

## ABSTRAK

**Nurul Huda, NIM 4173131032 (2021). Pengembangan Lembar Kerja Siswa (LKS) Dengan Menggunakan Pendekatan Kontekstual Berbasis Multiple Representasi Pada Materi Laju Reaksi.**

Penelitian ini bertujuan untuk mengetahui (1) bagaimana mengembangkan LKS dengan menggunakan pendekatan kontekstual berbasis multiple representasi agar memenuhi standar BSNP, (2) kelayakan LKS yang dikembangkan dengan menggunakan pendekatan kontekstual berbasis multiple representasi berdasarkan standar BSNP dan (3) apakah hasil belajar siswa yang dibelajarkan menggunakan LKS dengan menggunakan pendekatan kontekstual berbasis multiple representasi pada materi laju reaksi lebih tinggi dari nilai KKM. Populasi dalam penelitian ini adalah seluruh siswa kelas XI MIA MAS Al- Hasyimiyah Tebing Tinggi. Sampel yang digunakan dalam penelitian ini diambil dengan teknik *Purposive Sampling* sebanyak satu kelas. Instrumen yang digunakan adalah Instrumen non-tes berupa angket BSNP yang telah di modifikasi dan angket respon siswa terhadap LKS yang telah dikembangkan serta instrumen tes sebanyak 20 soal yang valid dengan reliabilitas 0,86. Teknik analisa data dilakukan dengan (1) uji kelayakan LKS sesuai BSNP, (2) uji *One Sample T-Test*, dan (3) angket respon siswa terhadap LKS. Hasil penelitian yang diperoleh, yaitu : (1) Pengembangan dilakukan dengan menggunakan metode *R&D* dengan model pengembangan ADDIE yang disesuaikan dengan standar kelayakan BSNP, (2) LKS yang telah dikembangkan sesuai standar BSNP divalidasi oleh Dosen dan Guru Kimia diperoleh nilai rata-rata sebesar 3,45 dengan kriteria valid dan layak untuk digunakan dan berdasarkan perhitungan angket respon siswa terhadap LKS diperoleh nilai rata-rata sebesar 83,99 % dengan kriteria sangat baik dan LKS sangat layak digunakan, (3) Hasil belajar siswa menggunakan LKS dengan menggunakan pendekatan kontekstual berbasis multiple representasi lebih tinggi dari nilai KKM di sekolah dimana nilai  $t_{hitung} > t_{tabel}$ , yaitu  $2,262222 > 2,0141$ .

**Kata Kunci:** Lembar Kerja Siswa (LKS), Pendekatan Kontekstual, Multiple Representasi, Laju Reaksi



## ABSTRACT

**Nurul Huda, NIM 4173131032 (2021). Development of Student Worksheets (LKS) Using a Contextual Approach Based on Multiple Representations in the Reaction Rates Topic.**

This study aims to determine (1) how to develop student worksheets using a contextual approach based on multiple representations in order to meet BSNP standards, (2) the feasibility of student worksheets developed using a multiple representation-based contextual approach based on BSNP standards and (3) whether the student learning outcomes are using LKS by using a contextual approach based on multiple representations on the material the reaction rate is higher than the KKM value. The population in this study were all students of class XI MIA MAS Al-Hasyimiyah Tebing Tinggi. The sample used in this study was taken by using purposive sampling technique as much as one class. The instrument used was a non-test instrument in the form of a modified BSNP questionnaire and a student response questionnaire to the LKS that had been developed and a test instrument of 20 valid questions with a reliability of 0,86. The data analysis technique was carried out by (1) the feasibility test of the student worksheets according to the BSNP, (2) the One Sample T-Test, and (3) the student response questionnaire to the LKS. The research results obtained are: (1) Development is carried out using the R&D method with the ADDIE development model that is adjusted to the BSNP eligibility standards, (2) LKS that have been developed according to BSNP standards are validated by Chemistry Lecturers and Teachers obtained an average value of 3,45 with valid and feasible criteria for use and based on the calculation of the student response questionnaire to the student worksheet, it was obtained an average value of 83,99% with very good criteria and very suitable student worksheets used, (3) Student learning outcomes using LKS using a contextual-based approach. multiple representation is higher than the KKM score in schools where the  $t_{count} > t_{table}$ , which is  $2,262222 > 2,0141$ .

**Keywords:** Student Worksheet (LKS), Contextual Approach, Multiple Representations, Rate of Reaction