ABSTRAK

Nasya Aurita Maharani, 2026. Pengembangan Media Pembelajaran *Energy Hero Adventure* dengan Pendekatan *Deep Learning* Pada Pembelajaran IPAS SD. Skripsi. Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan, Universitas PGRI Madiun. Pembimbing (1) Dr. Pinkan Amita Tri Prasasti, M.Pd., (II) Tiara Intan Cahyaningtyas, S.Si., M.Pd.

Pembelajaran IPAS di sekolah dasar masih didominasi oleh metode ceramah, sehingga menyulitkan siswa untuk memahami konsep-konsep abstrak seperti transformasi energi. Penelitian ini bertujuan untuk mengembangkan media pembelajaran berbasis web berjudul *"Energy Hero Adventure"* dengan menggunakan pendekatan *Deep Learning* serta menguji kelayakannya. Metode yang digunakan adalah model Penelitian dan Pengembangan (R&D*) Borg dan Gal*l, yang terdiri dari 10 tahap. Subjek penelitian adalah siswa kelas IV di SDN 01 Manisrejo, dengan total 44 siswa yang terbagi dalam tiga fase uji coba. Instrumen pengumpulan data meliputi lembar validasi ahli serta kuesioner tanggapan guru dan siswa yang menggunakan skala Likert. Hasil validasi menunjukkan 83,5% untuk ahli materi pelajaran, 87,27% untuk ahli media, dan 92% untuk ahli bahasa, yang semuanya dikategorikan sangat layak. Kuesioner tanggapan guru memperoleh skor 90,4%, sedangkan tanggapan siswa pada uji coba individu, lapangan utama, dan operasional masing-masing sebesar 94,29%, 95,68%, dan 93,48%. Media Energy Hero Adventure dinilai sangat sesuai untuk digunakan sebagai media pembelajaran IPAS untuk materi transformasi energi di sekolah dasar.

Kata Kunci: *Deep Learning, IPAS, Media Pembelajaran Digital*

ABSTRACT

Nasya Aurita Maharani, 2026. Development of "Energy Hero Adventure" Learning Media Using a Deep Learning Approach for Elementary School IPAS (Natural and Social Sciences) Instruction. Undergraduate Thesis. Primary School Teacher Education Study Program, Faculty of Teacher Training and Education, Universitas PGRI Madiun. Supervisors: (I) Dr. Pinkan Amita Tri Prasasti, M.Pd., (II) Tiara Intan Cahyaningtyas, S.Si., M.Pd.

IPAS instruction in elementary schools is still dominated by lecture methods, making it difficult for students to grasp abstract concepts such as energy transformation. This study aims to develop a web-based learning medium titled "Energy Hero Adventure" using a Deep Learning approach and to evaluate its feasibility. The study employs the Borg and Gall Research and Development (R&D) model, which consists of ten stages. The research subjects were fourth-grade students at SDN 01 Manisrejo, comprising a total of 44 students divided into three trial phases. Data collection instruments included expert validation sheets and Likert-scale questionnaires to gather feedback from teachers and students. Validation results showed scores of 83.5% from the subject matter expert, 87.27% from the media expert, and 92% from the language expert; all were categorized as highly feasible. The teacher response questionnaire yielded a score of 90.4%, while student responses during the individual, main field, and operational trials scored 94.29%, 95.68%, and 93.48%, respectively. The "Energy Hero Adventure" medium is considered highly suitable for use in teaching the energy transformation topic within the elementary school IPAS curriculum.

Keywords: Deep Learning, IPAS, Digital Learning Media