ABSTRAK

Ramadhani Putri Lestari .S. NIM. 8186141001. Pengembangan Bahan Ajar Kelarutan dan Hasil Kali Kelarutan Menggunakan *E-Learning* Berbasis *Moodle* untuk Meningkatkan Motivasi dan Hasil Belajar Siswa. Tesis. Medan: Program Studi Pendidikan Kimia, Pascasarjana Universitas Negeri Medan, 2021.

Penelitian ini bertujuan untuk 1) mengetahui bahan ajar yang digunakan disekolah sesuai dengan BSNP, 2) mengembangkan bahan ajar kelarutan dan hasil kali kelarutan dengan e-learning berbasis moodle 3) mengetahui bahan ajar yang dikembangkan dapat meningkatkan motivasi siswa, 4) mengetahui bahan ajar yang dikembangkan dapat meningkatkan hasil belajar, serta 5) mengetahui korelasi antara motivasi dan hasil belajar siswa. Jenis penelitian yang digunakan adalah penelitian pengembangan R&D (*Research and Development*) yang dimodifikasi dari pengembangan model ADDIE (*Analysis, Design, Development, Implementation, and Evaluation*). Populasi penelitian ini adalah seluruh siswa/siswi SMA Negeri 1 Badar kelas XI MIA. Sampel penelitian adalah siswa/ siswi kelas XI MIA 1 yang berjumlah 25 orang dengan menggunakan teknik pengumpulan data *purposive sampling*. Instrumen penelitian berupa lembar penilaian BSNP, soal tes objektif yang telah divalidasi dan angket motivasi siswa. Berdasarkan hasil analisis data diperoleh 1) persen kelayakan bahan ajar yang digunakan disekolah sebesar 85% dengan kategori sangat layak, 2) persentase kelayakan bahan ajar yang dikembangkan sebesar 93,5% dan kelayakan e-learning moodle sebesar 87,5% sehingga bahan ajar berbasis moodle dikategorikan sangat layak, 3) motivasi siswa diperoleh persentase sebesar 74,30% dengan kualifikasi baik, 4) peningkatan hasil belajar siswa sebesar 58% dengan peningkatan cukup baik dan 5) terdapat korelasi cukup antara motivasi dan hasil belajar siswa yang diajarkan dengan bahan ajar kelarutan dan hasil kali kelarutan menggunakan e-learning berbasis moodle. Maka dapat diperoleh kesimpulan bahan ajar kelarutan dan hasil kali kelarutan menggunakan e-learning berbasis Moodle layak digunakan dan dapat meningkatkan motivasi dan hasil belajar siswa.

Kata Kunci : *E-Learning, Moodle, KSP, Motivasi, Hasil Belajar*

ABSTRACT

Ramadhani Putri Lestari .S. NIM. 8186141001. ***Development of Solubility and Solubility Products Teaching Materials Using E-Learning Based Moodle to Increase Student Motivation and Learning Outcomes*****.** Thesis. Medan: Department of Chemistry Education, Postgraduate of State University of Medan, 2021.

This study aims to 1) find out the teaching materials used in schools according to BSNP, 2) develop solubility teaching materials and solubility products with moodle-based e-learning 3) find out the teaching materials developed can increase student motivation, 4) determine the teaching materials used developed can improve learning outcomes, and 5) determine the correlation between motivation and student learning outcomes. The type of research used is R&D (Research and Development) development research which is modified from the development of the ADDIE (Analysis, Design, Development, Implementation, and Evaluation) model. The population of this study were all students of SMA Negeri 1 Badar class XI MIA. The research sample was 25 students of class XI MIA 1, using purposive sampling data collection technique. The research instruments were BSNP assessment sheets, validated objective test questions and student motivation questionnaires. Based on the results of data analysis, it was obtained 1) the percentage of eligibility of teaching materials used in school was 85% with the very feasible category, 2) the percentage of feasibility of teaching materials developed was 93.5% and the eligibility of Moodle e-learning was 87.5% so that the teaching materials were based on Moodle is categorized as very feasible, 3) student motivation is obtained by a percentage of 74.30% with good qualifications, 4) an increase in student learning outcomes by 58% with a fairly good increase and 5) there is a sufficient correlation between motivation and student learning outcomes taught with teaching materials solubility and solubility product using moodle-based e-learning. So it can be concluded that the solubility of teaching materials and the product of solubility using Moodle-based e-learning is feasible and can increase student motivation and learning outcomes.

Keywords : *E-Learning, Moodle, KSP, Motivation, Learning Outcomes*