

## ABSTRAK

**Anggraheni, Aghata Christi. 2019. Analisis Kemampuan *Critical Thinking and Problem Solving* Mahasiswa Universitas Sanata Dharma pada Topik Matematika SMA dan SMK Tahun Akademik 2018/2019. Skripsi. Yogyakarta: Program Studi Pendidikan Matematika, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma.**

Penelitian ini adalah penelitian yang menganalisis kemampuan *critical thinking and problem solving* mahasiswa dalam menyelesaikan permasalahan SPLTV, peluang, PrLDV, trigonometri, eksponen, dan geometri transformasi. Latar belakang dari penelitian ini adalah pendidikan abad 21 yang mengharapkan mahasiswa memiliki kemampuan *critical thinking and problem solving*. Penelitian ini bertujuan untuk mengetahui dan mendeskripsikan kemampuan *critical thinking and problem solving* mahasiswa Pendidikan Matematika Universitas Sanata Dharma dalam menyelesaikan permasalahan matematika SMA dan SMK.

Jenis penelitian ini adalah penelitian kualitatif. Subjek penelitian ini adalah mahasiswa Pendidikan Matematika Universitas Sanata Dharma yang mengambil mata kuliah desain pembelajaran matematika SMA dan SMK di kelas B. Pengambilan data dilaksanakan bulan April 2019 sampai Mei 2019. Teknik pengumpulan data dalam penelitian ini dilakukan dengan memberi tes tertulis dan wawancara terkait kemampuan *critical thinking and problem solving* kepada subjek penelitian.

Hasil penelitian menunjukkan bahwa sebanyak 12,12% mahasiswa berada dalam kategori baik, sebanyak 9,09% mahasiswa berada dalam kategori cukup baik, sebanyak 36,36% mahasiswa berada dalam kategori kurang baik, dan mahasiswa sebanyak 42,42% mahasiswa berada dalam kategori sangat kurang baik.

Kata kunci: *mahasiswa, critical thinking, problem solving.*

## ABSTRACT

***Anggraheni, Aghata Christi. 2019. Analysis of Critical Thinking and Problem Solving Skills of Sanata Dharma University Student on the Topic Mathematics Learning for Regular High School and Vocational High School Academic Year 2018/2019. Thesis. Yogyakarta : Mathematics Education Program , Faculty of Teacher Training and Education, Sanata Dharma University.***

*This research is a research that analyze of critical thinking and problem solving of student to solve the problem about SPLTV, probability, PrLDV, trigonometry, exponent, and transformation geometry. The background of this research is education in 21<sup>st</sup> century that expect students to have critical thinking and problem solving skills. The purpose of this research were to know and describe of critical thinking and problem solving skills of Mathematic Education Student at Sanata Dharma University to solve mathematic problem for Regular High School and Vocational High School .*

*This type of the research is qualitative. The research subjects were Sanata Dharma University students that take mathematics learning design for regular high school and vocational high school class B. This research was conducted on April 2019 until May 2019. The data of this research were gathered through by giving written tests and interviews about critical thinking and problem solving skills to the subject.*

*The results of the research show that 12.12% student are in good category, 9.09% students are in good enough category, 36.36% students who were not good category, and 42.42% students who were in the very bad category.*

***Keywords : student, critical thinking, problem solving.***