

Abstrak

Dede Muhamad (2024). “Pengembangan Media Ajar Berbasis *Website* Berbantuan *Wordpress* Melalui Pendekatan Berdiferensiasi Dalam Meningkatkan Kemampuan Pemahaman Matematis dan Kemandirian Belajar Siswa”.

Kemampuan pemahaman matematis dan kemandirian belajar siswa menjadi kemampuan dasar yang harus dimiliki dan ditingkatkan oleh peserta didik untuk menguasai materi dan ketercapaian dalam pembelajaran. Namun, dalam membangun pemahaman matematis dan kemandirian belajar matematika, baik melalui pengayaan sumber belajar maupun keterlaksanaan pembelajaran belum optimal. Oleh karena itu, tujuan dari penelitian ini difokuskan untuk mengembangkan sebuah media ajar berupa e-modul berbasis *website* berbantuan *wordpress* melalui pendekatan berdiferensiasi yang interaktif, fleksibel, inovatif, dan sesuai dengan gaya belajar dengan harapan dapat meningkatkan kemampuan pemahaman matematis dan kemandirian belajar siswa. Metode yang digunakan dalam penelitian ini menggunakan *research and development* dengan model pengembangan ADDIE (*Analysis, Design, Development, Implementation, Evaluation*). Sumber data diperoleh, yaitu hasil validator ahli media, bahasa, dan materi; guru matematika dan peserta didik kelas VIII di salah satu SMP di Kota Bandung; dan desiminasi kelas VIII salah satu SMP di Kab Bandung tahun ajaran 2023/2024. Hasil dari penelitian ini, yaitu produk e-modul berbasis *website* berbantuan *wordpress* dengan kategori sangat valid, efektif meningkatkan kemampuan pemahaman matematis dan kemandirian belajar siswa, serta sangat praktis digunakan sebagai sumber belajar pada materi statistika.

Kata kunci: e-modul, kemandirian belajar, kemampuan pemahaman matematis, *wordpress*

Abstract

Dede Muhamad (2024). "Developing WordPress-assisted Website-Based Teaching Media Through a Differentiated Approach in Improving Students' Mathematical Understanding Ability and Learning Independence."

Students' ability to understand mathematics and learn independently are basic abilities that students must have and improve to master the material and achieve learning. However, building mathematical understanding and independence in learning mathematics, both through enriching learning resources and implementing learning, has not been optimal. Therefore, the aim of this research is focused on developing an open media in the form of a website-based e-module with the help of WordPress through a differentiated approach that is interactive, flexible, innovative, and by learning styles with the hope of improving mathematical understanding and independence. student learning. The method used in this research uses research and development with the ADDIE (Analysis, Design, Development, Implementation, Evaluation) development model. The source of the data obtained is the results of media, language, and material expert validators; mathematics teacher and class VIII students at one of the junior high schools in the city of Bandung; and dissemination of class VIII in one of the junior high schools in Bandung Regency for the 2023/2024 academic year. The results of this research, namely a website-based e-module product with the help of WordPress, are categorized as very valid, effective in improving students' mathematical understanding abilities and learning independence, and very practical to use as a learning resource on statistics material.

Keywords: *e-module, independent learning mathematics, mathematical understanding ability, wordpress*