

ABSTRACT

Nindia Fitri Fauziah (2018). **Penerapan Model *E-Learning* dalam Pembelajaran Matematika untuk Meningkatkan Kemampuan Komunikasi Matematis dan *Self-Regulated Learning* Siswa SMA.**

The aim of this study is to find out the increase of the ability of mathematical communication skills and self-regulated learning between students who obtained the learning model e-learning and students who get regular learning. The method in this learning is quasi experiment. The research design used was the pretest-posttest group design. The sample in this study were class students X-MIPA-1 as an experimental class and X-MIPA-2 class students as the the control class which is randomly selected population is all class students X the result showed that: i) Improvement of students mathematical communication skills abilities who get the learning model e-learning was higher than students who received ordinary learning; ii) Achievement of students mathematical communication skills abilities who get the learning model e-learning and ordinary learning has significant differences; iii) Improvement of students self-regulated learning abilities who get the learning model e-learning was higher than students who received ordinary learning.

Keywords: E-Learning, mathematical communication skills, self-regulated learning.