

## ABSTRAK

**Rhadita Ismi Azzara, NIM 4181131019 (2022). Pengembangan E-modul Berbasis Inkuiri Terstruktur Pada Pokok Bahasan Ikatan Kimia Di SMA**

Penelitian ini bertujuan untuk mengetahui kelayakan *e-modul* berbasis inkuiri terstruktur pada pokok bahasan ikatan kimia di SMA berdasarkan validasi ahli materi dan ahli media serta respon siswa terhadap *e-modul* yang dikembangkan. Pengembangan *e-modul* dalam penelitian ini terdiri dari tahapan yaitu: tahap *define* (pendefinisian), tahap *design* (perancangan), dan tahap *develop* (pengembangan). Subjek penelitian ini adalah *e-modul* berbasis inkuiri terstruktur. Objek penelitian adalah materi ikatan kimia. Instrumen penelitian pengembangan ini menggunakan lembar validasi dan lembar angket respon siswa yang telah memenuhi standar BSNP yang memuat beberapa aspek yaitu aspek kelayakan isi, aspek kelayakan penyajian, aspek kelayakan kegrafikan, dan aspek kelayakan bahasa. Penilaian validasi dan respon siswa menggunakan penilaian skala Likert dengan rentang skor perbutir 1-5. Produk yang dikembangkan divalidasi oleh 5 validator yang terdiri dari 3 dosen kimia dan 2 guru kimia. Proses uji coba respon siswa terhadap *e-modul* yang diberikan kepada siswa SMA Swasta PAB 4 Sampali. Berdasarkan hasil penelitian diperoleh persentase rata-rata penilaian validator ahli materi sebesar 88,2%, validator ahli media sebesar 90,2 % dengan kriteria penilaian valid/layak, dan persentase penilaian respon siswa berdasarkan aspek kemenarikan, aspek materi, dan aspek bahasa diperoleh nilai sebesar 90,1 dengan kriteria sangat tinggi.

**Kata Kunci :** *E-modul*, Inkuiri Terstruktur, Ikatan Kimia



## ABSTRACT

### **Rhadita Ismi Azzara, NIM 4181131019 (2022) Development of Structured Inquiry-Based *E*-modules on the Subject matter of Chemical Bonding in High School**

This study aims to determine the feasibility of a structured inquiry-based e-module on the subject matter of chemical bonds in high school based on the validation of material experts and media experts as well as student responses to the e-module developed. The development of e-modules in this study consists of stages, namely: the define stage (defining), the design stage (design), and the develop stage (development). The subject of this study is a structured inquiry-based e-module. The object of study is chemical bond matter. This development research instrument uses validation sheets and response questionnaire sheets for students who have met BSNP standards which contain several aspects, namely aspects of content feasibility, aspects of feasibility of study, aspects of graphic feasibility, and aspects of language feasibility. Validation and response assessment of students using Likert scale assessment with a score range of 1-5. The product developed was validated by 5 validators consisting of 3 chemistry lecturers and 2 chemistry teachers. The process of testing students' responses to the e-module given to students of PAB 4 Sampali Private High School. Based on the results of the study, the average percentage of assessment of material expert validators was 88.2%, media expert validators were 90.2% with valid/feasible assessment criteria, and the percentage of student response assessments based on aspects of attractiveness, material aspects, and language aspects obtained a score of 90.1 with very high criteria.

**Keyword :** *E*-module, Structured inquiry, Chemical Bonding

