

**PENGEMBANGAN E-LEARNING BERBASIS MODEL
FLIPPED CLASSROOM PADA SISWA KELAS VIII
MATA PELAJARAN MATEMATIKA DI SMP N 2
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Oleh**

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ABSTRAK

Penelitian ini bertujuan untuk: (1) mengetahui desain pengembangan pengembangan E-Learning model Flipped Classroom, (2) mengetahui validitas hasil pengembangan E-Learning model Flipped Classroom pada mata pelajaran matematika kelas VIII di SMP N 2 Singaraja, dan (3) mengetahui efektivitas E-Learning model Flipped Classroom pada mata pelajaran matematika kelas VIII di SMP N 2 Singaraja Jenis penelitian ini adalah penelitian pengembangan dengan menggunakan ADDIE. Pengumpulan data dilakukan dengan metode pencatatan dokumen, kuesioner dan tes. Instrumen pengumpulan data yang digunakan adalah lembar pencatatan dokumen, lembar kuesioner. Analisis data yang digunakan adalah analisis deskriptif kualitatif, deskriptif kuantitatif. Hasil dari penelitian ini adalah:) rancang bangun model e-learning berbasis flipped classroom pada mata pelajaran matematika meliputi analisis, desain, pengembangan, implementasi, dan evaluasi. (2) hasil uji validitas dari para ahli dan subjek uji coba produk mendapatkan predikat valid berdasarkan: hasil review ahli isi pembelajaran dengan kualifikasi sangat baik (93%), hasil review ahli desain pembelajaran dengan kualifikasi baik (89%), hasil review ahli media pembelajaran dengan kualifikasi sangat baik (94%), hasil uji coba perorangan dengan kualifikasi baik (80%), dan hasil uji coba kelompok kecil dengan kualifikasi baik (87%), hasil uji coba lapangan dengan kualifikasi baik (84%). (3) hasil efektifitas model pembelajaran e-learning berbasis flipped classroom pada mata pelajaran matematika mendapatkan t hitung 10.65 lebih besar dari t tabel 2.00 dengan db sebesar 60 dan taraf signifikansi 5%. Dengan demikian E-Learning model Flipped Classroom yang dikembangkan dinyatakan valid, dan layak digunakan sebagai salah satu model pembelajaran.

Kata-kata Kunci: Pengembangan, *Elearning berbasis Flipped Classroom*, ADDIE

**DEVELOPMENT OF E-LEARNING BASED ON THE FLIPPED
CLASSROOM MODEL FOR CLASS VIII STUDENTS MATHEMATICS
COURSES AT SMP N 2 SINGARAJA FOR THE ACADEMIV YEAR**

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ABSTRACT

This study aims to: (1) determine the development design of the Flipped Classroom model of E-Learning development, (2) determine the validity of the results of the Flipped Classroom model E-Learning development on mathematics subjects in class VIII at SMP N 2 Singaraja, and (3) determine the effectiveness E-Learning Flipped Classroom model in mathematics class VIII at SMP N 2 Singaraja This type of research is development research using ADDIE. Data was collected using the method of recording documents, questionnaires and tests. The data collection instruments used were document recording sheets, questionnaire sheets. The data analysis used is descriptive qualitative analysis, descriptive quantitative. The results of this study are:) the design of an e-learning model based on the flipped classroom in mathematics subjects including analysis, design, development, implementation, and evaluation. (2) the results of the validity test from the experts and the product test subjects received valid predicates based on: the results of a review of learning content experts with very good qualifications (93%), the results of a review of learning design experts with good qualifications (89%), the results of a media expert review learning with very good qualifications (94%), individual trial results with good qualifications (80%), and small group trial results with good qualifications (87%), field trial results with good qualifications (84%). (3) the results of the effectiveness of the flipped classroom-based e-learning model in mathematics subjects get a t count of 10.65 which is greater than t table of 2.00 with a db of 60 and a significance level of 5%. Thus the Flipped Classroom E-Learning model developed is declared valid, and feasible to be used as a learning model.

Keywords: Development, Flipped Classroom-based E-learning, ADDIE