ABSTRAK

Clarisa Yesilia Br. Simanjuntak, NIM 4203131024 (2024). Pengembangan E-Modul Berbasis *Discovery Learning* Dengan Bantuan *Flip PDF Corporate Edition* Pada Materi Ikatan Kimia.

Penelitian ini bertujuan untuk mengetahui kelayakan e-modul berbasis *discovery learning* dengan bantuan *Flip PDF Corporate Edition* pada materi ikatan kimia yang dikembangkan berdasarkan standar BSNP serta mengetahui respon peserta didik Kelas XI terhadap e-modul berbasis *discovery learning* dengan bantuan *Flip PDF Corporate Edition* pada materi ikatan kimia yang dikembangkan. Metode penelitian yang digunakan adalah *Research* & *Development* (R&D) dengan model 4D yang terdiri dari tahap *define, design, develop, dan disseminate*. Namun, dalam penelitian ini dibatasi hingga tahap *develop*. Instrumen yang digunakan berupa lembar validasi e-modul dan angket respon peserta didik. Hasil penelitian menunjukkan bahwa e-modul berbasis *discovery learning* dengan bantuan *Flip PDF Corporate Edition* pada materi ikatan kimia dinyatakan "sangat valid" dengan persentase rata-rata pada aspek kelayakan isi sebesar 94.45%, kelayakan penyajian sebesar 96.67%, kelayakan bahasa sebesar 94.82%, dan kelayakan kegrafikan sebesar 86.19%, sedangkan respon peserta didik terhadap e-modul berbasis *discovery learning* dengan bantuan *Flip PDF Corporate Edition* pada materi ikatan kimia yang dikembangkan yaitu dikategorikan "sangat baik" dengan persentase rata-rata 91.52%.

Kata Kunci: E-Modul, Discovery Learning, Ikatan Kimia

ABSTRACT

Clarisa Yesilia Br. Simanjuntak, NIM 4203131024 (2024). Development of E-Modules Based on Discovery Learning with the Help of Flip PDF Corporate Edition on Chemical Bonding Material.

This research aims to determine the feasibility of e-modules based on discovery learning with the help of Flip PDF Corporate Edition on chemical bonding material developed based on BSNP standards and to determine the response of Class XI students to e-modules based on discovery learning with the help of Flip PDF Corporate Edition on bonding material. developed chemistry. The research method used is Research & Development (R&D) with a 4D model consisting of define, design, develop and disseminate stages. However, this research was limited to the development stage. The instruments used are e-module validation sheets and student response questionnaires. The research results showed that the e-module based on discovery learning with the help of Flip PDF Corporate Edition on chemical bonding material was declared "very valid" with an average percentage in the aspect of content suitability of 94.45%, presentation suitability of 96.67%, language suitability of 94.82%, and graphic feasibility was 86.19%, while students' responses to the e-module based on discovery learning with the help of Flip PDF Corporate Edition on the chemical bond material developed were categorized as "very good" with an average percentage of 91.52%.

Keywords: E-Module, Discovery Learning, Chemical Bonding