

ABSTRACT

Karina Tamrin, 2024. "Development of Web blog-based E-Learning on Linear Equation Material to Improve Student Learning Outcomes at SMP Negeri 7 Palopo". Thesis of the Mathematics Education Study Program, Faculty of Tarbiyah and Teacher Training, State Islamic Institute (IAIN) Palopo. Supervised by Lisa Aditya Dwiwansyah Musa and Aishiyah Saputri Laswi.

This thesis discusses the development of web blog-based e-learning mathematics learning media to improve student learning outcomes at SMP Negeri 7 Palopo. This research aims to determine the validity of the media, the practicality of the media, and to determine the effectiveness of the learning media being developed.

This type of research is Research and Development (R&D), with the ADDIE development model which consists of five stages, namely analysis, design, development, implementation, evaluation. The subjects of this research were 17 class VII students at SMP Negeri 7 Palopo. The instruments used are media and material expert validation sheets, practicality questionnaires and student learning outcomes tests. The data analysis technique used is qualitative descriptive data analysis and quantitative descriptive data analysis.

The results of the development of web blog-based e-learning learning media are in the form of learning media blogs, especially on linear equations material. Media expert validation results obtained an average of 79.2% in the "valid" category, while material expert validation recapitulation test results obtained an average of 93.3% in the "very valid" category and media expert and material expert recapitulation results obtained an average of an average of 86.25% in the "very valid" category. The results of the practicality test by students obtained an average of 83.1% in the "very practical" category. The results of the effectiveness test of web blog-based e-learning learning media in improving student learning outcomes can be seen from the N-gain test of 61.42% with the "medium" category. Based on these results, it can be concluded that web blog-based e-learning learning media can improve results. learning from students at SMP Negeri 7 Palopo.

Keywords: E-learning, Web Blog, Linear Equations, Learning Results