

# **PENGEMBANGAN MEDIA 3D MATERI SISTEM**

## **PERNAPASAN PELAJARAN IPA PADA SISWA**

### **KELAS V SDN 101752 KELAMBIR LIMA**

**KEBUN T.A 2023/2024**

#### **Abstrak**

Media pembelajaran merupakan wahana penyalur pesan dan informasi belajar. Media pembelajaran dirancang sebaik mungkin untuk meningkatkan hasil belajar siswa serta dengan didukung dengan keadaan sekolah. Penggunaan media 3D sebagai media pembelajaran akan membuat siswa lebih bisa membayangkan sebenarnya yang terjadi. Penelitian ini bertujuan untuk mendeskripsikan proses pengembangan media serta menghasilkan suatu produk dan untuk mengetahui keefektivan kualitas produk berupa media 3D dalam Mata Pelajaran IPA di Sekolah Dasar. Penelitian ini merupakan jenis penelitian Research and Development (R&D) dengan model PPE yang terdiri dari tiga tahap yaitu *planning, production, evaluation*. pengumpulan data menggunakan validasi dan angket. Teknik analisis data diperoleh dari hasil validasi ahli media, ahli materi serta hasil angket respon guru dan siswa. Hasil penelitian menunjukkan bahwa presentase validasi ahli materi dan ahli media sebesar 90% dengan kriteria sangat valid. Hasil angket guru diperoleh sebesar 90% dan angket respon siswa sebesar 83% dengan kriteria sangat efektif. Berdasarkan analisis data dapat disimpulkan bahwa terdapat kualitas produk berupa keefektivan sehingga media 3D dapat digunakan untuk media pembelajaran dengan mata pelajaran sistem pernapasan manusia.

**Kata Kunci: Pengembangan, Media 3D, Sistem Pernapasan Manusia**

# ***DEVELOPMENT OF 3D MEDIA MATERIALS SYSTEMS***

## ***RESPIRATORY IN SCIENCE LESSONS IN STUDENTS***

### ***GRADE V SDN 101752 KELAMBIR LIMA KEBUN***

#### ***FOR ACADEMIC YEAR 2023/2024***

##### ***Abstract***

*Learning media is a vehicle for transmitting learning messages and information. Learning media is designed as best as possible to improve student learning outcomes and is supported by school conditions. Using 3D media as a learning medium will make students more able to imagine what actually happened. This research aims to describe the media development process and produce a product and to determine the effectiveness of product quality in the form of 3D media in science subjects in elementary schools. This research is a type of Research and Development (R&D) research with a PPE model which consists of three stages, namely planning, production, evaluation. data collection using validation and questionnaires. Data analysis techniques were obtained from the validation results of media experts, material experts and the results of teacher and student response questionnaires. The research results show that the validation percentage of material experts and media experts is 90% with very valid criteria. The teacher questionnaire results obtained were 90% and the student questionnaire responses were 83% with very effective criteria. Based on data analysis, it can be concluded that there is product quality in the form of effectiveness so that 3D media can be used as learning media on the subject of the human respiratory system.*

***Keywords: Development, Media, 3D, Human Respiratory system***