

ABSTRAK

Agustina Rini Purbosari, 2021. Pengembangan Platform Learning Management System (LMS) Berbasis Moodle dalam Pembelajaran Jarak Jauh Materi Lingkaran Untuk Siswa Kelas VIII SMP Negeri 3 Yogyakarta. Skripsi. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan. Universitas Sanata Dharma.

Latar belakang penelitian ini yaitu penggunaan *Google Classroom* di SMP Negeri 3 Yogyakarta dirasa kurang efektif. Siswa SMP Negeri 3 Yogyakarta membutuhkan suatu *platform* yang dapat mengemas semua aktivitas pembelajaran menjadi satu. Oleh karena itu, peneliti mengembangkan *platform Learning Management System (LMS)* Berbasis Moodle. Penelitian ini bertujuan untuk mengetahui: 1) proses pengembangan *platform Learning Management System (LMS)* Berbasis Moodle; 2) kelayakan *platform Learning Management System (LMS)* Berbasis Moodle yang ditinjau dari aspek praktis, valid dan efektif;

Jenis penelitian ini adalah penelitian pengembangan dengan model pengembangan ADDIE. Subjek penelitian ini adalah siswa kelas VIIIF SMP Negeri 3 Yogyakarta tahun ajaran 2020/2021 yang berjumlah 20 anak. Objek dalam penelitian ini adalah kelayakan *platform Learning Management System (LMS)* Berbasis Moodle dalam pembelajaran jarak jauh di SMP Negeri 3 Yogyakarta. Pengambilan data penelitian ini dilaksanakan pada bulan Februari – April 2021. Data pada penelitian ini meliputi data hasil validasi *platform* oleh ahli media dan ahli materi, data hasil tes peserta didik serta data tanggapan guru dan siswa tentang penggunaan *platform Learning Management System (LMS)* Berbasis Moodle. Data pada penelitian ini dikumpulkan melalui instrumen validasi, tes tertulis dan kuesioner.

Hasil penelitian yang diperoleh: 1) Proses pengembangan *platform Learning Management System (LMS)* Berbasis Moodle menggunakan model pengembangan ADDIE yang melalui 5 tahap, yaitu: analisis, desain, pengembangan, implementasi dan evaluasi. 2) Produk *Platform Learning Management System (LMS)* Berbasis Moodle dikatakan layak digunakan sebagai media pembelajaran ditinjau dari 3 aspek yaitu: aspek kevalidan yang diperoleh dari hasil validasi dengan rata – rata skor 84,21% masuk dalam kriteria valid, aspek keefektifan ditinjau dari soal tes diperoleh hasil persentase siswa yang tuntas adalah 70% sehingga dikatakan efektif, dan aspek kepraktisan ditinjau dari kuesioner dan diperoleh hasil persentase rata – rata keseluruhan 73,97% sehingga masuk dalam kriteria praktis.

Kata kunci: Media Pembelajaran, *Learning Management System (LMS)* Moodle, Pengembangan, Kelayakan

ABSTRACT

Agustina Rini Purbosari, 2021. Development of a Moodle-Based Learning Management System (LMS) Platform in Distance Learning Circle Materials for Class VIII Students of SMP Negeri 3 Yogyakarta. Thesis. Mathematics Education Study Program, Department of Mathematics and Natural Sciences Education, Faculty of Teacher Training and Education. Sanata Dharma University.

The background of this research is that the use of Google Classroom at SMP Negeri 3 Yogyakarta is considered less effective. Students of SMP Negeri 3 Yogyakarta need a platform that can package all learning activities into one. Therefore, the researcher developed a Moodle-Based Learning Management System (LMS) platform. This study aims to determine: 1) the process of developing a Moodle-Based Learning Management System (LMS) platform; 2) the feasibility of the Moodle-Based Learning Management System (LMS) platform in terms of practical, valid, and effective aspects;

This type of research was development research with the ADDIE development model. The subjects of this study were students of class VIIIF SMP Negeri 3 Yogyakarta for the academic year 2020/2021, totaling 20 children. The object of this research was the feasibility of the Moodle-Based Learning Management System (LMS) platform in distance learning at SMP Negeri 3 Yogyakarta. The data collection of this research was carried out on February – April 2021. The data in this study included data on platform validation results by media experts and material experts, data on student test results, and data on teacher and student responses regarding the use of the Moodle-Based Learning Management System (LMS) platform. The data in this study were collected through validation instruments, written tests, and questionnaires.

The research results obtained: 1) The process of developing a Moodle-Based Learning Management System (LMS) platform using the ADDIE development model through 5 stages, namely: analysis, design, development, implementation, and evaluation. 2) The Moodle-Based Learning Management System (LMS) Platform product is said to be suitable for use as a learning media in terms of 3 aspects, namely: the validity aspect obtained from the validation results with an average score of 84.21% included in the valid criteria, the effectiveness aspect in terms of questions The test results obtained that the percentage of students who complete is 70% so it is said to be effective, and the practicality aspect is reviewed from the questionnaire and the overall average percentage result is 73.97% so that it is included in the practical criteria.

Keywords: Learning Media, Moodle Learning Management System (LMS), Development, Feasibility