

## **ABSTRACT**

**Putri Rukaiyah:** Development of Student Worksheets Based on Discovery Learning for Chemistry Material for Grade X of Senior High School/Vocational High School. **Chemistry Education Study Program**, Faculty of Teacher Training and Education, Malikussaleh University 2025.

This study aims to determine the validity of the Student Worksheet (LKPD) for Chemistry for Grade 10 at MA Negeri 7 Bireuen, the feasibility of the LKPD for Chemistry for Grade 10 at MA Negeri 7 Bireuen, and student responses to the LKPD for Chemistry for Grade 10 at MA Negeri 7 Bireuen.

This study uses a Research and Development (R&D) model. This 4D model encompasses four main stages: Define, Design, Develop, and Disseminate. However, this study only covers the Development stage. The data collection techniques used in this study include validity testing, feasibility testing, and student responses.

The results of the study showed that the validity level was obtained at 79% from material experts and 91% from media experts, with the category "very valid", while the feasibility level was obtained at 82%, with the category "very feasible" and for student responses obtained at 83%, with the category "very interesting". Thus, LKPD on Chemistry material for Class X at MA Negeri 7 Bireuen using the Discovery Learning model is suitable for use.

**Keywords:** LKPD, Discovery Learning, Chemistry Class X, 4D