ABSTRAK
PENGEMBANGAN LEMBAR KERJA PESERTA DIDIK BERBANTUAN TEKA-TEKI SILANG PADA MATERI REDOKS

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Lembar Kerja Peserta Didik (LKPD) merupakan salah satu bahan ajar pendukung untuk membantu dan mempermudah proses kegiatan belajar mengajar. Pembelajaran kimia di SMAN 2 Ngaglik masih menggunakan LKPD dengan penjelasan yang kurang menarik dan kurang menyajikan banyak latihan soal. Pada materi reaksi redoks, peserta didik mempelajari tentang transfer atom, oksigen, hidrogen, dan elektron dari satu spesi ke spesi lainnya dan belum terlalu mengesuai materi. Oleh karena itu, pada pembelajaran reaksi redoks diperlukan adanya LKPD yang memfasilitasi peserta didik untuk banyak berlatih mengerjakan latihan soal. Pada penelitian ini, dilakukan pengembangan produk berupa LKPD berbantuan teka-teki silang. Penelitian ini bertujuan untuk: (1) mengetahui proses pengembangan LKPD berbantuan teka-teki silang pada materi reaksi redoks; (2) mengetahui kelayakan dari LKPD berbantuan teka-teki silang pada materi redoks kelas X SMA N 2 Ngaglik. Jenis penelitian merupakan *Research and Development* (R&D) menggunakan model pengembangan ADDIE yakni *Analysis*, *Design*, *Development*, *Implementation, and Evaluation*. Instrumen dalam penelitian ini menggunakan lembar wawancara, lembar angket sebelum uji coba, lembar validasi, butir soal dalam LKPD dan angket setelah uji coba. Sampel penelitian sebanyak 10 peserta didik kelas X MIPA dipilih menggunakan teknik *purposive sampling*. Data penelitian yang diperoleh dianalisis secara deskriptif kualitatif-kuantitatif. Hasil penelitian menunjukkan bahwa: (1) produk LKPD berbantuan teka-teki silang pada materi reaksi redoks dengan model pengembangan ADDIE; (2) kelayakan produk LKPD berbantuan teka-teki silang pada materi reaksi redoks yang dikembangkan telah memenuhi kriteria sangat valid dengan persentase sebesar 90%, sangat efektif dengan perolehan rata-rata nilai sebesar 89%, dan sangat praktis dengan persentase sebesar 93%.

Kata Kunci: LKPD, Teka-teki silang, Reaksi Redoks

ABSTRACT
DEVELOPMENT OF STUDENT WORKSHEET WITH THE ASSISTANCE OF CROSS PUZZLES ON THE TOPIC OF REDOX

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Student worksheets (LKPD) are one of the supporting teaching materials to help and facilitate the process of teaching and learning activities. Chemistry learning at SMAN 2 Ngaglik still uses LKPD with less interesting explanations and does not present many practice questions. In the redox reaction material, students learn about the transfer of atoms, oxygen, hydrogen, and electrons from one species to another and have not really adjusted the material. Therefore, in learning redox reactions, it is necessary to have an LKPD that facilitates students to practice a lot of practice questions. In this study, product development was carried out in the form of LKPD assisted by crossword puzzles. This study aims to: (1) to know the process of developing LKPD assisted by crossword puzzles on redox reaction material; (2) to know the feasibility of LKPD assisted by crossword puzzles on redox material in class X SMA N 2 Ngaglik. This type of research is Research and Development (R&D) using the ADDIE development model, namely Analysis, Design, Development, Implementation, and Evaluation. The instruments in this study used interview sheets, questionnaires before the trial, validation sheets, items in the LKPD and questionnaires after the trial. The research sample was selected using purposive sampling technique as many as 10 students from class X MIPA. The research data obtained were analyzed descriptively qualitative-quantitative. The results showed that: (1) LKPD products assisted by crossword puzzles on redox reaction material with the ADDIE development model; (2) the feasibility of LKPD products assisted by crossword puzzles on redox reaction material developed has met the criteria very valid with a percentage of 90%, very effective with an average score of 89%, and very practical with a percentage of 93%.

***Keywords**: LKPD, Crossword Puzzle, Redox Reaction*