ABSTRAK

MONICA GABRIELA NAINGGOLAN. Pengembangan E-Media Interaktif *Nearpod* Dengan Model *Problem Based Learning* pada Hasil Belajar IPAS Kelas IV SDS Pelangi. Skripsi. Medan: Fakultas Ilmu Pendidikan Universitas Negeri Medan, 2025.

Penelitian ini bertujuan untuk mengembangkan media pembelajaran *Nearpod* dengan model *Problem-Based Learning* yang valid, praktis, dan efektif untuk mata pelajaran IPAS, khususnya pada materi mengubah bentuk energi bagi siswa kelas IV Sekolah Dasar. Penelitian ini dilatarbelakangi oleh permasalahan yang ditemukan melalui observasi dan wawancara awal. Metode yang digunakan adalah penelitian dan pengembangan (R&D) dengan model ADDIE, yang terdiri dari lima tahap: analisis, desain, pengembangan, implementasi, dan evaluasi. Subjek penelitian ini melibatkan guru kelas dan siswa kelas IV SDS Pelangi, sedangkan objek penelitian berfokus pada media pembelajaran *Nearpod* dalam pembelajaran IPAS pada materi mengubah bentuk energi. Teknik pengumpulan data mencakup wawancara, tes, dan kuesioner, dengan instrumen berupa lembar wawancara guru, angket validasi materi, angket validasi media, angket praktisi pendidikan, serta soal pretest dan posttest. Hasil penelitian menunjukkan bahwa validasi oleh ahli materi memperoleh persentase rata-rata sebesar 90% dengan kategori "sangat layak", sementara validasi oleh ahli desain media memperoleh persentase rata-rata 97% dengan kategori "sangat praktis". Pengujian efektivitas media menunjukkan peningkatan nilai rata-rata siswa dari 54,73 (kategori "cukup praktis") menjadi 83,15 (kategori "sangat praktis") setelah menggunakan media *Nearpod*.

Kata Kunci : Pengembangan, E-Media, *Nearpod*, *Problem Based Learning*

ABSTRACT

MONICA GABRIELA NAINGGOLAN. Development of Nearpod Interactive E-Media with Problem Based Learning Model on Science Learning Outcomes of Grade IV SDS Pelangi. Skripsi. Medan: Faculty of Education, State University of Medan, 2025.

This study aims to develop Nearpod learning media with a valid, practical, and effective Problem-Based Learning model for the subject of Science, especially on the material of changing the form of energy for fourth grade students of Elementary School. This research is motivated by problems found through initial observations and interviews. The method used is research and development (R&D) with the ADDIE model, which consists of five stages: analysis, design, development, implementation, and evaluation. The subjects of this study involved class teachers and fourth grade students of SDS Pelangi, while the object of the study focused on Nearpod learning media in Science learning on the material of changing the form of energy. Data collection techniques include interviews, tests, and questionnaires, with instruments in the form of teacher interview sheets, material validation questionnaires, media validation questionnaires, education practitioner questionnaires, and pretest and posttest questions. The results of the study showed that validation by material experts obtained an average percentage of 90% with the category "very feasible", while validation by media design experts obtained an average percentage of 97% with the category "very practical". Media effectiveness testing showed an increase in students' average scores from 54.73 ("quite practical" category) to 83.15 ("very practical" category) after using Nearpod media.

Keywords: Development, E-Media, Nearpod, Problem Based Learning