

ABSTRAK

Shellingga Dyah Kusumaninggar. 2026. Efektivitas Pendekatan *Deep Learning* Berbantuan Media *Augmented Reality* terhadap Hasil Belajar Kognitif IPAS Di Kelas V Sekolah Dasar. Skripsi. Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan (FKIP), Universitas PGRI Madiun. Pembimbing (I) Dr. Sri Lestari, M.Pd., Pembimbing (II) Dr. Raras Setyo Retno, M.Pd.

Penelitian ini bertujuan untuk mengetahui efektivitas pendekatan *Deep Learning* berbantuan media *Augmented Reality* terhadap hasil belajar kognitif IPAS siswa kelas V sekolah dasar pada materi organ pernapasan manusia. Penelitian ini menggunakan pendekatan kuantitatif dengan metode quasi experiment dan desain *Pretest-Posttest Control Group Design*. Sampel penelitian terdiri atas 20 siswa kelas V SDN Sirapan 01 sebagai kelas eksperimen dan 18 siswa kelas V SDN Sirapan 02 sebagai kelas kontrol. Data dikumpulkan melalui tes hasil belajar kognitif berupa pretest dan posttest, kemudian dianalisis menggunakan uji normalitas, uji homogenitas, dan Independent Sample t-test. Hasil penelitian menunjukkan bahwa hasil belajar kognitif siswa pada kelas yang memperoleh pembelajaran dengan pendekatan *Deep Learning* berbantuan media *Augmented Reality* lebih baik dibandingkan kelas yang memperoleh pembelajaran konvensional. Hasil uji hipotesis memperoleh nilai Sig. (2-tailed) sebesar $0,000 < 0,05$ sehingga H_1 diterima. Dengan demikian, pendekatan *Deep Learning* berbantuan media *Augmented Reality* terbukti efektif terhadap hasil belajar kognitif IPAS siswa kelas V sekolah dasar.

Kata Kunci: *Deep Learning*, *Augmented Reality*, hasil belajar kognitif, IPAS, sekolah dasar

ABSTRACT

Shellingga Dyah Kusumaninggar. 2026. The Effectiveness of a Deep Learning Approach Assisted by Augmented Reality Media on Cognitive Learning Outcomes in Natural and Social Sciences (IPAS) for Grade V Elementary School Students. Undergraduate Thesis. Primary School Teacher Education Study Program, Faculty of Teacher Training and Education (FKIP), Universitas PGRI Madiun. Supervisor (I) Dr. Sri Lestari, M.Pd., Supervisor (II) Dr. Raras Setyo Retno, M.Pd.

This study aims to determine the effectiveness of a Deep Learning approach supported by Augmented Reality media on the cognitive learning outcomes of fifth-grade elementary school students in the subject of Natural and Social Sciences (IPAS), specifically regarding the human respiratory system. The study employed a quantitative approach using a quasi-experimental method and a pretest-posttest control group design. The research sample consisted of 20 fifth-grade students from SDN Sirapan 01 (experimental group) and 18 fifth-grade students from SDN Sirapan 02 (control group). Data were collected via cognitive learning outcome tests (pretest and posttest) and analyzed using normality tests, homogeneity tests, and an independent sample t-test. The results indicate that the cognitive learning outcomes of students taught using the Deep Learning approach supported by Augmented Reality media were superior to those of students receiving conventional instruction. Hypothesis testing yielded a Sig. (2-tailed) value of 0.000 (< 0.05), leading to the acceptance of H_1 . Thus, the Deep Learning approach supported by Augmented Reality media is proven effective for the cognitive learning outcomes of fifth-grade elementary school students in IPAS.

Keywords: Deep Learning, Augmented Reality, cognitive learning outcomes, IPAS, elementary school