

**MATH MODULE DEVELOPMENT BASED ON CONSTRUCTIVISM FOR
TWO DIMENSIONAL FIGURE OF 4TH ELEMENTARY SCHOOL GRADER
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ABSTRACT

The purpose of this research and development is to produce a new learning material such as math module based constructivism for two dimensional figure. This research was used Research and Development method from Brog and Gall model. There were nine steps in this development which is consisting of research and data collection, planning, develop preliminary form of product, preliminary field testing, main product revision, main field testing, operational product revision, operational field testing, and final product revision. This phase will be started with validating the learning materials and modules to learning media expert, material expert, and language expert. After validation, the materials and modules will be tested directly to the Elementary School Students. The validation results shows that the materials and modules are suitable for 4th Grader Students. The material and modules gained 96% expediency from learning media expert, 96% from material expert, 96% from language expert, and 99% teachers assessment. Afterwards, the result of one-to-one evaluation to the student gained 100% expediency, and then small group evaluation shows 97% and field test evaluation shows 98%. The result from all expert review and testing students shows 97%, which means “very good criteria”. Implication from this development research is the math module based on constructivism can used in the learning activity inside or outside the classroom.

Keywords: Research and Development, Math Module, Constructivism