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Improvement of student learning outcomes through the development of a flat -based building material teaching module based on RME approach in class VII MTs Integrated Langsa City

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Abstract

This study aims to describe: 1) The validity, practicality and effectiveness of teaching materials on flat shapes based on the developed Realistic Mathematics Education (RME) approach. 2) Improving student learning outcomes on flat material. This research is a development research using the ADDIE model which is carried out in class VII Integrated MTS Langsa City. The research results obtained are: 1) The teaching materials developed have been categorized as Valid, Practical and Effective. 2) Based on the normalized gain index, it is found that there is an increase in student learning outcomes after using the developed teaching materials. Based on classical student completeness, the percentage of student completeness in the tests carried out was that students completed 29.3% of students completed the pre-test and 86% of students completed the post-test. Thus, the development of teaching materials for flat shape materials based on the Realistic Mathematical Education (RME) approach developed can improve student learning outcomes for class VII MTS Integrated Langsa City

Keywords: *Teaching Materials Development, RME Approach, Learning Outcomes, ADDIE Model.*

INTRODUCTION

The teaching module is one important aspect in the world of education, because the teaching module is one of the means to support the learning process. The quality of module learning also determined the quality factor of process learning. It means the students can understand easily or not looked from the quality of module learning.

Based on the results of the analysis of the textbooks circulating and used by students in the Langsa City Integrated MTs School, the weaknesses in the textbook are obtained, namely the textbooks do not support participants to be able to learn independently so that students' knowledge is only obtained from the reading text listed in the textbook, then less memorable learning because the textbook is still general in nature can not make the learning atmosphere of students appear active, creative, do not produce effective learning in the learning process, as well as the material in the textbook is too difficult and too high to understand students so that students become bored. So such textbooks do not train students to find out or want to find something more important and meaningful in the learning that takes place.

Problems that often occur in developing a teaching module, namely the lack of student understanding in understanding flat building material, students also still tend to be lazy when finding out solutions to the questions given, lack of concentration so that students become faster bored in learning. Based on these problems, teachers are required to pay more attention to students' ability to remember learning. In addition, the teacher also needs to prepare an interesting teaching module so that it can invite students to be more active in participation in learning activities, especially in flat building materials.

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