

ABSTRACT

Melvy Br Perangin-angin, Nim 4193131054 (2019). Pengembangan Lembar Kerja Peserta Didik Berbasis Pendekatan Saintifik Pada Materi Reaksi Redoks Kelas X SMA.

This research aims to develop a scientific approach-based worksheet on redox reaction material for class X SMA. The research design used was the development (Research and Development) of the 4D models (Define, Design, Develop, and Disseminate) with a sample of 30 class XI Science students. Data collection techniques use validation sheets and questionnaires. The LKPD developed was validated by learning expert validators and material experts, as well as students as readability respondents. The results of the learning expert validation obtained a percentage of 84.2% in the very feasible category, while the results of the material expert validation were 74.6% in the very feasible category. The student response questionnaire results were 79% in the very good category. Based on the research results, it can be concluded that the LKPD based on a scientific approach on redox reaction material for class X SMA is declared suitable for use in the learning process.

Keywords: Student worksheets, scientific approach, redox reactions



ABSTRAK

Melvy Br Perangin-angin, Nim 4193131054 (2019). Pengembangan Lembar Kerja Peserta Didik Berbasis Pendekatan Saintifik Pada Materi Reaksi Redoks Kelas X SMA.

Penelitian ini bertujuan untuk mengembangkan LKPD berdasarkan pendekatan ilmiah pada materi reaksi redoks kelas X SMA. Desain penelitian yang digunakan dalam penelitian dan pengembangan (Research and Development) adalah 4D(Define, Design, Develop, dan Disseminate dengan sampel 30 siswa kelas XI IPA. Teknik pengumpulan data menggunakan lembar validasi dan angket Penelitian ini diuji oleh ahli pembelajaran dan ahli materi, serta siswa sebagai responden. Hasil validasi ahli pembelajaran didapatkan persentase rata-rata sebesar 84,2% dengan kategori sangat layak, sedangkan hasil validasi ahli materi didapatkan persentase 74,6% dengan kategori sangat layak. Hasil angket respon peserta didik didapatkan persentase sebesar 79% dengan kategori sangat baik. Berdasarkan hasil penelitian dapat disimpulkan bahwa LKPD berbasis pendekatan saintifik materi redoks SMA kelas X layak digunakan dalam proses pembelajaran.

Kata kunci: Lembar Kerja Peserta Didik, pendekatan saintifik, reaksi redoks

