

**THE PROFILE OF STUDENTS' CRITICAL THINKING THROUGH  
SCIENCE VIRTUAL TEST ON EIGHTH GRADE SECONDARY  
SCHOOL**

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**ABSTRACT**

The purpose of this study is to describe the profile of students' critical thinking by using Science Virtual Test in three Junior high schools in Tasikmalaya city and to find out whether students' critical thinking has a correlation between science topic, science score achievement and students' logical thinking. The subject theme of this research is living things and environmental sustainability. The respondent consists of 168 students from eighth grade at three public schools in Tasikmalaya city. Science Virtual Test, Test of Logical Thinking, Science score from science teacher and Students' impression questionnaire were used in this research study. Science virtual test instrument consist of 26 questions with 5 different topics. IBM SPSS 23.00 program was used for analysis of the data. This research method was using descriptive and correlational method. By the findings; overall students' critical thinking attainment reaches 63.1 percent which is categorized on moderate level means the students' are between in the stage of beginning thinkers and practicing thinkers. The students' attainment for each topic includes as moderate level. There is no correlation between students' critical thinking and science score achievement. There is positive and weak (0.187) correlation between students' critical thinking and students' logical thinking attainment. Students' impression from the result of questionnaire shows that is positive respond(3,55) or good impression after using Science Virtual Test.

Keywords: Students' Critical Thinking Skill, Science Virtual Test

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## **ABSTRACT**

Penelitian ini memiliki tujuan untuk mendeskripsikan profil kemampuan berpikir kritis dengan menggunakan Science Virtual Test di tiga SMP di kota Tasikmalaya dan untuk mengetahui apakah kemampuan berpikir kritis siswa memiliki korelasi antara topik sains, pencapaian nilai sains dan kemampuan berpikir logis siswa. Subjek temadalam penelitian ini adalah mahasiswa khususnya yang berlatih dalam pelajaran ilmu pengetahuan alam. Dari 168 siswa kelas VIII di tiga sekolah negeri di kota Tasikmalaya. Science Virtual Test (SVT), Test of Logical Thinking (TOLT), Nilai Ilmu Pengetahuan Alam dari guru sains dianalisis mengenai Science Virtual Test digunakan dalam penelitian ini. Science Virtual Test terdiridari 26 pertanyaan dengan 5 topik berbeda. Program IBM SPSS 23.00 digunakan untuk analisis data. Metode penelitian ini menggunakan metodologi deskriptif dan korelasi. Dengan menggunakan metode korelasi ini, prestasi berpikir kritis siswa secara keseluruhan mencapai 63.1 persen yang dikategorikan pada tingkat sedang yang berarti siswa berada di antara rating kategori Pemikir Pemula (Beginning Thinkers) dan Pemikir Praktis (Practicing Thinkers). Prestasi siswa untuk setiap topik termasuk tingkat moderat atau sedang. Tidak terdapat korelasi antara prestasi berpikir kritis siswa dan prestasi sains. Terdapat korelasi positif dan lemah ( $0.187$ ) antara pemikiran kritis siswa dan pencapaian pemikiran logis siswa. Keseksionalan hasil dilakukan dengan menggunakan skor rata-rata respon positif (3.55) atau kesan baik setelah menggunakan Science Virtual Test.

Kata kunci: Kemampuan Berpikir Kritis Siswa, Science Virtual Test

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