

## **ABSTRACT**

Muhammad Syamsul Bachri. (2021). *Analysis of Students' Mathematical Problem Solving Ability through Learning Model Assure (Analyze, State, Select, Utilize, Require, Evaluating)*

*Mathematical problem solving ability is very important to master students who study mathematics. One of the learning models that can improve mathematical problem solving skills is the Assure learning model. The aims of this study are to describe: (1) the concept of mathematical problem solving ability according to mathematics education experts; (2) The stages of the Assure learning model based on the relevant literature; (3) The students' mathematical problem solving ability after getting the Assure learning model. This research method was designed using qualitative research methods with the type of library research. The data sources of this research are primary data and secondary data. Data collection is done by using Editing, Organizing and Finding techniques with data analysis used, namely deductive, inductive and historical. The results of this study are: (1) Mathematical problem solving is a process of using knowledge, understanding and skills to try to solve a new problem; (2) Assure learning model is a learning planning procedure that combines methods, media and teaching materials. The stages of the Assure learning model are: Analyze learners characteristics; state objectives; Select methods, media and materials; Utilize methods, media and materials; Requires learner participation and Evaluation and revision; (3) The students' mathematical problem solving ability after getting the Assure learning model has increased because the Assure learning design model is more effective for learning outcomes and better in improving students' mathematical problem solving abilities than the PPSI learning model and learning documents that were not developed with the Assure learning model. The use of the Assure learning model is more suitable to be applied to groups of students who have visual and kinesthetic learning styles.*

**Keywords:** *Mathematical Problem Solving Ability, Learning Model Assure*