

ABSTRAK

Irmawati M, 2019. Pengembangan Perangkat Pembelajaran Matematika Menggunakan Metode *Discovery Learning* Berbasis GRANDER di Sekolah Dasar. Dibimbing oleh Rukli dan Baharullah.

Penelitian ini bertujuan untuk mengetahui validitas, praktikalitas dan efektivitas perangkat pembelajaran matematika menggunakan metode *discovery learning* berbasis GRANDER pada peserta didik kelas VI SD.

Penelitian ini adalah penelitian pengembangan (*research and development*), rancangan pengembangannya menggunakan model 4-D. Subjek penelitian ini adalah peserta didik kelas VI A SD Inpres Minasa Upa sebanyak 22 peserta didik sebagai sekolah simulasi, peserta didik kelas VI B SD Inpres Karunrung sebanyak 24 peserta didik dan peserta didik kelas VI A SD Inpres Minasa Upa I Kota Makassar sebagai sekolah uji coba perangkat. Pengumpulan data dilakukan melalui lembar validasi, angket respons guru, respons peserta didik, lembar observasi keterlaksanaan perangkat pembelajaran, instrumen penilaian hasil belajar, lembar observasi aktivitas peserta didik dan lembar observasi kemampuan guru dalam mengelola pembelajaran. Teknik analisis data yang digunakan adalah analisis deskriptif.

Hasil penelitian menunjukkan bahwa perangkat pembelajaran, alat peraga GRANDER dan instrumen penelitian berupa silabus, Rencana Pelaksanaan Pembelajaran (RPP), buku siswa, Lembar Kegiatan Peserta didik (LKPD), instrumen penilaian hasil belajar, angket respons guru, angket respons peserta didik, lembar observasi keterlaksanaan perangkat pembelajaran dan lembar observasi kemampuan guru dalam mengelola pembelajaran dinyatakan valid dan reliabel. Perangkat pembelajaran berbasis GRANDER dinyatakan praktis karena tiga indikator tercapai yaitu respons guru berada dalam kategori sangat baik, respons peserta didik berada dalam kategori baik dan keterlaksanaan perangkat pembelajaran berada dalam kategori terlaksana seluruhnya. Perangkat pembelajaran berbasis GRANDER dinyatakan efektif karena tiga indikator tercapai hasil belajar peserta didik mencapai ketuntasan klasikal, 89% peserta didik aktif dan kemampuan guru dalam mengelola pembelajaran berada dalam kategori sangat tinggi.

Kata Kunci: *Perangkat Pembelajaran Matematika, Discovery Learning, GRANDER*

ABSTRACT

Irmawati M, 2019. The Development of Mathematics Learning Tools Through Discovery Learning Method Based on GRANDER at the Primary Schools. Supervised by Rukli and Baharullah

This study aimed to study the validity, practicality and compatibility of mathematics learning tools through Discovery method based on GRANDER at the VI students.

This research was a research development (research and development), the design of the development applied a 4-D model. The subjects of this study were the students of Class VI A SD Inpres Minasa Upa with 22 students as simulation school, the students of Class VI B of SD Inpres Karunrung were 24 students, and students of Class VI A of SD Inpres Minasa Upa I Makassar City as experimental class. Data collection was carried out through validation sheets, response from teacher questionnaire, response from student questionnaire, observation sheets of learning device, learning outcomes assessment sheets, student activity observation sheets and teacher's ability observation sheet in managing classroom. The data analysis technique used was descriptive analysis.

GRANDER and research instruments on the syllabus, Lesson Plan (RPP), Student Books, Student Work Sheets (LKPD). The research instruments were responses from teachers' questionnaires, students' questionnaire, list of findings on learning tools and observation sheets of teacher ability in managing the classroom which valid and reliable. GRANDER-based learning tools is declared practical because the three agreed indicators included the teacher's response classified as excellent category, the students' response into the good category and the used of learning device was into fully implemented category. GRANDER-based learning tools are declared effective because three indicators on students' learning outcomes achieve completeness, 89% were classified as active students and the ability of teachers to manage classroom was classified very high.

Keywords: Mathematics Learning Tools, Discovery Learning, GRANDER

