

Ervina Ayulia Yunitasari Ermono, 2025. Pengaruh Model Project Based Learning Berbantuan Buku Cerita Sains Digital Petualangan Respira Terhadap Hasil Belajar Kognitif Siswa IPAS Kelas V UPTD SDN Banyuajuh 2 Kamal. Skripsi, Program Studi Pendidikan Guru Sekolah Dasar, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Dosen Pembimbing: Ade Cyntia Pritasari, S.Pd., M.Pd.

ABSTRAK

Penelitian ini bertujuan untuk mengetahui pengaruh yang signifikan penggunaan model *Project Based Learning* berbantuan buku cerita sains digital Petualangan Respira terhadap hasil belajar kognitif IPAS siswa kelas V UPTD SDN Banyuajuh 2 Kamal. Penelitian ini merupakan penelitian kuantitatif dengan jenis penelitian eksperimen, desain penelitian yang digunakan adalah *quasi experimental design*, dan bentuk desain penelitian yang digunakan adalah *non-equivalent control group design*. Poupulasi dalam penelitian merupakan seluruh kelas V UPTD SDN Banyuajuh 2 Kamal yang berjumlah 34 siswa. Sampel yang digunakan dalam penelitian merupakan kelas V UPTD SDN Banyuajuh 2 yang terdiri dari 20 siswa kelas V-A dan 14 siswa kelas V-B. Teknik pengambilan sampel dalam penelitian menggunakan *nonprobability sampling* dengan jenis purposive sampling. Teknik pengumpulan data dalam penelitian ini menggunakan observasi dan tes hasil belajar. Instrument tes yang digunakan dalam penelitian ini terlebih dahulu melalui uji validitas, reliabilitas, taraf kesukaran, dan daya pembeda. Uji prasyarat yang digunakan adalah uji normalitas dan uji homogenitas. Uji hipotesis menggunakan uji-t *independent sample t-test*. Seluruh pengujian dalam penelitian ini dihitung dengan berbantuan IBM SPSS 22. Berdasarkan hasil analisis data uji-t *independent sample t-test* memperoleh hasil $t_{hitung} = 17,771 > t_{tabel} = 2,036$ maka H_0 ditolak. Maka dapat disimpulkan bahwa terdapat pengaruh model *Project Based Learning* berbantuan buku cerita sains digital Petualangan Respira terhadap hasil belajar kognitif IPAS siswa kelas V UPTD SDN Banyuajuh 2 Kamal.

Kata Kunci: Buku Cerita Sains Digital Petualangan Respira, Hasil Belajar Kognitif, IPA, Model *Project Based Learning*

Ervina Ayulia Yunitasari Ermono, 2025. The Effect of Project Based Learning Model Assisted by Respira Adventure Digital Science Storybook on Cognitive Learning Outcomes of IPAS Students in Grade V UPTD SDN Banyuajuh 2 Kamal. Thesis, Elementary School Teacher Education Study Program, Faculty of Teacher Training and Education, Universitas Trunojoyo Madura. Supervisor: Ade Cyntia Pritasari, S.Pd., M.Pd.

ABSTRACT

This study aims to determine the significant effect of using the Project Based Learning model assisted by the digital science storybook Adventure Respira on the cognitive learning outcomes of IPAS of grade V students of UPTD SDN Banyuajuh 2 Kamal. This research is quantitative research with experimental research type, the research design used is quasi experimental design, and the form of research design used is non-equivalent control group design. The population in the study was the entire class V UPTD SDN Banyuajuh 2 Kamal which amounted to 34 students. The sample used in the study was class V UPTD SDN Banyuajuh 2 consisting of 20 students in class V-A and 14 students in class V-B. The sampling technique in the study used nonprobability sampling with purposive sampling type. The data collection techniques in this study used observation and learning outcome tests. The test instrument used in this study was first tested for validity, reliability, difficulty level, and differentiating power. The pre-requisite tests used are normality test and homogeneity test. Hypothesis testing using independent sample t-test. All tests in this study were calculated with the help of IBM SPSS 22. Based on the results of the independent sample t-test data analysis, the t count = 17,771 > t table = 2,036, so H_0 is rejected. So it can be concluded that there is an effect of the Project Based Learning model assisted by the Respira Adventure digital science storybook on the cognitive learning outcomes of IPAS class V UPTD SDN Banyuajuh 2 Kamal students.

Keywords: *Respira Adventure Digital Science Storybook, Cognitive Learning Outcomes, IPA, Project Based Learning Model*