

## ABSTRAK

Mawar Rahmawati, 2025. Penerapan Pendekatan RME Berbantuan Media Digital *Augmented Reality* untuk Meningkatkan Kemampuan Kognitif Materi Bangun Datar Pada Kelas IV Sekolah Dasar. Skripsi, Pendidikan Guru Sekolah Dasar, Universitas PGRI Madiun. Pembimbing (I) Dr. Hendra Erik Rudyanto, M.Pd. (II) Dr. Fida Rahmantika Hadi, S.Pd.

Penelitian ini bertujuan untuk mengetahui penerapan pendekatan RME berbantuan media digital *Augmented Reality* apakah dapat meningkatkan kemampuan kognitif materi bangun datar kelas IV. Penelitian ini merupakan Penelitian Tindakan Kelas (PTK). Jumlah subjek penelitian ini sebanyak 22 siswa. Tahap penelitian ini meliputi pengumpulan data, analisis data dan penarikan kesimpulan. Teknik pengumpulan data dilakukan dengan metode observasi, tes dan dokumentasi. Hasil Penelitian menunjukkan bahwa terdapat peningkatan hasil belajar kognitif. Ketuntasan klasikal pada pra siklus sebanyak 30% Ketuntasan Klasikal pada siklus I meningkat menjadi 57%. Sedangkan pada siklus II meningkat menjadi 90%. Kesimpulan dalam penelitian ini, Penerapan Pendekatan RME Berbantuan Media Digital *Augmented Reality* Untuk Meningkatkan Hasil Belajar Kognitif Materi Bangun Datar Pada Siswa Kelas IV Sekolah dasar.

Kata Kunci : Kemampuan Kognitif, Pendekatan RME, Media Digital *Augmented Reality*.

## ABSTRAC

*Mawar Rahmawati, 2025. Application of the RME Approach Assisted by Digital Augmented Reality Media to Improve Cognitive Abilities in Plane Shape Material in Fourth Grade Elementary School. Thesis, Elementary School Teacher Education, Universitas PGRI Madiun. Supervisors: (I) Dr. Hendra Erik Rudyanto, M.Pd. (II) Dr. Fida Rahmantika Hadi, S.Pd.*

*This study aims to determine whether the application of the RME approach assisted by digital Augmented Reality media can improve cognitive abilities in plane shape material in fourth grade. This study is a Classroom Action Research (CAR). The number of subjects in this study was 22 students. This research phase included data collection, data analysis, and drawing conclusions. Data collection techniques were carried out using observation, testing, and documentation methods. The results showed an increase in cognitive learning outcomes. Classical mastery in the pre-cycle was 30%. Classical mastery in the first cycle increased to 57%. While in the second cycle, it increased to 90%. The conclusion of this study is that the application of the RME approach with the assistance of digital augmented reality media improves cognitive learning outcomes in the subject of plane figures in fourth-grade elementary school students.*

*Keywords: Cognitive abilities, RME approach, digital augmented reality media.*