

ABSTRAK

Feri Bidiana Oktaria, NIM 4193131035 (2024) Pengembangan Bahan Ajar Berbasis Masalah pada Materi Termokimia di Kelas XI SMA.

Jenis penelitian yang digunakan adalah penelitian pengembangan berbasis *Research and Development* (R & D) dengan model pengembangan ADDIE (*Analysis, Desain, Development, Implementation, Evaluation*) yang dilakukan hingga tahap *development*. Penelitian ini bertujuan: 1) Untuk mengetahui kelayakan bahan ajar berbasis masalah pada materi termokimia di kelas XI SMA memenuhi standar BSNP berdasarkan hasil validasi ahli dan 2) Untuk mengetahui respon siswa terhadap bahan ajar berbasis masalah pada materi termokimia di kelas XI SMA yang dikembangkan. Sampel penelitian ini adalah siswa kelas XII-2 di SMA Negeri 1 Bangun Purba dan objek penelitian adalah pengembangan bahan ajar berbasis masalah pada materi termokimia di kelas XI SMA. Hasil penelitian menunjukkan: 1) Bahan ajar berbasis masalah pada materi termokimia yang telah dikembangkan telah memenuhi kriteria kelayakan isi, kelayakan penyajian, kelayakan bahasa dan kelayakan kegrafikan berdasarkan standar BSNP. Hal ini dapat dilihat dari rata-rata validasi dosen sebesar 3,52 dan data rata-rata validasi guru sebesar 3,85. Sehingga bahan ajar yang dikembangkan sudah valid dan layak digunakan dalam proses pembelajaran. 2) Berdasarkan hasil angket 35 respon siswa terhadap bahan ajar berbasis masalah pada materi termokimia diperoleh rata-rata 3,65 yang berarti siswa memberikan respon positif dan tertarik terhadap bahan ajar yang telah dikembangkan.

Kata kunci : bahan ajar, berbasis masalah, pengembangan, termokimia.

ABSTRACT

Feri Bidiana Oktaria, NIM 4193131035 (2024) Development of Problem-Based Teaching Materials on Thermochemical Material in Class XI SMA.

The type of research used is Research and Development (R & D) based development research with the ADDIE (Analysis, Design, Development, Implementation, Evaluation) development model which is carried out up to the development stage. This research aims: 1) To determine the feasibility of problem-based teaching materials on thermochemical material in class The sample of this research was class XII-2 students at SMA Negeri 1 Bangun Purba and the object of the research was the development of problem-based teaching materials on thermochemical material in class XI SMA. The research results show: 1) The problem-based teaching materials on thermochemical material that have been developed have met the criteria for appropriateness of content, appropriateness of presentation, appropriateness of language and appropriateness of graphics based on BSNP standards. This can be seen from the average lecturer validation of 3.52 and the average teacher validation data of 3.85. So that the teaching materials developed are valid and suitable for use in the learning process. 2) Based on the results of a questionnaire of 35 student responses to problem-based teaching materials on thermochemical material, an average of 3.65 was obtained, which means students gave positive responses and were interested in the teaching materials that had been developed.

Keywords: teaching materials, problem-based, development, thermochemistry.

