

## **ABSTRACT**

# **THE DEVELOPMENT OF TEACHING MATERIAL FOR MATH MODULE GRADE XI SCIENCE PROGRAM OF SENIOR HIGH SCHOOLS IN BANDAR LAMPUNG**

**By**

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The purposes of this study are (1) to describe the current conditions of learning mathematics and analyze the potential for the development of mathematics module for Statistics and Probability (2) to develop instructional materials in the form of mathematical module for Statistics and Probability in grade XI Science, (3) to test the effectiveness of the use of the module for Statistics and Probability, (4) to test the efficiency of the use of the module for Statistics and Probability, (5) to test the attractiveness of the module for Statistics and Probability as teaching materials for students.

This research used the approach of Borg and Gall research and development. It was conducted in SMAN 13, SMAN 15, and SMA Persada Bandar Lampung. The data collecting techniques were questionnaires and test instruments. The data were analyzed quantitatively and qualitatively.

The research conclusions are (1) senior high schools in Bandar Lampung are potential for the development of the module Statistics and Probability (2) the development of teaching materials for math module for Statistics and Probability can be applied on the subject of the research; (3) module is effective for instructional materials in teaching because more than 60% of students pass the study with proportion test; (4) module is efficient to use as teaching materials in learning because it takes less time, with efficiency value of 1.57; (5) module is attractive for students as teaching material for Statistics and Probability as it can be seen from the test results of the module attractiveness with average percentage of 88%.

**Keywords: Teaching Materials, Module, Statistics and Probability**