

ABSTRAK

Adelina Damayanti, 2023. Pengaruh Kemampuan Berpikir Kritis, Sikap Kreatif, dan Kemampuan Operasi Pecahan terhadap Kemampuan Pemecahan Masalah Matematika Materi Bilangan Pecahan Siswa kelas IV Segugus III Kecamatan Tamalanrea Kota Makassar.

Penelitian ini bertujuan Untuk mengetahui pengaruh kemampuan berpikir kritis, sikap kreatif dan kemampuan operasi pecahan terhadap kemampuan pemecahan masalah matematika materi bilangan pecahan. Baik secara simultan maupun secara parsial. Penelitian ini menggunakan pendekatan kuantitatif dengan jenis penelitian yaitu *ex post facto*. Populasi penelitian ini yaitu seluruh siswa kelas IV Segugus III Kecamatan Tamalanrea Kota Makassar Tahun ajaran 2022-2023. Sampel yang digunakan yaitu siswa kelas IV, dengan menggunakan teknik pengambilan *proporsional random sampling*. Teknik pengumpulan data menggunakan tes dan angket. Data dikumpulkan dengan menggunakan soal dalam bentuk soal cerita, esai dan angket. Selanjutnya dianalisis dengan statistik deskriptif dan statistik inferensial dengan desain penelitian menggunakan analisis regresi berganda.

Hasil penelitian menunjukkan terdapat pengaruh secara simultan antara kemampuan berpikir kritis, sikap kreatif, dan kemampuan operasi pecahan terhadap kemampuan pemecahan masalah yaitu hasil koefisien determinasi diketahui nilai R Square 0,826 hal ini menunjukkan bahwa pengaruh kemampuan berpikir kritis, sikap kreatif dan kemampuan operasi pecahan secara simultan terhadap kemampuan pemecahan masalah adalah sebesar 82,6%. Kemampuan berpikir kritis berkontribusi terhadap kemampuan pemecahan masalah matematika sebesar 31,1%. Sikap kreatif berkontribusi terhadap kemampuan pemecahan masalah matematika sebesar 21,5%. Kemampuan operasi pecahan berkontribusi terhadap kemampuan pemecahan masalah sebesar 29,9%.

Kata Kunci: Kemampuan Berpikir Kritis, Kreatif, Pemecahan Masalah

ABSTRACT

Adelina Damayanti, 2023. The Influence of Critical Thinking Ability, Creative Attitude, and Fractional Operational Ability on Mathematical Problem-Solving Ability in Fractional Numbers Grade IV Class Students of Cluster III, Tamalanrea District, Makassar. Supervised by Sukmawati and Sitti Fithriani Saleh.

This study aimed at determining the effect of critical thinking skills, creative attitude and ability to operate fractions on the ability to solve mathematical problems in fraction material. Either simultaneously or partially. This study deployed a quantitative approach to the type of research was ex post facto. The population of this study were all students of class IV of Cluster III, Tamalanrea District, Makassar for the 2022-2023 Academic Year. The sample used was grade IV students, using a proportional random sampling technique. Data collection techniques using tests and questionnaires. Data was collected using questions in the form of story questions, essays and questionnaires. Then analyzed with descriptive statistics and inferential statistics with the research design using multiple regression analysis.

The results showed that there was a simultaneous influence between critical thinking ability, creative attitude, and fractional operation ability on problem solving ability, namely the results of the coefficient of determination known to be the value of R Square 0.826. This indicated that the influence of critical thinking ability, creative attitude and fractional operation ability simultaneously on problem solving ability was equal to 82.6%. Critical thinking skills contribute to the ability to solve mathematical problems was 31.1%. Creative attitudes contribute to the ability to solve math problems was 21.5%. The ability to operate fractions contributes to the ability to solve problems was 29.9%.

Keywords: *Critical Thinking Ability, Creative Attitude, Fraction Operation Ability and Problem-Solving Ability*



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