

Analysis of Student Self-Efficacy Profile in Chemistry Education Study Program at Universitas Riau

Research, examination, and intervention on self-efficacy in students is expected to benefit from the development of a measure of self-efficacy. Self-efficacy is defined as a person's confidence in themselves in facing or completing a task, achieving goals, overcoming obstacles, and achieving a goal. The study's subjects were 78 participants, 70 of whom were female and 8 of whom were male, all of whom were not married, and they were between the ages of 18 and 19. The self-efficacy scale of students has good validity and reliability. Based on the results of psychometric analysis, internal consistency tests, and construct validity and reliability of the student self-efficacy scale, it has good validity and reliability, with $\alpha = 0.879$ (87.9%). The self-efficacy scale presented in this study can be used to measure self-efficacy in psychological research and intervention, especially developmental psychology and social psychology. Of the 40 items created, only 30 were accepted after validity and reliability tests, and 10 were dropped. It is based on good psychometric standards.

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