ABSTRACT

Firda Pratiwi, NIM 4183111068 (2022). Development of a Microlearning-based Mathematics Digital Module on Statistics Material in 7th Graders.

This study aims to determine the validity, practicality and effectiveness of the Microlearning-Based Digital Mathematics Module on the topic of Statistics in seventh-graders. This research is motivated by the desire of students to learn to use interesting media and student behavior when learning mathematics in the classroom. This study uses the R&D (Research and Development) method which consists of four stages. This research was conducted at the Islamic Junior High School Al-Ulum Terpadu Medan in class VII-C. In terms of validity, Microlearning-Based Mathematics Digital Module on Statistics topic received 89.86% from media experts and 88.06% from material experts so that Microlearning-Based Mathematics Digital Module on Statistics topic received the "Very Valid" category. In terms of practicality, the Microlearning-Based Mathematics Digital Module on the topic of Statistics received 92% of teacher responses, 95.25% from small trials and 86.67% from large trials. So that the Microlearning-Based Digital Mathematics Module on the topic of Statistics gets the "Very Practical" category. In terms of effectivity, the Microlearning-Based Digital Mathematics Module on the topic of Statistics got 88% classical completeness and 93.60% student responses in the "Very Effective" category. Therefore, the Microlearning-Based Digital Mathematics Module on the topic of Statistics in Class VII SMP can be said to be valid, practical and effective to be used as teaching materials for the seventh-graders at the SMP/MTS level.

Keywords : Development, Modul Digital, Microlearning, Statistics, 4D