

ABSTRAK

Riana N Pakpahan, NIM 4201111050 (2024). Pengaruh *Student Engagement* dan *Self Efficacy* Siswa Terhadap Hasil Belajar Matematika Siswa Kelas VIII Di SMP Negeri 37 Medan.

Hasil belajar matematika merupakan pengetahuan atau keterampilan baru yang didapat siswa setelah menyelesaikan pembelajaran matematika, yang dipengaruhi banyak faktor diantaranya yaitu *student engagement* dan *self efficacy* siswa. Penelitian ini ditujukan untuk mengetahui besar kontribusi pengaruh *student engagement* dan *self efficacy* terhadap perubahan hasil belajar matematika siswa kelas VIII SMP Negeri 37 Medan, yang dilakukan pada semester kedua tahun ajaran 2023/2024. Sampel diambil dengan teknik *simple random sampling*, dengan jumlah total sampel 84 siswa. Data penelitian dikumpulkan dengan menggunakan angket *self assessment* dan *peer assessment* untuk variabel *student engagement* dan *self efficacy*, sedangkan untuk data variabel hasil belajar matematika siswa dikumpulkan berdasarkan nilai tes matematika. Penggunaan analisis regresi linear berganda ditujukan untuk analisis data. Hasil penelitian menunjukkan: *student engagement* berpengaruh signifikan terhadap hasil belajar matematika siswa yang ditunjukkan oleh $t_{hitung}(2,119) > t_{tabel}(1,993)$ atau nilai sig. $0,037 < 0,05$; *self efficacy* berpengaruh signifikan terhadap hasil belajar matematika siswa yang ditunjukkan oleh $t_{hitung}(2,063) > t_{tabel}(1,993)$ atau nilai sig. $0,042 < 0,05$; serta *student engagement* dan *self efficacy* secara simultan berpengaruh positif dan signifikan terhadap hasil belajar matematika kelas VIII, SMP Negeri 37 Medan, yang dibuktikan dengan perolehan nilai $F_{hitung}(13,83) > F_{tabel}(3,122)$ atau perolehan sig. $0,000 < 0,05$. koefisien determinasi yang disumbangkan secara simultan sebesar 24,56%, artinya secara simultan besar kontribusi yang diberikan oleh *student engagement* dan *self efficacy* untuk memprediksi hasil belajar matematika siswa adalah 24,56% yang direpresentasikan oleh persamaan regresi $\hat{Y} = -9.257 + 0.092X_1 + 0.306X_2$.

Kata kunci: hasil belajar matematika, *self efficacy*, *Student engagement*

ABSTRACT

Riana N Pakpahan, NIM 4201111050 (2024). The Influence of *Student Engagement and Self-Efficacy* on Mathematics Learning Outcomes of Eighth Grade Students at SMP Negeri 37 Medan.

Mathematics learning outcomes refer to the new knowledge or skills acquired by students after completing mathematics lessons, influenced by various factors including student engagement and self-efficacy. This study aims to determine the extent of the contribution of student engagement and self-efficacy to the changes in the mathematics learning outcomes of eighth-grade students at SMP Negeri 37 Medan during the second semester of the 2023/2024 academic year. The sample was selected using simple random sampling, with a total of 84 students. Research data were collected using self-assessment and peer assessment questionnaires for the variables of student engagement and self-efficacy, while data for the mathematics learning outcomes variable were collected based on mathematics test scores. Multiple linear regression analysis was employed for data analysis. The results showed that student engagement significantly affects students' mathematics learning outcomes, indicated by $t(2.119) > t_{table}(1.993)$ or a significance value of $0.037 < 0.05$; self-efficacy also significantly affects students' mathematics learning outcomes, indicated by $t(2.063) > t_{table}(1.993)$ or a significance value of $0.042 < 0.05$; and student engagement and self-efficacy simultaneously have a positive and significant effect on the mathematics learning outcomes of eighth-grade students at SMP Negeri 37 Medan, as evidenced by $F(13.83) > F_{table}(3.122)$ or a significance value of $0.000 < 0.05$. The coefficient of determination contributed simultaneously is 24.56%, meaning that the combined contribution of student engagement and self-efficacy in predicting students' mathematics learning outcomes is 24.56%, as represented by the regression equation $\hat{Y} = -9.257 + 0.092X_1 + 0.306X_2$.

Keywords: mathematics learning outcomes, self efficacy, Student engagement