

ABSTRAK

Lera Sani Damah Putri, NIM 4193331016 (2024). Pengembangan Modul Kimia Berbasis Model Pembelajaran *Problem Based Learning* (PBL) Menggunakan Aplikasi Canva Pada Materi Stoikiometri.

Penelitian ini merupakan penelitian pengembangan yang bertujuan untuk mengetahui kelayakan modul kimia pada materi stoikiometri. Pada penelitian ini digunakan model pembelajaran *Problem Based Learning* (PBL) yang dimodifikasi Dimana hanya dilakukan tahap analisis (analysis), desain (design) dan pengembangan (development). Penelitian ini dilaksanakan di SMA Negeri 13 Medan yang dilaksanakan selama 3 bulan. Kelayakan media dilihat melalui angket kelayakan ahli media dan ahli materi dengan skala likert 1 sampai 5. Validitas modul kimia berbasis model pembelajaran *Problem Based Learning* (PBL) menggunakan aplikasi canva pada materi stoikiometri didapatkan dari hasil validasi dosen dan guru, sedangkan penilaian responden terhadap modul kimia berbasis model pembelajaran *Problem Based Learning* (PBL) menggunakan aplikasi canva pada materi stoikiometri ini didapatkan dari hasil penilaian guru dan siswa. Hasil penelitian yang diperoleh menunjukkan bahwa modul kimia berbasis model pembelajaran *Problem Based Learning* (PBL) menggunakan aplikasi canva pada materi stoikiometri memenuhi kriteria kelayakan Badan Standar Nasional Pendidikan (BNSP), dengan kriteria Layak dengan persentase materi 87,67% dan persentase media 86% serta sudah dilakukan revisi dari saran/komentar yang diberikan validator dan modul kimia berbasis model pembelajaran *Problem Based Learning* (PBL) menggunakan aplikasi canva pada materi stoikiometri dikategorikan Sangat Menarik dengan persentase rata-rata hasil respon guru 91,30% dan respin siswa dengan persentase rata-rata yaitu 81,00%. Berdasarkan hasil validasi ahli dan penilaian responden dapat disimpulkan bahwa modul kimia berbasis model pembelajaran *Problem Based Learning* (PBL) menggunakan aplikasi canva pada materi stoikiometri ini sudah layak untuk digunakan dalam pembelajaran stoikiometri.

Kata Kunci : *Problem Based Learning* (PBL), Aplikasi Canva

ABSTRACT

Lera Sani Damah Putri, NIM 4193331016 (2024). Development of chemistry modules based on *Problem Based Learning* (PBL) learning models using the Canva application on stoichiometry material.

This research is a development research that aims to determine the feasibility of chemistry modules on stoichiometric material. In this study, a modified Problem Based Learning (PBL) learning model was used where only the analysis, design and development stages were carried out. This research was carried out at SMA Negeri 13 Medan which was carried out for 3 months. Media eligibility is seen through media expert and material expert eligibility questionnaires with a likert scale of 1 to 5. The validity of the chemistry module based on the Problem Based Learning (PBL) learning model using the Canva application on stoichiometry material was obtained from the validation results of lecturers and teachers, while the respondents' assessment of the *Problem Based Learning* (PBL) learning model-based chemistry module using the Canva application on this stoichiometric material was obtained from the results of teacher and student assessments. The results of the research obtained showed that the chemistry module based on the *Problem Based Learning* (PBL) learning model using the Canva application on stoichiometric material met the eligibility criteria of the National Education Standards Agency (BNSP), with Feasible criteria with a percentage of material of 87.67% and a percentage of media of 86% and a revision of the suggestions/comments provided by validators and chemistry modules based on the *Problem Based Learning* (PBL) learning model using the Canva application on Stoichiometry material is categorized as Very Interesting with an average percentage of teacher response results of 91.30% and student responses with an average percentage of 81.00%. Based on the results of expert validation and respondents' assessment, it can be concluded that the chemistry module based on the *Problem Based Learning* (PBL) learning model using the Canva application on stoichiometry material is feasible for use in stoichiometric learning.

Keywords : *Problem Based Learning* (PBL), Canva Application