ABSTRAK

Adhitya Shahrian Putra, NIM 4212431005 (2025). Pengembangan E-Modul Berbasis Reading To Learn (R2L) Berbantuan Kvisoft Flipbook Maker untuk Meningkatkan Hots-Literacy Siswa pada Materi Ikatan Kimia.

Penelitian ini bertujuan untuk (1) Mengetahui kelayakan e-modul berbasis *Reading To Learn* pada materi ikatan kimia. (2) Mengetahui peningkatan kemampuan *HOTS-Literacy* siswa pada materi ikatan kimia setelah menggunakan e-modul berbasis *Reading To Learn*. (3) Mengetahui efektivitas e-modul berbasis *Reading To Learn* terhadap peningkatan *HOTS-Literacy* siswa pada materi ikatan kimia. (4) Mengetahui respon siswa terhadap e-modul berbasis *Reading To Learn* pada materi ikatan kimia. Penelitian ini dilaksanakan di MAN 1 Medan T.A 2024/2025 dengan seluruh siswa kelas XI SAINS sebagai populasi dan kelas XI SAINS A-1 sebagai sampel dengan pengambilan sampel menggunakan teknik *purposive sampling*. Jenis penelitian yang digunakan adalah *Research and Development* (R&D) dengan model pengembangan ADDIE (*Analysis, Design, Develop, Implementation, dan Evaluation*). Penelitian ini dilakukan sampai tahap implementasi atau tahap uji coba. Penilaian untuk menguji hasil kelayakan e-modul melibatkan tiga validator sebagai ahli materi dan ahli media, sedangkan tahap uji coba melibatkan 32 responden siswa kelas XI SAINS A-1 MAN 1 Medan. Perolehan hasil rata-rata dari validator pertama memberikan skor persentase kelayakan 86,47% masuk kedalam kategori "Sangat Layak". Dan penilaian dari validator kedua memberikan persentase kelayakan 92,64% masuk kedalam kategori "Sangat Layak". Sedangkan penilaian dari validator ketiga memberikan persentase kelayakan sebesar 90% masuk kedalam kategori "Sangat Layak. Hasil uji N-Gain score sebesar 0,70 dengan persentasi 70,03% dengan kriteria tinggi. Tingkat keefektifitasan e-modul dilihat dari nilai posttest siswa yang dinyatakan tuntas karena skor hasil belajar siswa mencapai nilai KKM sebanyak 32 siswa dengan persentase ketuntutasan klasikal sebesar 100% sehingga termasuk kedalam kriteria sangat efektif. Sehingga dapat disimpulkan bahwa bahan ajar E-Modul berbasis *Reading to Learn* layak digunakan karena dapat meningkatkan kemampuan *HOTS-Literacy* siswa pada materi Ikatan Kimia.

Kata Kunci : Pengembangan, E-Modul, R2L, Ikatan Kimia, Host-Literacy

ABSTRACT

Adhitya Shahrian Putra, NIM 4212431005 (2025). Development of Reading To Learn (R2L) Based E-Modules Assisted by Kvisoft Flipbook Maker to Improve Students' Hots-Literacy in Chemical Bonding Material.

This study aims to (1) To determine the feasibility of e-modules based on Reading To Learn on chemical bond materials. (2) To determine the improvement of students' HOTS-Literacy skills on chemical bonds after using e-modules based on Reading To Learn. (3) To determine the effectiveness of e-modules based on Reading To Learn in improving students' HOTS-Literacy on chemical bonds. (4) To determine students' responses to the Reading To Learn-based e-module on chemical bonds. This research was conducted at MAN 1 Medan T.A 2024/2025 with all students of class XI SAINS as the population and class XI SAINS A-1 as the sample with sampling using purposive sampling technique. The type of research used is Research and Development (R&D) with the ADDIE development model (Analysis, Design, Develop, Implementation, and Evaluation). This research was conducted up to the implementation stage or the trial stage. The assessment to test the results of the feasibility of e-modules involved three validators as material experts and media experts, while the trial stage involved 32 student respondents in class XI SAIN A-1 MAN 1 Medan. The average results of the first validator gave a feasibility percentage value of 86.47% with the category "Very Feasible". And the assessment of the second validator gave a percentage of feasibility of 92.64% in the "Very Feasible" category. While the assessment of the third validator gives a percentage of feasibility of 90% in the "Very Feasible" category. The N-Gain score test results were 0.70 with a percentage of 70.03% with high criteria. The level of effectiveness of the e-module is seen from the posttest scores of students who are declared complete because the score of student learning outcomes reaches the KKM score of 32 students with a percentage of classical completeness of 100% so that it is included in the criteria very effective. So it can be concluded that the Reading to Learn-based E-Module teaching material is suitable for use because it can improve students' HOTS-Literacy skills on Chemical Bonding material.

Keywords: Development, E-Module, R2L, Chemical Bonding, Host-Literacy