

## ABSTRAK

Doli Fadly Harahap: **Inovasi Bahan Ajar E-Modul Berorientasi *Lesson Study* Pada Pembelajaran Konsep Mol Kelas X**. Tesis. Medan: Program Studi Pendidikan Kimia, Pascasarjana Universitas Negeri Medan, 2021.

Tujuan penelitian ini untuk mengetahui buku ajar yang digunakan siswa disekolah sesuai dengan standar BSNP dan mengembangkan e-modul berorientasi Lesson Study berdasarkan standar BSNP, meningkatkan hasil belajar siswa dengan e-modul berorientasi Lesson Study yang dikembangkan, mengetahui respon siswa terhadap e-modul berorientasi Lesson Study yang dikembangkan. Jenis penelitian merupakan penelitian pengembangan model ADDIE (*Analysis, Design, Development, Implementation, and Evaluation*). Populasi penelitian ini adalah seluruh siswa/siswi SMA Cerdas Murni kelas X MIPA. Sampel penelitian adalah siswa/siswi kelas X MIPA-2 yang berjumlah 34 orang. Instrumen penelitian berupa lembar penilaian BSNP, soal tes objektif yang telah divalidasi dan angket Respon siswa siswa Hasil penelitian menunjukkan bahwa: (1) buku kimia pegangan siswa sudah memenuhi kriteria kelayakan BSNP, namun perlu tambahan pada beberapa kriteria aspek kelayakan; (2) e-modul berorientasi Lesson Study pada materi konsep mol yang telah dikembangkan telah memenuhi kriteria kelayakan BSNP; (3) terdapat peningkatan yang signifikan hasil belajar siswa menggunakan e-modul berorientasi Lesson Study dengan nilai Sig. (2.tailed) <  $\alpha$ , (0,000 < 0,05); (4) e-modul berorientasi Lesson Study mendapat respon yang baik dari siswa.

**Kata Kunci :** *E-Modul, Konsep Mol, Lesson Study*



## ABSTRACT

Doli Fadly Harahap: **Innovation of Lesson Study Oriented E-Module Teaching Materials for Class X Mole Concept Learning**. Thesis. Medan: Chemistry Education Study Program, Universitas Negeri Medan Postgraduate, 2021.

The purpose of this study was to determine the textbooks used by students in schools in accordance with BSNP standards and develop Lesson Study-oriented e-modules based on BSNP standards, improve student learning outcomes with Lesson Study-oriented e-modules that were developed, determine student responses to Lesson-oriented e-modules. Developed studies. This type of research is ADDIE model development research (Analysis, Design, Development, Implementation, and Evaluation). The population of this research is all students of SMA Cerdas Murni class X MIPA. The research sample was students of class X MIPA-2, amounting to 34 people. The research instrument was in the form of a BSNP assessment sheet, validated objective test questions and student responses questionnaire. The results showed that: (1) the student manual chemistry book had met the BSNP eligibility criteria, but needed additional aspects of eligibility criteria; (2) Lesson Study-oriented e-module on the mole concept material that has been developed has met the BSNP eligibility criteria; (3) there is a significant increase in student learning outcomes using the Lesson Study-oriented e-module with a value of Sig. (2.tailed) $<\alpha$ , (0.000 $<$ 0.05); (4) Lesson Study-oriented e-modules received good responses from students.

Keywords: E-Module, Mole Concept, Lesson Study

