PENGEMBANGAN KONTEN DAN STRATEGI PRESENTASI POWER POINT BERBANTUAN LEMBAR KERJA PESERTA DIDIK UNTUK TOPIK LARUTAN ASAM BASA MELALUI DARING

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ABSTRAK

Penelitian ini bertujuan untuk mendeskripsikan spesifikasi konten dan strategi serta validasi produk presentasi *power point* program pembelajaran *problem-based learning (PBL)* Berbantuan LKPD dengan pendekatan saintifik untuk Topik Larutan Asam Basa Melalui Daring. Jenis penelitian ini adalah penelitian dan pengembangan *(R&D)* dengan mengikuti model pengembangan Luther dan model pengembangan Dick and Carrey (2004). Instrumen yang digunakan dalam penelitian pengembangan ini adalah daftar cek studi dokumen, pedoman wawancara, soal pengetahuan awal terkait materi prasyarat larutan asam basa, dan juga lembar penilaian produk yang dikembangkan. Karakteristik dari produk yang dikembangkan meliputi 1) mengikuti urutan sintak *Problem-Based Learning* (*PBL*), 2) dimulai dari adanya permasalahan dengan menampilkan suatu fenomena, 3) di dalam produk sintak *problem-based learning* (*PBL*) mengakomodasi 5M, 4) adanya konten-konten pendukung dalam produk *power point*, seperti halnya konten gambar, musik, animasi, *hyperlink*, dan potongan video percobaan/praktikum, 5) pada LKPD mengikuti langkah kegiatan 5M (mengamati, menanya, mengumpulkan data, mengasosiasi, dan mengkomunikasikan). Validasi oleh para ahli menghasilkan rata-rata proporsi nilai sebesar 75% dari ahli media, 75% dari ahli isi, 84,09% dari ahli bahasa, dan 91,89% dari praktisi. Hasil uji keterbacaan produk oleh siswa menunjukkan bahwa produk yang dikembangkan terbaca dengan baik oleh siswa dilihat dari hasil pengisian LKPD dengan lebih dari 50 persen sudah banyak mampu, sehingga siswa dapat memahami *power point*.

Kata Kunci : *power point*, model *problem-based learning*, lembar kerja peserta didik, larutan asam basa

THE DEVELOPMENT OF POWER POINT PRESENTATION CONTENTS AND STRATEGIES ASSISTED WITH STUDENTS' WORKSHEETS FOR THE TOPIC OF ACID-BASED SOLUTIONS ONLINE

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ABSTRACT

This study aims to describe content specifications and strategies, and product validation for Problem-Based Learning (PBL) Learning Program Power Point Presentations Assisted with Students' Worksheets (LKPD) for Acid-Base Solutions Online using a scientific approach. The Luther development model and the Dick and Carrey (2004) development model were both used in this study.A checklist of document studies, interview guides, preliminary knowledge questions on the required material for acid-base solutions, and a product assessment sheet developed were all employed as instruments in this development research. The developed product had the following features: 1) it adhered to the Problem-Based Learning (PBL) syntax sequence; 2) it began with a problem by showing a phenomenon; 3) the problem-based learning (PBL) syntax products accommodated 5M, 4) there were supporting content in power point products, such as image content, music, animation, hyperlinks, and experimental/practical video snippets, 5) the LKPD followed the steps of 5M activities (observing, asking questions, collecting data, associating, and communicating). Validation by experts resulted in an average score of 75% from the media experts, 75% from the content experts, 84.09% from the linguists, and 91.89% from the practitioners. The results of the product readability test by students showed that the product developed was well-read by students, as evidenced by the results of the LKPD with more than 50% of them being capable, so that students could understand the power point.

Keywords: power point, problem-based learning model, students' worksheets, acid-base solutions