PENGEMBANGAN LEMBAR KERJA MAHASISWA BERBASIS MASALAH TERINTEGRASI KARAKTER DALAM MENINGKATKAN HASIL BELAJAR PADA MATA KULIAH KIMIA DASAR DI PERGURUAN TINGGI

ABSTRAK

Penelitian ini bertujuan untuk mengembangkan Lembar Kerja Mahasiswa (LKM) berbasis masalah terintegrasi karakter dalam Pembelajaran Kimia Dasar di Perguruan Tinggi pada materi Larutan Asam Basa. Penelitian ini menggunakan metode penelitian dan pengembangan (*R&D)* dengan desain ADDIE *(Analysis, Design, Development, Implementation, Evaluation)*, tahap *Analysis*, *Design*, dan *Development* merupakan tahap pengembangan LKM berbasis masalah terintegrasi karakter. Sementara tahap *Implementation* dan *Evaluation* merupakan Tahap Pengembangan LKM berbasis masalah terintegrasi karakter di salah satu Perguruan Tinggi di Kota Medan Tahun Ajaran 2019/2020. Teknik pengambilan sampel dalam penelitian ini adalah *purposive sampling* sebanyak 60 mahasiswa. Penelitian ini menggunakan dua kelas, yakni kelas eksperimen I menggunakan LKM berbasis masalah terintegrasi karakter, sedangkan kelas eksperimen II tanpa menggunakan LKM. Berdasarkan kriteria penilaian BNSP, hasil analisis LKM berbasis masalah terintegrasi karakter memperoleh kelayakan isi sebesar 3,49; kelayakan bahasa sebesar 3,42; kelayakan penyajian sebesar3,54; dan kelayakan kegrafikan sebesar 3,33. Rerata N-*Gain* hasil belajar mahasiswa menggunakan Lembar Kerja Mahasiwa berbasis masalah terintegrasi karakter sebesar 0,83 (tinggi). Hasil uji statistik *Paired sample T-Test* menunjukkan nilai *Sig. (2-Tailed)* = 0,000, yang berarti LKM berbasis masalah terintegrasi karakter dapat meningkatkan hasil belajar mahasiswa. Kesimpulan yang dapat diambil yaitu penggunaan LKM berbasis masalah terintegrasi karakter dapat meningkatkan hasil belajar mahasiswa dan sesuai dengan karateristik materi dan kebutuhan mahasiswa.

Kata Kunci : Pengembangan, LKM , Asam Basa, Terintegrasi Karakter, Berbasis Masalah

DEVELOPMENT OF WORK SHEET BASED ON CHARACTER INTEGRATED PROBLEMS IN IMPROVING LEARNING OUTCOMES IN BASIC CHEMICAL IN HIGHER EDUCATION

ABSTRACT

This study aims to develop Student Worksheets (LKM) based on integrated character problems for learning basic chemistry in Higher education on acid-base material. This research uses a research and development (R&D) method with ADDIE design (Analysis, Design, Development, Implementation, Evaluation), the Analysis, Design, and Development stages are the development stages of LKM based on integrated character problems. While the Implementation and Evaluation is the stage of developing an integrated character based LKM in one of the tertiary institutions in Medan in 2019/2020 Academic Year. The sampling technique in this study was purposive sampling of 60 students. This study uses two classes, that is the experimental class I using LKM based on integrated character problems, while the experimental class II without using LKM. Based on the BNSP assessment criteria, the results of the integrated problem-based LKM analysis of the characters obtain content worthiness of 3.49; language feasibility of 3.42; presentation eligibility of 3.54; and the feasibility of a graphic of 3.33. The mean N-Gain of student learning outcomes using LKM based on integrated character problems is 0.83 (high). Paired sample T-Test statistical test results indicate the value of Sig. (2-Tailed) = 0,000, which means integrated character based LKM can improve student learning outcomes. The conclusion that can be taken is the use of character-based integrated LKM to improve student learning outcomes and in accordance with the material characteristics and needs of students.

Keyword : Development, LKM, Acid-Base, Integrated Character, Problem Based