

## ABSTRACT

The achievement of the class XI students of Natural Science program at SMA Negeri 1 Dayeuhkolot Bandung in mathematics is categorized as low where the students' average score in mathematics in the odd semester final test in the academic year of 2016/2017 was below the determined Minimum Mastery Criteria (*Kriteria Ketuntasan Minimal*, KKM). In this case, teachers play an important role in the improvement of students' learning progress. Qualified or competent teachers are certainly able to master different issues pertaining to education and be responsible for all problems in the teaching learning process. Therefore, some research in teachers' pedagogical competence is essential to do in order to reflect the teaching learning process in the future.

In this study, there was some measurement towards teachers' pedagogical competence pertaining to their mastery on students' characteristics, learning theories and teaching learning principles, curriculum development, teaching learning activities, as well as to their understanding and ability to develop students' potentials and assess as well as evaluate the achievements of the class XI students of Natural Science program in mathematics.

The research method used in this study was quantitative method. The data were collected through questionnaires distributed to have the students' perception on the teachers' pedagogical competence (X), i.e. to 169 students out of 272 class XI students of Natural Science program taken as the population. Besides the questionnaire, the primary data used to measure the students' achievement in mathematics were also obtained from the final score at the odd semester final test of the academic year of 2015/2016. Besides that, the primary data were collected through some interviews with two important sources at SMA Negeri 1 Dayeuhkolot Bandung. The secondary data, however, were collected through documentation. On the other hand, the sampling method used by the writer was probability sampling with multistage cluster random sampling while the data were analyzed using simple linear regression analysis.

Based on the data, it is known that the score of the respondents' opinion on the teachers' pedagogical competence variable is high which means that there is a good perception on that variable. However, the variable of students' achievement shows a high score. The simple linear regression analysis shows that the significant score is below 0.05, i.e. 0.000 with positive regression coefficient which means that the variable of teachers' pedagogical competence variable positively influences students' achievement.

**Keywords:** *Pedagogical Competence; Students' Achievement*