

ABSTRAK

PENGEMBANGAN MODUL AJAR MATEMATIKA UNIT PENGUKURAN BERBASIS KETERAMPILAN KOLABORASI UNTUK PESERTA DIDIK KELAS IV SDN TAJEM

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Kurikulum merdeka merupakan kurikulum dengan pembelajaran yang esensial dan optimal agar peserta didik memiliki waktu untuk mendalami konsep dan menguatkan kompetensi. Salah satu perubahan dalam kurikulum merdeka ialah RPP dikenal modul ajar. Hasil wawancara menemukan adanya kesulitan guru mengembangkan modul ajar. Tujuan dari penelitian ini adalah untuk mengembangkan, mengetahui kualitas, dan mengetahui dampak penggunaan modul ajar matematika unit pengukuran berbasis keterampilan kolaborasi.

Jenis penelitian yang digunakan adalah *research and development* (R&D) model ADDIE. Subjek yang terlibat dalam penelitian ini berjumlah 19 peserta didik kelas IV SD Negeri Tajem, para ahli, dan guru. Objek dalam penelitian ini adalah modul ajar matematika unit pengukuran berbasis keterampilan kolaborasi. Teknik pengumpulan data dalam penelitian ini adalah teknik tes dan teknik non tes. Instrumen yang digunakan dalam penelitian ini adalah pedoman wawancara, instrumen validasi produk, dan tes. Teknik analisis data dalam penelitian ini, yaitu teknik analisis data kuantitatif dan teknik analisis data kualitatif.

Proses penelitian ini melalui lima langkah penelitian, yakni *Analysis, Design, Development, Implementation, dan Evaluation*. Modul ajar divalidasi oleh empat validator dan memperoleh skor 3,5 (baik). Penggunaan modul ajar berdampak pada peningkatan hasil belajar peserta didik dilihat dari hasil evaluasi akhir berupa asesmen *pretest* dan *posttest* memperoleh peningkatan sebesar 36 poin (36%).

Kata kunci: modul ajar matematika, pengukuran, keterampilan kolaborasi

ABSTRACT

**DEVELOPMENT OF MATHEMATICS TEACHING MODULE OF
MEASUREMENT UNIT BASED ON COLLABORATION SKILLS FOR
GRADE IV STUDENTS OF TAJEM PUBLIC PRIMARY SCHOOL**

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The independent curriculum is a curriculum with essential and optimal learning so that students have time to explore concepts and strengthen competencies. One of the changes in the independent curriculum is that lesson plans are known as teaching modules. The results of the interview found that teachers had difficulty developing teaching modules. The purpose of this study was to develop, determine the quality, and determine the impact of using a teaching module for mathematics measurement units based on collaboration skills.

The type of research used is research and development (R&D) ADDIE model. The subjects involved in this research amounted to 19 fourth grade students of SD Negeri Tajem, experts, and teachers. The object of this research is a module for teaching math measurement units based on collaboration skills. Data collection techniques in this study were test techniques and non-test techniques. The instruments used in this research are interview guidelines, product validation instruments, and tests. Data analysis techniques in this study, namely quantitative data analysis techniques and qualitative data analysis techniques.

This research process went through five research steps, namely Analysis, Design, Development, Implementation, and Evaluation. The teaching module was validated by four validators and obtained a score of 3.5 (good). The use of teaching modules has an impact on improving student learning outcomes seen from the final evaluation results in the form of pretest and posttest assessments obtained an increase of 36 points (36%).

Keywords: *mathematics teaching module, measurement, collaboration skills*