ABSTRACT

DWIKI ABDURRAHMAN. 2021***. ANALYSIS OF MATHEMATIC CREATIVE THINKING PROCESS FROM THE CHARACTERISTICS OF STUDENTS' THINKING.***

This study aims to analyze the mathematical creative thinking process in terms of the characteristics of students' thinking. The research uses exploratory qualitative research methods. The data collection technique used was a mathematical creative thinking test, filling out questionnaires on the characteristics of students' thinking and interviews. The instrument used was the researcher as a key instrument, a question of mathematical creative thinking, a questionnaire on the characteristics of students' thinking. The data sources in this study were students of SMPN 6 Tasikmalaya in the 2021/2022 academic year. The data analysis technique used is data reduction, data presentation, and drawing conclusions. The results showed that: The mathematical creative thinking process in terms of the characteristics of the concrete sequential type (SK) thinking students wrote down what was known completely and sequentially, wrote down what was asked of the question correctly, and provided arguments for what was known and asked by following the information. in the questions logically and logically. The mathematical creative thinking process in terms of the characteristics of the sequential abstract type (SA) thinking of students writes down what is known completely and sequentially, but does not write down what is being asked, and provides arguments for what is known from the problem by assembling his own words. The mathematical creative thinking process is viewed from the characteristics of the concrete random type (AK) students' thinking. write down what is known completely and randomly, write down what is asked from the question correctly, and provide arguments for what is known and asked by following the information from the question. The mathematical creative thinking process in terms of the characteristics of the abstract random type of student thinking (AA) writes down what is known incompletely and does not write down what is asked of the question, and provides arguments for what is known and asked by following the information contained in the question.

Keywords: Thinking Process, Mathematical Creative Thinking, Characteristics of Students Thinking