

ABSTRAK

Rohmatullah, NIM 4162121004 (2021). Pengembangan Learning Management System Berbasis Moodle Pada Materi Pokok Momentum dan Impuls Di SMA Negeri Unggul Subulussalam.

Penelitian ini bertujuan untuk mengembangkan media pembelajaran *Learning Management System* berbasis *Moodle* yang memenuhi tingkat kevalidan, tingkat kemenarikan dan tingkat keefektifan media pembelajaran pada materi momentum dan impuls tingkat SMA. Jenis penelitian ini adalah R&D (*research and development*) dengan model pengembangan Borg and Gall dengan langkah yaitu penelitian dan pengumpulan data (*research and information collection*), perencanaan (*planning*), pengembangan draft produk awal (*develop preliminary form of product*), uji coba lapangan awal (*preliminary field testing*), revisi hasil uji coba (*main product revision*), uji lapangan produk utama (*main field testing*), dan uji coba lapangan skala luas/uji kelayakan (*operational field testing*). Sampel pengujian media dalam penelitian ini adalah Siswa SMA Negeri Unggul Subulussalam. Berdasarkan hasil penelitian, diperoleh bahwa media pembelajaran dinyatakan layak dengan hasil validasi ahli materi sebesar 85.5%, validasi ahli media sebesar 85.9%, hasil uji kemenarikan media pembelajaran oleh guru sebesar 86.2%, hasil uji kemenarikan media pembelajaran oleh siswa kelompok kecil sebesar 86.1%, hasil uji kemenarikan media pembelajaran oleh siswa kelompok sedang sebesar 89.1%, dan hasil uji kemenarikan media pembelajaran oleh siswa kelompok luas sebesar 89.1% dengan kategori sangat baik.

Kata Kunci: Learning Management System, *Moodle*, Penelitian R&D

ABSTRACT

Rohmatullah, NIM 4162121004 (2021). Development of a Moodle-based Learning Management System on Momentum and Impulse Main Materials at SMA Negeri Unggul Subulussalam.

This study aims to develop Moodle-based Learning Management System learning media that meet the level of validity, level of attractiveness and level of effectiveness of instructional media on momentum and impulse material at high school level. This type of research is R&D (research and development) with the Borg and Gall development model with steps namely research and data collection (research and information collection), planning, development of initial product drafts (develop preliminary form of product), field trials. preliminary field testing, revision of main product revision, main product field testing, and operational field testing. The sample of media testing in this study were students of SMA Negeri Unggul Subulussalam. Based on the research results, it was found that the learning media was declared feasible with the results of the validation of material experts by 85.5%, the validation of media experts by 85.9%, the results of the test of learning media attractiveness by the teacher of 86.2%, the results of the test of the attractiveness of learning media by small group students of 86.1%, The results of the learning media attractiveness test by students in the medium group were 89.1%, and the results of the test results for the attractiveness of learning media by broad group students were 89.1% with the very good category.

Keywords: Learning Management System, Moodle, R&D Research

