

ABSTRAK

Alda Sari : Pengaruh Model *Learning Start With A Question* (LSQ) Berbasis Konstektual Terhadap Kemampuan Berpikir Kritis dan *Self Efficacy* Pada Materi Sistem Periodik Unsur di SMA Negeri 2 Dewantara. **Program Studi Pendidikan Kimia FKIP Universitas Malikussaleh, 2025.**

Penelitian ini bertujuan untuk mengetahui pengaruh model LSQ berbasis konstektual terhadap kemampuan berpikir kritis dan *self efficacy* siswa. Penelitian ini dilaksanakan di SMA Negeri 2 Dewantara materi sistem periodik unsur pada semester ganjil tahun 2025/2026.

Penelitian ini menggunakan pendekatan kuantitatif. Jenis penelitian yang digunakan *pre eksperimental design* dengan desain *intact-group comparison*. Populasi dalam penelitian ini adalah seluruh siswa kelas X SMA Negeri 2 Dewantara dengan jumlah 47 siswa yang menjadi sampel adalah dua kelas yaitu kelas X1 sebagai kelas eksperimen berjumlah 25 siswa dan kelas X2 sebagai kelas kontrol berjumlah 22 siswa. Instrumen pengumpulan data dalam penelitian ini adalah soal uraian (*essay*) dan angket *self efficacy* yang telah divalidasi, diberikan sesudah adanya perlakuan pembelajaran terhadap dua kelas. Teknik analisis data yaitu melakukan uji normalitas menggunakan uji *Shapiro – Wilk*, uji homogenitas menggunakan uji *levene test* dan pengujian hipotesis menggunakan uji *Independent Sample T test*.

Hasil pengujian hipotesis menggunakan uji *Independent Sample T Test* diperoleh sig.(2-tailed) $0.000 < 0,05$ Maka H_{01} ditolak dan H_{a1} diterima. Menunjukkan bahwa terdapat pengaruh model pembelajaran LSQ berbasis konstektual terhadap kemampuan berpikir kritis siswa. Sedangkan data *self efficacy* menggunakan uji *Independent Sample T Test* diperoleh sig. (2-tailed) $0.001 < 0,05$ Maka H_{02} ditolak dan H_{a2} diterima. Hasil penelitian ini menunjukkan bahwa terdapat pengaruh model LSQ berbasis konstektual terhadap kemampuan berpikir kritis dan *self efficacy* siswa. Diharapkan kepada peneliti selanjutnya untuk menerapkan pembelajaran menggunakan model LSQ berbasis konstektual pada materi lainnya.

Kata Kunci : LSQ, Pembelajaran Konstektual, Kemampuan Berpikir Kritis, *Self Efficacy* dan Materi Sistem Periodik Unsur

ABSTRACT

Alda Sari : The Effect of the Contextual-Based Learning Start With A Question (LSQ) Model on Critical Thinking Skills and Self Efficacy in the Periodic Table of Elements Material at SMA Negeri 2 Dewantara. **Chemistry Education Program, FKIP Malikussaleh University, 2025.**

This study aims to determine the effect of the LSQ Model on improving students critical thinking skill and self efficacy. The study was conducted at SMA Negeri 2 Dewantara on the periodic table of elements material during the odd semester of the 2025/2026 academic year.

This study employs a quantitative approach. The research design used is a pre-experimental design with an intact-group comparison. The population in this study were all X grade students of SMA Negeri 2 Dewantara, totaling 47 students. The sample comprises two classes, class X-1 as the experimental group with 25 students and class X-2 as the control group with 22 students. The data collection instruments in this study were essay question and a validated self-efficacy questionnaire, administered after the instructional intervention was implemented in both classes. Data analysis techniques included a normality test using the Shapiro-Wilk test, a homogeneity test using the Levene test, and hypothesis testing using the Independent Sample T Test.

The results of hypothesis testing using the Independent Sample T Test yielded a sig. (2-tailed) $0.000 < 0,05$. Therefore, H_{01} was rejected and H_{a1} was accepted. This indicates that the Learning Start With A Question contextual-based learning model has an effect on improving students critical thinking skills. Meanwhile, the self-efficacy data using the Independent Sample T Test yielded a sig (2-tailed) of $0.001 < 0,05$. Therefore, H_{02} was rejected and H_{a2} was accepted. The result of this study indicate that there is an effect of the LSQ model based on contextual learning on improving critical thinking skills and self efficacy. It is hoped that future researchers will apply LSQ model based on contextual learning to other subjects.

Keywords : LSQ, Contextual, Critical Thinking Skills, Self-Efficacy and Periodic Table of Elements Material.