

ABSTRACT

Development of HOTS-Based Solid Geometry Learning Modules at SMP NU

Sumenep. Raniati.

Keywords: Solid Geometry, HOTS (Higher Oder Thinking Skill), Learning Modules, ADDIE Development

This study aims to produce valid, practical and effective modul based on HOTS (Higher Order Thinking Skill) on Solid Geometry sub-material Cylinder and Cone for grade VII students of SMP NU Sumenep.

This type of research is research and development (R&D) with the ADDIE research and development model (Analysis, Design, Develop, Implementation, and Evaluation). Data collection techniques in this study were questionnaires and tests.

The results of the research conducted state that use module is feasible to use. This can be seen from the aspect of validity, namely through the result of the validator's assessment by using a validation sheet questionnaire for the developed module and obtaining result of 87.5% with the criteria of "very good" on the practically aspect, it can be seen from the student assessmen questionnaire after using the module, namely obtaining a result of 84,5% whith the "good" criterion. Meanwhile, in the aspect offectiveness seen from the results of students mathematical problem solving abilities using test questions, namely obtaining an average of 76% with the "good" criterion. It can be concluded from the three indicators above that the developed learning module can be used in in the learning activities