the students' of class X MIA 4 as the control group. Based on the analysis of the trial results, all test questions are suitable for research use, but in the questionnaire there is an invalid statement change. Processing and data analysis using descriptive statistical tests, Shapiro Wilk, Leven's test for equality variances, Independent Sample t-Test, Pearson Product Moment with Microsoft Excel Software and SPSS 20.0 for Windows Software. The study showed that: the Enhancement of students' mathematical reasoning abilities who get Probing Prompting Learning Models are better than the students' who get conventional learning models, the achievement of students' Self Efficacy of students' who get Probing Prompting Learning Models are better than the students' who get conventional learning models, there is a positive correlation between mathematical reasoning ability and Self Efficacy students' who get the Probing Prompting learning model.

Keyword: Probing Prompting Learning, Mathematical reasoning ability, Self Efficacy.