

**EFEK VIDEO SEGMENTASI DAN LKM BERBASIS PROYEK
TERHADAP *STUDENT ENGAGEMENT* DAN KETERAMPILAN
BERPIKIR KREATIF PADA MATA KULIAH
PEMBELAJARAN SD BERBASIS ICT**

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ABSTRAK

Penelitian ini bertujuan mengkaji pengaruh video segmentasi dan lembar kerja mahasiswa (LKM) berbasis proyek terhadap *student engagement* dan keterampilan berpikir kreatif. Penelitian kuantitatif ini dilaksanakan pada mahasiswa program studi Pendidikan Guru sekolah Dasar (PGSD) Fakultas Ilmu Pendidikan Undiksha semester genap tahun akademik 2023/2024. Penelitian ini menggunakan metode kuasi eksperimen dengan desain *faktorial 2x2*. Jumlah populasi penelitian adalah lima kelas (129 orang) dan jumlah sampel yang digunakan adalah empat kelas (kelas A: 26 orang, kelas B: 25 orang, kelas C: 26 orang, dan kelas D: 27 orang). Keempat kelas dipilih menggunakan teknik *cluster random sampling*. Instrumen yang digunakan adalah kuesioner untuk mengukur *student engagement* dan tes untuk mengukur keterampilan berpikir kreatif. Variabel dalam penelitian yaitu: *student engagement* awal dan berpikir kreatif awal sebagai kovariabel, tipe video dan model LKM sebagai variabel independen, serta *student engagement* dan berpikir kreatif sebagai variabel dependen. Data hasil penelitian selanjutnya dianalisis menggunakan uji Mancova. Hasil penelitian menunjukkan bahwa dengan mengontrol *student engagement* awal dan keterampilan berpikir kreatif awal secara bersama-sama ternyata video segmentasi dan LKM berbasis proyek memberikan pengaruh terhadap *student engagement* dan berpikir kreatif. Kemudian, interaksi antara tipe video dan model LKM ternyata berpengaruh terhadap keterampilan berpikir kreatif namun tidak berpengaruh terhadap *student engagement*. Secara parsial video segmentasi lebih baik daripada video non segmentasi terhadap *student engagement* dan berpikir kreatif. Begitu pula LKM berbasis proyek lebih baik daripada LKM berbasis *direct instruction* terhadap *student engagement* dan berpikir kreatif. Mengacu pada temuan penelitian, direkomendasikan untuk menerapkan video segmentasi dan LKM proyek dengan memperhatikan kapasitas kognitif mahasiswa.

Kata kunci: segmentasi, proyek, *student engagement*, berpikir kreatif

EFFECTS OF SEGMENTATION VIDEO AND PROJECT BASED STUDENT WORKSHEET ON STUDENT ENGAGEMENT AND CREATIVE THINKING SKILLS IN ICT-BASED ELEMENTARY SCHOOL LEARNING COURSES

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ABSTRACT

This study aims to examine the effect of video segmentation and project-based student worksheets on student engagement and creative thinking skills. This quantitative research was conducted on students of the Elementary School Teacher Education study program, Faculty of Education, Undiksha, in the even semester of the 2023/2024 academic year. This study used a quasi-experimental method with a 2x2 factorial design. The study population was five classes (129 students), and the sample size was four (class A: 26 students, class B: 25 students, class C: 26 students, and class D: 27 students). The four classes were selected using a cluster random sampling technique. The instruments used were a questionnaire to measure student engagement and a test to measure creative thinking skills. The variables in the study were initial student engagement and initial creative thinking as covariables, video type and student worksheets model as independent variables, and student engagement and creative thinking as dependent variables. The research data were then analyzed using the Mancova test. The results of the study showed that by controlling for initial student engagement and initial creative thinking skills simultaneously, segmented videos and project-based student worksheets affected student engagement and creative thinking. Furthermore, the interaction between the video type and student worksheet model had an effect on creative thinking skills but had no effect on student engagement. Partially, segmented videos were better than non-segmented videos in terms of student engagement and creative thinking. Similarly, project-based student worksheets were better than direct instruction-based student worksheets regarding student engagement and creative thinking. Referring to the research findings, it is recommended that video segmentation and project-based student worksheets be implemented while considering students' cognitive capacities.

Keywords: segmentation, project, student engagement, creative thinking