

ABSTRAK

Christian Gabrielle Pinem, NIM 4161111018 , Analisis Kemampuan Berfikir Kreatif Matematis Siswa Melalui Menerapkan Pendekatan *Open-Ended*.

Analisis kemampuan berfikir kreatif matematis siswa melalui menerapkan pendekatan *Open-Ended* ini bertujuan untuk Untuk mengetahui bagaimana peningkatan kemampuan berfikir kreatif matematis siswa yang diajarkan melalui pendekatan *Open-Ended* terhadap siswa dan untuk mengetahui bagaimana proses jawaban siswa pada penyelesaian soal-soal terkait melalui kemampuan berpikir kreatif matematis siswa setelah diterapkannya pendekatan *Open-Ended*. Penelitian ini dilaksanakan di Universitas Negeri Medan. Metode yang digunakan pada Penelitian ini adalah cara ilmiah untuk mendapatkan data melalui tujuan dan kegunaan tertentu Dengan Jenis Penelitian yang digunakan adalah penelitian kualitatif yang bersifat studi pustaka (*library research*). Studi pustaka ialah rangkaian kegiatan yang berkaitan melalui pengumpulan data pustaka, membaca dan mencatat serta mengolah bahan penelitiannya, yaitu penelitian yang memanfaatkan sumber perpustakaan untuk memperoleh data penelitiannya. Teknik Analisis ialah serangkaian upaya sederhana tentang bagaimana data penelitian pada gilirannya dikembangkan dan diolah ke pada kerangka kerja sederhana. Data yang sudah terkumpul kemudian dianalisis untuk mendapatkan informasi, namun terlebih dahulu data tertulis diseleksi atas dasar reliabilitasnya. Hasil dari Penelitian yang dilakukan dengan Metode yang dijelaskan diatas ialah hasil analisis melalui beberapa literatur yang telah peneliti temukan, bisa disimpulkan bahwa pendekatan *Open-Ended* bisa meningkatkan kemampuan berpikir kreatif matematis siswa. Hal ini bisa dilihat dari serangkaian aktivitas atau tahapan pendekatan *Open-Ended* yang memenuhi indikator kemampuan berpikir kreatif siswa. Tahapan tertulis meliputi orientasi masalah, merumuskan masalah, mengajukan hipotesis, mengumpulkan data, menguji hipotesis dan menarik kesimpulan. Sebab masing-masing tahapan pendekatan *Open-Ended* tertulis mengantongi dampak yang positif untuk meningkatkan kemampuan berpikir kreatif matematis siswa, melalui demikian bisa juga dikatbakal bahwa serangkaian tahapan pendekatan *Open-Ended* defektif pada meningkatkan kemampuan berpikir kreatif matematis siswa

Kata Kunci : Analisis , Berfikir Kreatif Matematika, Open-ended



ABSTRACT

Christian Gabriel Pinem, NIM 4161111018 , Analysis of students' mathematical creative thinking skills through the application of an open-ended approach.

The analysis of students' mathematical creative thinking skills through applying the open-ended approach aims to find out how to increase students' mathematical creative thinking skills taught through the Open-Ended Approach to students and to find out how the process of student answers in solving related questions through creative thinking skills. students' mathematics after the implementation of the Open-Ended Approach. This research was conducted at the State University of Medan. The method used in this research is a scientific way to obtain data through certain purposes and uses. The type of research used is a qualitative research that is library research. Literature study is a series of related activities through library data collection, reading and recording and processing research materials, namely research that utilizes library resources to obtain research data. Analysis techniques are a series of simple attempts at how research data are in turn developed and processed into a simple framework. The data that has been collected is then analyzed to obtain information, but first the written data is selected on the basis of its reliability. The results of the research conducted using the method described above are the results of an analysis through several literatures that researchers have found, it can be concluded that the Open-Ended Approach can improve students' mathematical creative thinking skills. This can be seen from a series of activities or stages of the Open-Ended Approach that meet the indicators of students' creative thinking abilities. The written stages include problem orientation, formulating problems, proposing hypotheses, collecting data, testing hypotheses and drawing conclusions. Because each stage of the written Open-Ended Approach has a positive impact on improving students' mathematical creative thinking skills, it can also be said that a series of stages of the Open-Ended Approach are effective in improving students' mathematical creative thinking skills.

Keywords : Analysis, Mathematical creative thinking , open-ended

