ABSTRACT


The purpose of the research was to determine effect of Discovery Learning on student’s logical thinking skills of grade X MIA SMA Muhammadiyah 1 Surakarta academic year 2013/2014.

The study was a quasi experimental research with a Posttest-only Nonequivalent Control Group Design. The population was all students of class X MIA SMA Muhammadiyah 1 Surakarta academic year 2013/2014. The sampling technique was cluster sampling. Data collection techniques using test and non-test methods. Hypothesis testing using independent sample t-test.

The result of hypothesis testing has a significance of 0.048. The average value of logical thinking test on control class is 4.41 while the experimental class is 5.19.

The conclusion was Discovery Learning significant effect on student’s logical thinking skills of grade X MIA SMA Muhammadiyah 1 Surakarta academic year 2013/2014.

Keywords: Discovery Learning, logical thinking skills, conventional learning