

ABSTRAK

PENGEMBANGAN E-MODUL BARISAN DAN DERET BERBANTUAN CANVA UNTUK MENINGKATKAN KEMAMPUAN LITERASI MATEMATIKA DI SMA NEGERI 1 GEBANG

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Penelitian ini berkaitan dengan pengembangan E-Modul barisan dan deret berbantuan *Canva* untuk meningkatkan kemampuan literasi matematika di SMA Negeri 1 Gebang berdasarkan kriteria valid, praktis, efektif serta dapat meningkatkan kemampuan literasi matematika siswa.

Pengembangan perangkat pembelajaran menggunakan model ADDIE yang terdiri dari *Analysis* (Analisis), *Design* (Desain), *Development* (pengembangan), *Implementasion* (*Implementasi*), *Evaluation* (Evaluasi)

Dengan menggunakan skala Likert hasil penelitian yang telah dilakukan menunjukkan bahwa E-Modul telah memenuhi kriteria: 1) Kriteria kevalidan berdasarkan penilaian ahli yaitu, 4,28 dengan kategori sangat valid. 2) Kriteria berdasarkan angket respon peserta didik mendapatkan skor rata-rata yaitu 4,1 dengan kategori praktis. 3) Kriteria keefektifan berdasarkan dari ketuntasan belajar peserta didik mendapatkan nilai 88,5 % dengan kategori efektif. 4) Kemampuan literasi matematika peserta didik meningkat, ditinjau dari skor N-Gain pada uji coba I mendapatkan hasil 0,23 dengan kategori sedang dan pada uji coba II mendapatkan hasil 0,53 dengan kategori sedang dan hasil peningkatan pada posttest kemampuan literasi matematika mendapatkan hasil 0,65 dengan kategori sedang. Sehingga dapat diperoleh bahwa E-Modul barisan dan deret berbantuan *Canva* telah valid, praktis, dan efektif serta dapat meningkatkan kemampuan literasi matematika peserta didik senilai 0,30.

Kata kunci: *E-Modul, Literasi Matematika, ADDI*

ABSTRACT

DEVELOPMENT OF SEQUENCES AND SERIES E-MODULES ASSISTED BY CANVA TO IMPROVE MATHEMATICAL LITERACY SKILLS AT SMA NEGERI 1 GEBANG

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The lack of mathematical literacy skills and the use of media which are used by teachers in learning mathematics resulted in the low mathematical literacy skills of the students. This study aims to develop Sequences and Series E-Modules assisted by Canva that is valid, practical, and effective in improving students' mathematical literacy skills. This type of research is ADDIE model development research. The research subjects were the students of class XII MIPA-2 totaling 35 students. The techniques used in data collection are questionnaire validation sheets, student response questionnaires and test instruments. From the test results, the E-Module has fulfilled the following criteria: 1.) Validity criteria based on expert judgment, namely 4.28 with a very valid category. 2) The practicality category based on the student response questionnaire got an average score of 4.1 with the practical category. 3). The effectiveness category based on the students' learning mastery gets a score of 88.5% with the effective category. 4). The students' mathematical literacy skills increased, in terms of the N-Gain score in the first trial, the results were 0.23 which were categorized as moderate and in the second trial the results were 0.53 in the medium category and the results of the increase in the post-test of mathematical literacy skills were 0.65 with medium category. It can be concluded that the sequences and series E-Module assisted by Canva has been valid, practical and effective and can improve the students' mathematical literacy skills by 0.30.

Keywords: E-Module, Mathematical Literacy, ADDIE

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