

Lailatul Ufta, 2026. *E-Modul Realistic Mathematics Education (RME) dengan konteks Masjid Agung Bangkalan pada materi bangun datar*. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Dosen Pembimbing: Rika Wulandari, S.Pd., M.Pd.

ABSTRAK

Penelitian ini bertujuan untuk mengembangkan produk bahan ajar *E-Modul* berbasis *Realistic Mathematics Education (RME)* dengan konteks Masjid Agung Bangkalan pada materi bangun datar siswa kelas V SDN Tunjung 4. Penelitian ini merupakan penelitian pengembangan dengan model penelitian 4D (*Four D*) dengan tahapan *Define, Design, Development, dan Disseminate*. Penelitian pengembangan ini menggunakan teknik pengumpulan data seperti observasi, wawancara, angket, dan tes. Kevalidan bahan ajar *E-Modul* berbasis *Realistic Mathematics Education (RME)* dengan konteks Masjid Agung Bangkalan pada materi bangun datar diperoleh dari validator bahan ajar 92,3%, validator materi 89,5%, validator desain pembelajaran 95,5%, validator bahasa 97,9%. Perolehan tingkat kevalidan berdasarkan ahli yaitu 93,75% *E-Modul* dinyatakan “sangat valid”. Keefektifan *E-Modul* diperoleh dari observasi aktivitas guru, aktivitas siswa, dan hasil tes belajar siswa. Hasil observasi aktivitas guru pada uji coba implementasi memperoleh 99% dengan kategori “sangat aktif”. Hasil observasi aktivitas siswa pada uji coba implementasi memperoleh 93% dengan kategori “sangat aktif”. Hasil tes belajar siswa secara klasikal memperoleh 96% yang dinyatakan tuntas. Hasil persentase kemenarikan berdasarkan angket respon siswa mendapatkan 95,8% dengan kategori “sangat menarik”. *E-Modul* berbasis *Realistic Mathematics Education (RME)* dengan konteks Masjid Agung Bangkalan pada materi bangun datar dinyatakan valid, efektif, menarik, serta dapat digunakan.

Kata Kunci : *E-Modul, Realistic Mathematics Education, Bangun Datar, Masjid Agung Bangkalan.*

Lailatul Utfa, 2026. *E-Module Based on Realistic Mathematics Education (RME) with the Context of the Great Mosque of Bangkalan on the Topic of Plane Geometry*. Thesis, Elementary School Teacher Education Study Program, Faculty of Education, Universitas Trunojoyo Madura. Advisor: Rika Wulandari, S.Pd., M.Pd.

ABSTRACT

This study aims to develop a teaching material product in the form of an *E-Module* based on *Realistic Mathematics Education (RME)* with the context of the Great Mosque of Bangkalan on the topic of plane geometry for fifth-grade students at SDN Tunjung 4. This research is a development study using the 4D (Four D) model, which consists of the stages of Define, Design, Development, and Disseminate. The data collection techniques used in this study include observation, interviews, questionnaires, and tests. The validity of the *E-Module* based on *Realistic Mathematics Education (RME)* with the context of the Great Mosque of Bangkalan on the topic of plane geometry was obtained from teaching material validators (92.3%), material validators (89.5%), instructional design validators (95.5%), and language validators (97.9%). The overall validity level based on expert judgment reached 93.75%, indicating that the *E-Module* is categorized as “very valid.” The effectiveness of the *E-Module* was determined based on observations of teacher activities, student activities, and student learning outcomes. The results of teacher activity observations in the implementation trial reached 99%, categorized as “very active.” Meanwhile, student activity observations reached 93%, also categorized as “very active.” The classical learning outcomes test results reached 96%, indicating that the students achieved mastery learning. The attractiveness of the *E-Module*, based on student responses reached 95.8%, both categorized as “very attractive.” Therefore, the *E-Module* based on *Realistic Mathematics Education (RME)* with the context of the Great Mosque of Bangkalan on the topic of plane geometry is considered valid, effective, attractive, and suitable for use.

Keywords : *E-Module, Realistic Mathematics Education, Plane Geometry, Great Mosque of Bangkalan.*