

ABSTRACT

ISMI TRAENI. 2023. **Analysis of Analogy Reasoning Thinking Process in Solving Mathematics Problems in Terms of Sternberg's Thinking Style.** Mathematics Education Department. Faculty of Educational Sciences and Teachers' Training. Siliwangi University.

This study aims to analyze the thinking process of analogy reasoning in solving mathematics problems in terms of Sternberg's thinking style. This research is a qualitative research with explorative method. Data collection techniques used analogical reasoning test, distribution of thinking style questionnaires and interviews. The research instruments include analogical reasoning test questions and Sternberg's thinking style questionnaire. The research subjects were students of class IX C and IX K at SMPN 13 Tasikmalaya who worked on analogical reasoning test questions based on the analogical reasoning components in each thinking style. Data analysis techniques include data reduction, data presentation, and conclusion drawing. The results concluded that thinking process of analogy reasoning in solving mathematics problems (1) Students who have legislative, executive, judicial, local and internal thinking styles go through the entry, attack and review stages completely and correctly. (2) Student who have a global thinking style go through the entry and attack stages completely and correctly but cannot go through the review stage completely and correctly because they cannot make an answer conclusion for the target problem. (3) Student who have external thinking styles cannot go through the entry, attack and review stages completely and correctly because at the entry stage they cannot compile what is known, at the attack stage they get an incorrect answer, and at the review stage they cannot check the accuracy of the calculations made and cannot make the answer conclusion correctly. (4) Considering the thinking process of analogical reasoning in solving mathematical problems from the seven thinking styles, the complete and correct thinking process of analogical reasoning in solving mathematical problems is the legislative, executive, judicial, local and internal thinking styles.

Keyword: Thinking Process of Analogy Reasoning, Sternberg's Thinking Styles