

## ABSTRAK

**Dedi Kristi Sitompul. 4163341017. Pengembangan Video Pembelajaran Biologi pada Materi Pencemaran Lingkungan Untuk Menanamkan Sikap Peduli Sampah di SMAN 1 Purbatua T.P 2020.**

Penelitian ini bertujuan untuk mengembangkan media video pembelajaran berbasis *Problem Based Learning* (PBL) pada pembahasan peduli sampah di kelas XI SMA N 1 Purbatua Tahun Pembelajaran 2020/2021. Penelitian ini bertujuan untuk menguji kelayakan media yang dikembangkan melalui Ahli media, Ahli materi, Ahli pembelajaran, respon pendidik dan respon peserta didik terhadap mediavideo pembelajaran berbasis *Problem Based Learning* (PBL) yang dikembangkan. Populasi penelitian adalah seluruh siswa kelas XI yang berjumlah 58 orang dan sampelnya terdiri dari dua kelas yaitu kelas yang mewakili IPA dan IPS yang diambil dengan teknik *purposive sampling*. Metode penelitian dan pengembangan menggunakan metode ADDIE. Prosedur pengembangan media video pembelajaran dilakukan melalui beberapa tahap yaitu: (1) Tahap Analisis (Analysis) berupa analisis media pembelajaran dan analisis kebutuhan. (2) Tahap Perancangan (Design) berupa perancangan konsep dalam media dan penyusunan instrumen. (3) Tahap Pengembangan (Development) berupa proses pembuatan hingga validasi media. (4) Tahap Implementasi (Implementation) berupa uji coba produk kepada peserta didik. (5) Tahap Evaluasi (Evaluation). Instrumen yang digunakan dalam penelitian ini berupa angket untuk mengetahui kelayakan video, respon terhadap video serta pertumbuhan sikap siswa terhadap videopembelajaran. Hasil penelitian ini menunjukkan 95% materi yang digunakan sangat layak, sebesar 93% desain video yang digunakan sangat layak, sebesar 86% media pembelajaran dalam video sangat layak, penilaian dari guru biologi terhadap video pembelajaran sebesar 82% yang dikategorikan sangat layak, respon siswa IPA & IPS terhadap video pembelajaran sebesar 83% yang dikategorikan sangat layak, dan hasil implementasi yang dilakukan kepada siswa IPA & IPS sebesar 84% yang dikategorikan sangat peduli. Keseluruhan video pembelajaran biologi sangat layak digunakan dan dapat menanamkan nilai sikap peduli sampah pada siswa.

**Kata Kunci:** *Pengembangan, Video Pembelajaran, Problem Based Learning (PBL), sikap Peduli Sampah*



## **ABSTRACT**

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This study aims to develop a Problem Based Learning (PBL)-based learning video media in the discussion of waste care in class XI SMA N 1 Purbatua for the 2020/2021 academic year. This study aims to meet the media developed through media experts, material experts, learning experts, educator responses and student responses to the Problem Based Learning (PBL)-based learning video media developed. The research population was all students of class XI who collected 58 people and the sample consisted of two classes, namely the class representing science and social studies which was taken using purposive sampling technique. The research and development method uses the ADDIE method. The procedure for developing learning video media is carried out through several stages, namely: (1) Analysis stage in the form of learning media analysis and needs analysis. (2) The Design (Design) phase is in the form of conceptual design in the media and the preparation of instruments. (3) The Development Phase in the form of the manufacturing process to media validation. (4) Implementation phase (Implementation) in the form of product trials to students. (5) Evaluation Phase (Evaluation). The instrument used in this study was a questionnaire to determine the video, the response to the video, and the growth of students' attitudes towards learning videos. The results of this study indicate that 95% of the material used is very feasible, 93% of the video design used is very feasible, 86% of the instructional media in the video is very feasible, the assessment of the biology teacher on the learning video is 82% which is feasible, the response of science & social studies to 83% of learning videos are categorized as very decent, and the results of the implementation carried out for science & social studies students are 84% who are categorized as very caring. The entire biology learning video is very feasible to use and can instill the value of caring for waste in students.

**Keywords:** Development, Learning Video, Problem Based Learning (PBL), Care for Waste

