

ABSTRAK

Putri Malona Girsang, NIM 4223331030 (2026). Pengembangan LKPD Berbasis Model *Discovery Learning* dengan Integrasi Etnosains pada Materi Kimia Asam Basa.

Pembelajaran kimia pada materi asam basa masih cenderung abstrak dan kurang terkait dengan konteks kehidupan sehari-hari sehingga dibutuhkan bahan ajar yang inovatif dan kontekstual. Penelitian ini bertujuan untuk mengetahui tingkat validitas dan respon guru dan peserta didik terhadap LKPD berbasis model *Discovery Learning* dengan integrasi etnosains pada materi kimia asam basa. Penelitian ini merupakan penelitian pengembangan (*Research and Development*) dengan model 4D yang meliputi *define*, *design*, *develop*, dan *diseminate*. Subjek penelitian terdiri dari tiga validator ahli materi dan media, dua guru kimia, dan 36 peserta didik kelas XI SMAN 10 Medan. Instrumen yang digunakan adalah lembar validasi ahli materi dan media serta angket respon guru dan peserta didik dengan skala Likert. Hasil penelitian menunjukkan bahwa LKPD yang dikembangkan memiliki tingkat validitas ahli materi sebesar 80,42% dengan kategori sangat layak dan ahli media sebesar 81,87% dengan kategori sangat layak. Respon guru terhadap LKPD yaitu 96,79% dengan kategori sangat layak, dan respon peserta didik yaitu 81,11%, dengan kategori sangat layak. Hasil ini menunjukkan bahwa LKPD yang dikembangkan valid dan praktis untuk digunakan dalam pembelajaran dan mampu membantu peserta didik memahami konsep asam basa secara lebih kontekstual.

Kata kunci: Asam basa, *Discovery Learning*, etnosains, LKPD, pengembangan.

ABSTRAK

Putri Malona Girsang, NIM 4223331030 (2026). Development of Discovery Learning-Based Student Worksheets Integrated with Ethnoscience on Acid–Base Chemistry Material.

Chemistry learning on acid-base material still tends to be abstract and less related to the context of everyday life so that innovative and contextual teaching materials are needed. This study aims to determine the level of validity and responses of teachers and students to LKPD based on the Discovery Learning model with ethnoscience integration in acid-base chemistry material. This study is a development research (Research and Development) with a 4D model that includes define, design, develop, and disseminate. The research subjects consisted of three validators of material and media experts, two chemistry teachers, and 36 students of grade XI SMAN 10 Medan. The instruments used were validation sheets of material and media experts and questionnaires of teacher and student responses with a Likert scale. The results showed that the developed LKPD had a validity level of 80.42% for material experts with a very appropriate category and 81.87% for media experts with a very appropriate category. The teacher response to LKPD was 96.79% with a very appropriate category, and the student response was 81.11% with a very appropriate category. These results show that the developed LKPD is valid and practical for use in learning and is able to help students understand the concept of acids and bases in a more contextual way.

Keywords: Acid–base, development, Discovery Learning, ethnoscience, LKPD.