

## ABSTRACT

Rosidah, Cholifatur. 2012. Effect of Classical Music and Pop Music Performance Against Math Test Participants (Experimental Research for Tenth Graders of MAN Mojokerto – Mojokerto). S1 Thesis. Maulana Malik Ibrahim State Islamic University Malang.

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Music is a part of human life and their soul development. Music can help brain operation to be balance and it can expand the nerve of the body. Music can also upgrade the brain work, give comfortable sensation, inspiration and increase the memorization process. Therefore, studying or doing some tasks will be more effective if it is complemented with appropriate music, especially for some subjects that need high concentration such as mathematics.

The research was aimed at finding whether classic music and pop music would influence the achievement of the mathematics test takers. The first hypothesis in this research was the there would be different scores between the test takers who did the test complemented with the music and the test takers who did not. The second hypothesis was the test takers would get better score when they used classic music than pop music.

This research was quantitative research and the method applied was Quasi experimental which was an experimental design that was done without randomization, though there was control group in it. The data collection technique was conducted by utilizing achievement test which was in form of some mathematics problems that had been studied before and the weights of the problems were the same as the pre-test and the post-test. The research was conducted at MAN Mojokerto – Mojokerto and the population was the tenth graders while the samples were 286 students. The samples were chosen by using cluster random sampling and there were 87 students taken in this technique. The data analysis method was conducted by using ANAKOVA, the unification of Anava and Anareg by utilizing SPSS program.

Based on the data analysis, there was found that by using classic music and pop music intensively could influence the achievement of the tenth grader students of MAN Mojokerto in doing mathematics test. It was shown by the T-test which was 1,721 and the Sig score was  $< \alpha (0,05)$ . Furthermore, the use of pop music could help the students in getting higher achievement for mathematics test. It was illustrated by the rate of pop music which was higher, 46,22%, than the classic music which was 25,39%. Thus, it could be concluded that implementing pop music could upgrade the students' achievement in mathematics test at MAN Mojokerto better than the classic music and without any music complemented.