

ABSTRACT

Randi Saniago: *Development of Student Worksheets (LKPD) Based on Problem Solving Models in Class X Redox Reaction Materials.* **Skripsi. Palembang: Faculty of Tarbiyah and Teacher Training, UIN Raden Fatah Palembang, 2022.**

The purpose of this research is to test the product's validity and to determine students' responses to the Student Worksheet (LKPD) based on the Problem Solving Model in Class X Redox Reaction Material. This research is part of research and development (R&D). This research development model is a 4-D development model with four stages: define, design, develop, and disseminate. However, due to a number of obstacles, only three stages of this research were completed. For data collection, expert validation was used, as well as a questionnaire with a Likert scale for student responses. This research involved one material expert lecturer, one media expert, and one linguist. The subjects in this research were students in class X science at SMA Negeri 2 Semendawai Barat, which involved 6 students in a small-scale trial and 30 students in a medium-scale trial. The results showed that the LKPD based on the problem solving model developed were very valid and feasible to use, with a percentage of material experts of 95%, media experts of 92.5%, and linguists of 90%. Meanwhile, the percentage score of students in the small-scale trial was 81.97%, and the medium scale was 91.42%.

Keywords: *Student Worksheet (LKPD), Problem Solving, Redox Reaction*

ABSTRAK

Randi Saniago: Pengembangan Lembar Kerja Peserta Didik (LKPD) Berbasis Model *Problem Solving* Pada Materi Reaksi Redoks Kelas X. **Skripsi.** Palembang: Fakultas Ilmu Tarbiyah dan Keguruan, UIN Raden Fatah Palembang, 2022.

Penelitian ini bertujuan untuk menguji kevalidan produk dan mengetahui respon peserta didik terhadap Lembar Kerja Peserta Didik (LKPD) Berbasis Model *Problem Solving* Pada Materi Reaksi Redoks Kelas X. Penelitian ini merupakan penelitian pengembangan R&D (*Research and development*). Model pengembangan pada penelitian ini yaitu model pengembangan 4-D dengan empat tahap yakni; *define* (Pendefinisian), *design* (Perancangan), *develop* (Pengembangan), dan *disseminate* (Penyebaran). Namun pada penelitian ini hanya dilakukan sebanyak 3 tahap saja karena terdapat beberapa kendala. Teknik pengumpulan data menggunakan validasi ahli dan angket dengan skala *likert* untuk respon peserta didik. Penelitian ini melibatkan 1 dosen ahli materi, 1 ahli media dan 1 ahli bahasa. Subjek dalam penelitian ini adalah peserta didik kelas X IPA SMA Negeri 2 Semendawai Barat yang melibatkan 6 peserta didik pada uji coba skala kecil dan 30 peserta didik pada uji coba skala menengah. Hasil penelitian menunjukkan bahwa LKPD berbasis *Problem Solving* yang dikembangkan sangat valid atau layak digunakan dengan presentase ahli materi sebesar 95%, ahli media 92,5%, dan ahli bahasa 90%. Sedangkan respon peserta didik pada uji coba skala kecil memperoleh persentase skor 81,97% dan skala menengah sebesar 91,42%.

Kata Kunci: *Lembar Kerja Peserta Didik (LKPD), Problem Solving, Reaksi Redoks.*