

ABSTRAK

Brigitta Misgi Larasaty, 2019. Implementasi Alat Peraga Papan Pembagian berbasis Metode Montessori kepada Peserta Didik Tunarungu di SDLB B Wiyata Dharma I Sleman. Program Studi Pendidikan Matematika, Jurusan Pendidikan Matematika dan Ilmu Pengetahuan Alam, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Sanata Dharma Yogyakarta.

Penelitian ini bertujuan untuk: (1) mendeskripsikan hasil dari implementasi alat peraga papan pembagian berbasis metode Montessori kepada peserta didik tunarungu di SDLB B Wiyata Dharma I Sleman, (2) mendeskripsikan dampak dari implementasi alat peraga papan pembagian berbasis metode Montessori kepada peserta didik tunarungu di SDLB B Wiyata Dharma I Sleman ditinjau dari hasil belajar dan motivasi belajar siswa.

Jenis penelitian yang digunakan adalah deskriptif kualitatif dan kuantitatif. Subjek penelitian ini yaitu dua orang siswa kelas IV. Objek penelitian ini yaitu alat peraga papan pembagian berbasis metode Montessori untuk operasi hitung pembagian bilangan bulat positif dua angka dengan satu angka hasil sampai dengan 50 tanpa sisa. Pengumpulan data dalam penelitian ini dilakukan dengan cara: (1) memberikan soal *pre-test* dan *post-test*, (2) mengamati perilaku dan respon siswa tunarungu selama pembelajaran matematika berlangsung dengan mengisi lembar observasi untuk mengamati motivasi belajar siswa, (3) melakukan kegiatan wawancara untuk mengetahui proses pembelajaran matematika menggunakan alat peraga papan pembagian berbasis metode Montessori dan motivasi belajar siswa, (4) dokumentasi dalam bentuk foto, rekaman kegiatan belajar mengajar, dan transkrip (wawancara dan rekaman). Instrumen penelitian yang digunakan yaitu instrumen pembelajaran antara lain Rencana Pelaksanaan Pembelajaran dan Lembar Kerja Siswa, serta instrumen pengumpulan data antara lain: (1) lembar observasi pembelajaran, (2) lembar observasi motivasi belajar siswa, (3) pedoman wawancara, (4) soal *pre-test* dan *post-test*.

Hasil penelitian ini berupa deskripsi hasil dari implementasi alat peraga papan pembagian berbasis metode Montessori untuk materi operasi hitung pembagian bilangan bulat positif dua angka dengan satu angka dengan hasil sampai 50 tanpa sisa. Dampak dari implementasi alat peraga papan pembagian berbasis metode Montessori menunjukkan dampak yang positif, yaitu hasil belajar siswa menunjukkan peningkatan dari persentase rata-rata skor *pre-test* 38% dengan persentase rata-rata skor *post-test* 98%, rata-rata total hasil observasi motivasi belajar siswa menunjukkan kategori sangat tinggi dengan nilai 84,38.

Kata kunci: papan pembagian, metode Montessori, siswa tunarungu, hasil belajar, motivasi belajar

ABSTRACT

Brigitta Misgi Larasaty, 2019. The Implementation of Division Board Instrument based on Montessori Method for Deaf Students in SDLB B Wiyata Dharma I Sleman. Mathematics Education Study Program, Department of Mathematics and Science Education, Faculty of Teacher Training and Education, Sanata Dharma University Yogyakarta.

This study aims to: (1) describe the results of the implementation of the division learning instrument based on the Montessori method to deaf students at SDLB B Wiyata Dharma I Sleman, (2) describe the impact of the implementation of division learning instrument based on the Montessori method to deaf students in SDLB B Wiyata Dharma I Sleman in terms of learning outcomes and student motivation.

The type of research used is descriptive qualitative and quantitative. The subject of this study are two fourth grade students in SDLB B Wiyata Dharma I Sleman. The object of this research is the division learning instrument based on the Montessori method for calculating operations of dividing positive numbers into two numbers with one digit yield up to 50 without remainder. Data collection in this study was conducted by: (1) giving pre-test and post-test questions, (2) observing the behaviour and response of the deaf students during mathematics learning by filling out the observation sheet to observe students' learning motivation, (3) conducting activities interview to find out the learning process of mathematics using division learning instrument based on the Montessori method and student learning motivation, (4) documentation in the form of photographs, recordings of teaching and learning activities, and transcripts (interviews and recordings). The research instruments used were learning instruments such as Learning Implementation Plans and Student Worksheets, as well as data collection instruments including: (1) learning observation sheets, (2) observation sheets for student learning motivation, (3) interview guidelines, (4) questions pre-test and post-test.

The results of this study are in the form of a description of the results of the implementation of division board instrument based on the Montessori method for operating material to calculate the division of positive numbers two numbers with one number with results up to 50 without remainder. The impact of the implementation of division board instrument based on the Montessori method showed a positive impact, namely student learning outcomes showed an increase from the average pre-test value 38% with a post-test value of 98%, the average total observation results of students' learning motivation showed a category very high with a value of 84.38.

Keywords: division board, Montessori method, deaf students, learning outcomes, learning motivation