

ABSTRAK

Windy Putri Maslita Sitanggang, NIM 4183311010 (2018). Pengaruh Pendekatan *Realistic Mathematic Education (RME)* terhadap Kemampuan Pemahaman Konsep Matematis Siswa Kelas VIII SMP Swasta IT Al- Hijrah 2 Deli Serdang.

Penelitian ini bertujuan untuk mengetahui pengaruh pendekatan *Realistic Mathematic Education (RME)* terhadap kemampuan pemahaman konsep matematis siswa kelas VIII SMP Swasta IT Al-Hijrah 2 Deli Serdang pada tahun ajaran 2022/2023. Jenis penelitian yang digunakan adalah *Quasi Eksperimental* dengan desain *Pretest-Posttest Control Group Design*. Sampel yang digunakan sebanyak 35 siswa yang terpilih melalui teknik *Purposive Sampling*. Teknik pengumpulan data dilakukan dengan menggunakan instrumen tes. Teknik analisis data dilakukan dengan analisis deskriptif. Hasil analisis deskriptif menunjukkan bahwa nilai rata-rata pada kelas eksperimen sebesar 87,3935 dan pada kelas kontrol sebesar 54,3639, yang berarti terdapat perbedaan nilai rata-rata *posttest* pada kelas eksperimen dan kelas kontrol. Berdasarkan *Independent Sample T-Test* diperoleh nilai *Sig. (2-tailed)* sebesar $0,000 < 0,05$. Nilai t_{hitung} sebesar 8,428 dan nilai t_{tabel} sebesar 2,03452, yang berarti $t_{hitung} > t_{tabel}$ maka H_0 ditolak dan H_a diterima. Dari hasil penelitian ini, dapat disimpulkan bahwa terdapat pengaruh pendekatan *Realistic Mathematic Education (RME)* terhadap kemampuan pemahaman konsep matematis siswa kelas VIII SMP Swasta IT Al-Hijrah 2 Deli Serdang.

Kata Kunci: Pendekatan *Realistic Mathematic Education (RME)*, Kemampuan Pemahaman Konsep Matematis Siswa, Sistem Persamaan Linear Dua Variabel (SPLDV).



ABSTRACT

Windy Putri Maslita Sitanggang, NIM 4183311010 (2018). The Effect of the Realistic Mathematical Education (RME) Approach on the Ability to Understand Mathematical Concepts of Grade VIII Students of Private Middle School IT Al-Hijrah 2 Deli Serdang.

This study aims to determine the effect of the Realistic Mathematical Education (RME) approach on the ability to understand mathematical concepts in class VIII students of SMP IT Al-Hijrah 2 Deli Serdang Private Middle School in the 2022/2023 academic year. The type of research used is Quasi Experimental with a Pretest-Posttest Control Group Design. The sample used was 35 students who were selected through a purposive sampling technique. Data collection techniques are carried out using test instruments. Data analysis technique is done by descriptive analysis. The results of the descriptive analysis show that the average value in the experimental class is 87.3935 and in the control class is 54.3639, which means that there is a difference in the posttest average scores in the experimental class and the control class. Based on the Independent Sample T-Test, the value of Sig. (2-tailed) of $0.000 < 0.05$. The t_{count} value is 8.428 and the t_{table} value is 2.03452, which means that $t_{\text{count}} > t_{\text{table}}$ then H_0 is rejected and H_a is accepted. From the results of this study, it can be concluded that there is an influence of the Realistic Mathematical Education (RME) approach on the ability to understand mathematical concepts in class VIII students of Private Middle School IT Al-Hijrah 2 Deli Serdang.

Keywords: Realistic Mathematical Education (RME) Approach, Ability to Understand Students' Mathematical Concepts, System of Two Variable Linear Equations (SPLDV).

