

ABSTRACT

Sera Mary Perdana. 2016. Pengaruh Pendekatan *Open- Ended* terhadap Peningkatan Kemampuan Berpikir Kritis Matematis Siswa SMA.

Approach learning that used in this research is the approach Open- Ended. Approach Open- Ended formulated to the possibility of way and right answer bias varied (divergig, the problem open. This study attempts to: 1. To see if the capacity to think critical group students who study adopting Open- Ended better than in the students who studying use learning with the approach Open- Ended in learning mathematics. A method of the research is experimental methods. The population of the research is high school students XI Kartika XIX- 1 Bandung.chosen two birth random to are only sampled, class experimentation and class control. Instrument used in this research consisting of test the ability of think critically that contains a math problem solving s problem that measures the think critically students, and scale of the attitude owned atudents. An analysis of data processing can used the program spss statistic 18.0 which includes testing: 1) normality test; 2) of homogeneity test; 3) uji- t. based on analysis of the data, it was concluded that: 1) the capacity to think critically students who study adopting both Open- Ended is better than students who use of learning ordinary; 2) students act positively on the use of learning with the approach Open- Ended im learning mathematich.

Keyword: *Creative thinking mathematically, and Open- Ended.*