

Asri Millinnia Widya Ningseh. 2023. *Pengembangan Multimedia Interaktif Berbasis Android Berbantuan Smart Apps Creator Pada Materi Sistem Pernapasan Manusia*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Nur Qomaria.

## ABSTRAK

Tujuan dari penelitian ini adalah untuk mengukur kevalidan dan respons siswa terhadap multimedia interaktif berbasis android berbantuan *Smart Apps Creator* pada materi sistem pernapasan manusia. Penelitian ini menggunakan model pengembangan ADDIE yang terdiri dari lima tahapan, yaitu *analysis*, *design*, *development*, *implementation*, dan *evaluation*. Pengumpulan data penelitian berupa angket validasi dan angket respons siswa. Teknik analisis data yang digunakan dalam penelitian ini berupa analisis data kuantitatif dan kualitatif. Subjek uji coba penelitian ini berjumlah 22 siswa dari kelas VIII B MTs Sunan Drajat Sugihwaras. Hasil validasi ahli media dan ahli materi mendapatkan nilai rata-rata persentase sebesar 91,1% dengan kriteria sangat valid dan 93,2% dengan kriteria sangat valid. Hasil akhir rata-rata persentase respons siswa sebesar 86,1% dengan kriteria sangat baik. Berdasarkan hasil tersebut dapat ditarik kesimpulan bahwa multimedia interaktif berbasis android berbantuan *Smart Apps Creator* pada materi sistem pernapasan manusia sangat valid dan mendapatkan respons baik dari siswa, sehingga layak digunakan dalam pembelajaran IPA.

**Kata kunci:** Android, Multimedia interaktif, Kevalidan, Respons Siswa, Sistem Pernapasan Manusia, *Smart Apps Creator*

Asri Millinnia Widya Ningseh. 2023. *Development of Android-Based Interactive Multimedia Assisted by Smart Apps Creator on Human Respiratory System Material*. Thesis, Science Education Study Program, Faculty of Education, Trunojoyo University, Madura. Advisor: Nur Qomaria.

#### **ABSTRACT**

*The purpose of this study was to measure the validity and students' responses to android-based interactive multimedia assisted by Smart Apps Creator on human respiratory system material. This study uses the ADDIE development model which consists of five stages, namely analysis, design, development, implementation, and evaluation. The data were collected in the form of validation questionnaires and student response questionnaires. The data analysis technique used quantitative and qualitative data analysis. The test subjects of this research amounted to 22 students from class VIII B MTs Sunan Drajat Sugihwaras. The results of the validation of media experts and material experts get an average percentage value of 91,1% with very valid criteria and 93,2% with very valid criteria. The result of the average percentage of student responses was 86,1% with very good criteria. Based on these results, it can be concluded that the android-based interactive multimedia assisted by Smart Apps Creator on the material of the human respiratory system is very valid and received good responses from students, so it is feasible to use in science learning.*

**Keywords:** *Android, Interactive Multimedia, Validity, Student Response, Human Respiratory System, Smart Apps Creator*