ABSTRAK

Regita Salsabila (4193331036) (2023). Pengembangan *Learning Management System* **(LMS) pada Materi Tata Nama Senyawa Kimia.**

Salah satu persoalan yang berkaitan dengan hasil belajar mata pelajaran kimia adalah kurang bervariasinya media pembelajaran. Materi tata nama senyawa juga menjadi masalah dalam hal kesulitan menghafal dan memahami konsep. Berdasarkan hal tersebut, maka penelitian ini bertujuan untuk mengembangkan media *Learning Management System* (LMS). Metode yang digunakan adalah metode *Research & Development* (R & D) dengan model pengembangan ADDIE (*Anaysis, Design, Development, Implementation, & Evaluation*). Analisis bahan ajar dan kurikulum dilakukan pada tahapan analisis menggunakan lembar wawancara. Selanjutnya media LMS didesain dan dikembangkan. Media yang dikembangkan divalidasi oleh validator media dan materi, berdasarkan kriteria mengikuti Badan Standar Nasional Pendidikan (BNSP), yaitu kelayakan isi, bahasa, penyajian, serta kegrafikan. Selain itu, hasil belajar diukur pada tahapan implementasi menggunakan soal *pre test* dan *post test*. Respon siswa terhadap media LMS juga diukur menggunakan angket. Hasil penelitian pada tahapan hasil analisis bahan ajar bahwa materi pada buku paket yang digunakan masih belum lengkap dan masih menggunakan 2013. Selain itu, hasil validasi LMS ditemukan bahwa rata-rata 91 persen nilai validasi untuk media dan 85 persen untuk materi, dengan kategori 'sangat layak'. Sedangkan hasil belajar ditemukan dari rata-rata nilai N-Gain yang diperoleh sebesar 0,74 dengan kategori 'tinggi'. Selanjutnya, respon siswa terhadap media LMS menunjukkan rata-rata 80 persen, yang bermakna bahwa respon tersebut adalah positif. Dengan demikian, maka dapat disimpulkan bahwa media LMS tata nama senyawa kimia telah memenuhi kriteria standar BNSP dan layak digunakan sebagai media pembelajaran. Hasil belajar siswa meningkat dan respon siswa terhadap media juga positif.

Kata Kunci : Pengembangan, *Learning Management System* (LMS), Tata Nama Senyawa Kimia, Hasil Belajar Siswa & Respon Siswa

ABSTRACT

Regita Salsabila (4193331036) (2023). Pengembangan *Learning Management System* (LMS) pada Materi Tata Nama Senyawa Kimia.

One of the problems related to learning outcomes in chemistry subjects is the less varied learning media. Compound nomenclature material is also a problem in terms of difficulty memorizing and understanding concepts. Based on this, this study was aimed to develop a Learning Management System (LMS) media. The method used was the Research & Development (R&D) method with the ADDIE development model (Anaysis, Design, Development, Implementation, & Evaluation). Analysis of the subject matter and curriculum was carried out at the analysis stage using an interview. Furthermore, the LMS media was designed and developed. The developed media was validated by media and material validators, based on the criteria of following the National Education Standards Agency (BNSP), namely the feasibility of content, language, presentation, and graphics. In addition, learning outcomes were measured at the implementation stage using pre-test and post-test questions. Student responses to media were also measured using angles. The results of the research on the results of the analysis of teaching materials showed that the materials in the book package used were still incomplete and were still using 2013. In addition, the LMS validation results found that an average of 91 percent validation value for media and 85 percent for materials, with the category ' very worth it'. While learning outcomes are found from the average N-Gain value was obtained at 0.74 in the 'high' category. Furthermore, student responses to LMS media show an average of 80 percent, which means that the response was positive. Thus, it can be concluded that the media nomenclature of chemical compounds has fulfilled the BNSP criteria and was suitable for use as a learning medium. Student learning outcomes increased and student responses to the media were also positive.

Keywords : *Development, Learning Management System (LMS), Nomenclature of Chemical Compounds, Student Learning Outcomes & Student Responses*