

## ABSTRACT

**Ayu Nurlela. *Interactive Multimedia Use Influence In Mathematical Learning On Senior High Students Mathematical Reasoning Ability Increase.***

*Mathematical is one of the basic subjects taught at all educational levels. Students really necessary mathematical reasoning ability to understand mathematics. But actually they are weak at mathematical reasoning ability. Teachers in conveying material feels monotonous, so the students can not explore their ideas freely. One of the learning alternative which can help to increase mathematical reasoning ability is to use Interactive Multimedia. The aims of this reseach are : 1) To know that the students using Interactive Multimedia have better ability than those learning mathematics conventionally; 2) To understand the students attitude to Interactive Multimedia; 3) To detect a correlation between mathematical reasoning ability and the students attitude. This research uses expermental method and pretest-posttest control group design. This research population is grade X of SMA Sumatra 40 Bandung, 2015-2016. But there are only two randomly chosen classes becoming the research sample. The used instrument is mathematical reasoning ability explanation type test and attitude acale using Likert Scale method. Based on the result of data analysis in this research: 1) It is obtained that students using Interactive Multimedia have better mathematical reasoning ability than those using conventional method; 2) That students attitude become positive about mathematical learning which use Interactive Multimedia; 3) That there is a correlation between mathematical reasoning ability and the student attitude.*

**Keyword:** *Mathematical Reasoning, Interactive Multimedia*