

ABSTRAK

Ikhsan fajri, NIM 4203131007 (2024). Pengembangan Lembar Kerja Peserta Didik (LKPD) Berbasis Literasi Sains Dengan Konteks Kembang Api Pada Materi Reaksi Redoks.

Penelitian ini bertujuan untuk mengembangkan lembar kerja peserta didik berbasis literasi sains, mengukur tingkat kelayakan dan respon peserta didik dan guru. Subjek dalam penelitian ini terdiri dari 2 ahli materi, 2 ahli media, pendidik dan 30 peserta didik kelas XII UG B. Penelitian ini menggunakan metode *research and development* dengan model ADDIE. Teknik pengumpulan data yang digunakan diantaranya lembar observasi dan wawancara, angket ahli materi, media, respon guru dan peserta didik yang dianalisis menggunakan deskriptif persentase. Hasil penelitian diperoleh kriteria “Sangat layak” dari ahli materi dengan besaran persentase yaitu 89,5%, ahli materi 88,1%, respon guru 97%, dan respon peserta didik 89%. Hasil penelitian ini menunjukkan bahwa lembar kerja peserta didik berbasis literasi sains dengan konteks kembang api pada materi reaksi redoks sangat layak digunakan dalam pembelajaran kimia pada materi reaksi redoks.

Kata kunci: Lembar kerja peserta didik, Literasi sains, Kembang api dan reaksi redoks.

ABSTARCT

Ikhsan fajri, NIM 4203131007 (2024). Development of Student Worksheets (LKPD) Based on Science Literacy with the Context of Fireworks in Redox Reaction Material.

This research aims to develop student worksheets based on scientific literacy, measuring the level of feasibility and response of students and teachers. The subjects in this research consisted of 2 material experts, 2 media experts, educators and 30 class XII UG B students. This research used the research and development method with the ADDIE model. Data collection techniques used included observation and interview sheets, material expert questionnaires, media, teacher and student responses which were analyzed using descriptive percentages. The research results obtained the criteria "Very appropriate" from material experts with a percentage of 89.5%, material experts 88.1%, teacher response 97%, and student response 89%. The results of this research indicate that student worksheets based on scientific literacy with the context of fireworks in redox reaction material are very suitable for use in chemistry learning in redox reaction material.

Keywords: Student worksheets, scientific literacy, fireworks and redox reactions.