

PENGEMBANGAN, VALIDASI, DAN APLIKASI SKALA SIKAP SISWA TERHADAP PELAJARAN KIMIA BERORIENTASI KEJURUAN

ABSTRAK

Penelitian ini bertujuan mengembangkan instrumen skala sikap terhadap pelajaran kimia yang berorientasi kejuruan, menguji validitasnya serta mengaplikasikannya untuk memperoleh profil sikap siswa terhadap pelajaran kimia. Skala sikap ini hasil modifikasi dari *Attitude Toward Chemistry Lesson Scale* (ATCLS) oleh Derek Cheung, berbentuk skala Likert tujuh poin dengan 25 butir pernyataan pada empat dimensi sikap.

Skala sikap ini dikembangkan melalui pengujian validitas dengan pertimbangan para ahli dan validitas konstruk dengan analisis faktor eksploratori. Subjek penelitian adalah siswa SMK kelas X, XI, dan XII dengan paket keahlian Farmasi dan Kimia Analisis. Pengujian reliabilitas skala sikap dilakukan terhadap 155 siswa menghasilkan nilai Alpha Cronbach sebesar 0,896 dengan kategori Baik. Aplikasi skala sikap ini menghasilkan profil sikap 300 siswa terhadap pelajaran kimia dengan rata-rata sikap pada dimensi sikap: Kesenangan terhadap Kimia kategori Rendah (4,54), Keyakinan Belajar Kimia kategori Tinggi (5,66), Kesenangan Bereksperimen Kimia kategori Menengah (5,19), dan Kecemasan Belajar Kimia kategori Menengah (5,19). Pada penelitian ini, faktor-faktor yang mempengaruhi sikap siswa terhadap pelajaran kimia adalah perbedaan paket keahlian dan kelas.

Kata kunci: Sikap terhadap Pelajaran Kimia, Skala Sikap, Validitas, Reliabilitas.

DEVELOPMENT, VALIDATION, AND APPLICATION OF ATTITUDE TOWARD CHEMISTRY LESSONS SCALE VOCATIONAL-ORIENTED

ABSTRACT

This study aims to develop an attitude scale instrument towards vocational-oriented chemistry lessons, examine its validity and apply it to obtain students' attitude profile towards chemistry lessons. This attitude scale is modified from the Attitude Toward Chemistry Lesson Scale (ATCLS) by Derek Cheung, a seven point Likert scale with 25 item statements on four dimensions of attitudes. This attitude scale was developed through both content validity test by using expert judgement and construct validity test by using exploratory factor analysis. Subjects in this study are students of SMK for class X, XI, and XII who majoring in Pharmaceutical and Chemistry Analysis. Attitude scale reliability test was administered to 155 students resulted in Alpha Cronbach value of 0.896 with Good categories. Application of this attitude scale is performed to determine profile of students' attitude towards chemistry lessons of 300 students resulted in average attitude for each attitudes dimension: Liking for Chemistry Theory Lessons with Low categories (4,54), Confidence in Chemistry Learning with High categories (5,66), Liking for Chemistry Laboratory Works with Moderate categories (5,19), and Anxiety of Chemistry Learning with Moderate categories (5,19). In this study, the factors that influence students' attitudes toward the chemistry lessons are differences in competency skills and grade levels.

Keywords: Attitude towards Chemistry Lesson, Attitude Scale, Validity, Reliability