

# **Development of E-module for Thematic Numeracy for Elementary School Students: Implementation of the Minimum Competency Assessment Framework**

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## **ABSTRACT**

Numeracy ability is a very important ability at this time, because it is one of the indicators in the global action plan agreed upon by world leaders. The Indonesian government has also responded to this by creating a Minimum Competency Assessment (AKM) which focuses on aspects of literacy and numeracy assessment which must be implemented at all levels of education. From the AKM results and also international tests related to numeracy, namely the Program for International Student Assessment, the abilities of Indonesian students still really need to be improved because they are still below the international average score. The government has created guidelines and handbooks as well as modules to help teachers teach numeracy to students. However, the modules are still very limited and are still like textbooks, so more interactive modules or learning resources are needed so that they are expected to attract students' interest in learning the material. On the other hand, the ability of students who are very technologically literate also demands teaching materials that are not just digitized textbooks. They will be more challenged if the material is presented interactively and packaged in the form of activities so that students actively learn. Therefore, this research aims to develop a thematic numeracy e-module for elementary school students that is interactive and activity-based.

This research is development research with the development model used is the ADDIE model which consists of stages: Analysis, Design, Development, Implementation and Evaluation. This research is planned to be carried out over 2 years. 2023 is the first year of research activities with a focus on analyzing, designing and developing e-modules as well as developing research instruments with outputs: e-module prototype draft, IPR, scientific articles submitted to the international journal *Journal of Mathematics Education* and a book on the concept of thematic numeracy in elementary school. We have fulfilled all of these outcomes so that in the second year we will focus on wide-scale testing and product dissemination to a wider audience by means of products that have been tested and will be published via Playstore.

Kata Kunci: *e-modul, Numerasi, Kerangka Asesmen Kompetensi Minimum*