Digital Module to Strengthen Elementary School Teachers' Numeracy Competencies and Achieve Sustainable Development Goals

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ABSTRACT

Numeracy skills are one of the main benchmarks for achieving the SDGs for Education Quality goals. However, the results of the Program for International Student Assessment (PISA) and National Assessment (AN) show that the numeracy abilities of Indonesian students are still low. This shows that Indonesia has not succeeded in achieving the SDG goal of Quality Education. Teachers are a very important factor in learning, but various research results show that the numeracy competency of teachers and prospective teachers is still low. Therefore, strengthening teacher competence is a crucial step to improve students' numeracy abilities. One way to strengthen teacher competence is to provide numeracy learning resources that can be studied independently by teachers. Providing a numeracy module can improve teachers' understanding of numeracy and also numeracy learning. The rapid development of information and communication technology allows modules to be created on digital platforms. Apart from that, digital platforms can also make access easier and increase interactivity. Therefore, this research aims to develop digital modules to improve teacher numeracy competency and SDG achievement. To achieve research objectives, development research or Research and Development (R&D) is used. The development procedure used is the ADDIE development model which consists of stages: Analysis, Design, Development, Implementation and Evaluation. The output of this research is a numeracy module on a digital platform that can be used in online and offline modes. This digital module has characteristics, namely: (1) it is not only oriented towards conceptual knowledge, but rather towards teacher skills related to planning, implementation and evaluation of numeracy learning, (2) it is digital so it is more interactive, practical and easily accessible with or without use. Internet connection.

Kata Kunci: *Numeracy, teachers, digital module, SDGs*