

ABSTRAK

Cica Masitha, NIM 4181111010 (2022). Meningkatkan Kemampuan Berpikir Kreatif Matematis Siswa Melalui Model *Open Ended* di Kelas VIII-B SMPS IT Al-Hijrah Medan TA 2022/2023.

Penelitian ini bertujuan untuk meningkatkan kemampuan berpikir kreatif matematis siswa melalui model pembelajaran *open ended* di kelas VIII-B SMPS IT Al-Hijrah Medan. Penelitian ini merupakan penelitian tindakan kelas melalui tahapan pembelajaran bersiklus. Subjek dalam penelitian ini adalah siswa kelas VIII-B SMPS IT Al-Hijrah Medan yang berjumlah 17 orang dan objek pada penelitian ini adalah kemampuan berpikir kreatif matematis siswa dengan menerapkan model pembelajaran *open ended* pada materi pola bilangan. Penelitian terdiri dari 2 siklus dan tes diberikan pada setiap akhir siklus. Instrumen penelitian dalam pengumpulan data adalah tes dan lembar observasi. Tes digunakan untuk mengetahui bagaimana kemampuan siswa pada materi pola bilangan saat diterapkan model *open ended*, dan lembar observasi digunakan untuk mengamati kegiatan belajar mengajar pada saat menerapkan model *open ended*. Berdasarkan hasil penelitian diperoleh bahwa penerapan model pembelajaran *open ended* dapat meningkatkan kemampuan berpikir kreatif matematis siswa pada materi pola bilangan di kelas VIII-B SMPS IT Al-Hijrah Medan TA 2022/2023, yaitu pada siklus I persentase ketuntasan hanya 47,05% (8 siswa) dengan rata-rata 62,86 dan pada siklus II menjadi 88,23% (15 siswa) dengan nilai rata-rata 82,72. Sehingga siswa sudah memenuhi persentase ketuntasan klasikal yaitu ($\geq 85\%$). Hasil penelitian ini menunjukkan bahwa dengan menerapkan model *open ended* pada materi pola bilangan di kelas VIII-B SMPS IT Al-Hijrah Medan dapat meningkatkan kemampuan berpikir kreatif matematis peserta didik.

Kata kunci: penelitian tindakan kelas, model pembelajaran *open ended*, kemampuan berpikir kreatif.

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ABSTRACT

Cica Masitha, NIM 4181111010 (2022). Improve the ability of Students' Mathematical Creative Thinking Through the Open Ended Model in Class VIII-B SMPS IT Al-Hijrah Medan FY 2022/2023.

The ability to think creatively is one of the objectives of learning mathematics as stated in the National Education Standards. Learning innovation is needed to accommodate the increase in creative thinking in mathematics learning. One alternative learning model that is thought to be able to improve creative thinking is the open-ended learning model. This study aims to improve students' mathematical creative thinking skills through an open-ended learning model in class VIII-B of SMPS IT Al-Hijrah Medan. This research is a classroom action research through cyclical learning stages. This research was conducted in the odd semester of the 2022/2023 academic year. The subjects in this study were students of class VIII-B SMPS IT Al-Hijrah Medan and the object of this study was an open-ended learning model. Based on the results of the study, it was found that the application of the open-ended learning model can improve students' mathematical creative thinking skills in number pattern material in class VIII-B SMPS IT Al-Hijrah Medan 2022/2023, which increased from 47.05% (8 students) in the cycle I became 88.23% (15 students) in the second cycle, as seen from the average creative thinking ability of students in the first cycle, which was 62.86, which increased to 82.72 in the second cycle. The average score on the indicator of students' ability to think fluently increased from 66.17 to 80.88. On the indicator of the ability of students to think flexibly increased from 64.70 to 75. On the indicator of students' elaboration ability increased from 63.23 to 88.23. In the indicator of students' original thinking ability, it increased from 61.76 to 86.76.

Keywords: classroom action research, open ended learning model, creative thinking ability.

