ABSTRACT

DINDA ROSANTY. *Development of Learning Media Based on CAI (Computer Assisted Instruction) in Theme 6 Sub-theme 1 Material of Temperature and Heat Class V SDN 102010 Liberia Kec. Teluk Mengkudu, Kab. Serdang Bedagai T.A 2021/2022. Elementary School Teacher Education Study Program, Faculty of Education, State University of Medan. 2022*

This study aims to: (1) determine the feasibility of learning media based on CAI (Computer Assisted Instruction), (2) determine the practicality of learning media based on CAI (Computer Assisted Instruction), (3) determine the effectiveness of using learning media based on CAI (Computer Assisted Instruction) on the theme of 6 sub-themes 1 learning 1. The type of research used in this research is research and development using the ADDIE model through 5 stages, namely the analysis, design, development, implementation, and evaluation stages. The subjects in this study were fifth grade students at SDN 102010 Liberia Kec. Teluk Mengkudu, Kab. Serdang Bedagai, which consists of 33 students, 22 male and 11 female. Data collection techniques in this study used interviews, questionnaires, and pretest and posttest question sheets. The results obtained showed: (1) The feasibility test obtained the "Very Eligible" criteria with details of the Media Expert Validator a score of 84.28% and the Material Expert Validator a score of 84% with the "Very Eligible" criteria. (2) The practicality test by the teacher got a score of 88% with the "Very Practical" criteria. The results of individual and small group trials on students obtained the results of each trial of 92% and 92.8% with the criteria of "Very Practical". (3) The effectiveness test obtained by students' pretest and posttest scores of 58.38 and 84.43. Based on the findings of the research, it is recommended for educators to be able to develop learning media based on CAI (Computer Assisted Instruction) in order to create quality and effective learning.

Keywords: Development, Learning Media, CAI (Computer Assisted Instruction)

ABSTRAK

DINDA ROSANTY. Pengembangan Media Pembelajaran Berbasis CAI (*Computer Assisted Instruction*) Pada Tema 6 Subtema 1 Materi Suhu Dan Kalor Kelas V SDN 102010 Liberia Kec. Teluk Mengkudu, Kab. Serdang Bedagai T.A 2021/2022. Program studi Pendidikan Guru Sekolah Dasar, Fakultas Ilmu Pendidikan, Universitas Negeri Medan. 2022.

Penelitian ini bertujuan untuk: (1) mengetahui kelayakan media pembelajaran berbasis CAI (*Computer Assisted Instruction*), (2) mengetahui kepraktisan media pembelajaran berbasis CAI (*Computer Assisted Instruction*), (3) mengetahui keefektifan penggunaan media pembelajaran berbasis CAI (*Computer Assisted Instruction*) pada tema 6 subtema 1 pembelajaran 1. Jenis penelitian yang digunakan dalam penelitian ini adalah penelitian dan pengembangan dengan menggunakan model ADDIE melalui 5 tahapan yaitu tahap *analysis, design, development, implementation,* dan *evaluation.* Subjek dalam penelitian ini adalah siswa kelas V SDN 102010 Liberia Kec. Teluk Mengkudu, Kab. Serdang Bedagai yang berjumlah 33 siswa 22 laki-laki dan 11 perempuan. Teknik pengumpulan data pada penelitian ini menggunakan wawancara, angket, serta lembar soal *pretest* dan *postest*. Hasil penelitian yang diperoleh menunjukkan: (1) Uji kelayakan mendapatkan kriteria "Sangat Layak" dengan rincian Validator Ahli Media diperoleh skor 84,28% dan Validator Ahli Materi memperoleh skor 84% dengan kriteria "Sangat Layak". (2) Uji kepraktisan oleh guru mendapat skor sebesar 88% dengan kriteria "Sangat Praktis". Adapun hasil uji coba perorangan dan kelompok kecil terhadap siswa memperoleh hasil masing-masing uji coba sebesar 92% dan 92,8% dengan kriteria "Sangat Praktis". (3) Uji keefektifan diperoleh nilai *pretest* dan *postest* siswa sebesar 58,38 dan 84,43. Berdasarkan temuan hasil penelitian tersebut disarankan bagi pendidika untuk dapat mengembangkan media pembelajaran berbasis CAI (*Computer Assisted Instruction*) demi menciptakan pembelajaran yang bermutu serta efektif.

Kata Kunci : Pengembangan, Media Pembelajaran, CAI (*Computer Assisted Instruction*)