

ABSTRAK**PENGEMBANGAN MULTIMEDIA INTERAKTIF DENGAN
PENDEKATAN PAKEMATIK PADA MATA PELAJARAN IPA
KELAS IV SD NEGERI DARATAN**

Andreas Hendri Kurniawan
Universitas Sanata Dharma
2017

Penelitian ini merupakan jenis penelitian pengembangan (*Research and Development* atau R&D). Tujuan utama dari penelitian ini adalah untuk mengembangkan multimedia interaktif dengan pendekatan PAKEMATIK pada mata pelajaran IPA kelas IV SD khususnya materi pengaruh perubahan lingkungan fisik terhadap daratan.

Pengembangan multimedia interaktif ini menggunakan 9 tahap yaitu: (1) potensi dan masalah, (2) mengumpulkan informasi, (3) desain produk, (4) validasi desain, (5) perbaikan desain, (6) uji coba produk, (7) revisi produk, (8) uji coba pemakaian, (9) revisi produk. Validasi dilakukan oleh dua orang ahli materi dan satu orang ahli media. Subjek uji coba adalah siswa kelas IV SD Negeri Daratan melalui dua tahap, yaitu uji coba kelompok kecil oleh 5 siswa dan uji coba lapangan oleh 14 siswa. Data yang dikumpulkan dengan kuisioner dan wawancara. Data berupa hasil penilaian mengenai kualitas produk dan saran untuk merevisi produk yang selanjutnya dianalisis secara deskriptif.

Hasil penelitian menunjukkan bahwa produk multimedia interaktif yang dikembangkan layak digunakan dalam pembelajaran IPA kelas IV SD. Hal ini ditunjukkan oleh: (1) Penilaian dari ahli materi 1 termasuk dalam kriteria *baik* dengan rata-rata skor sebesar 3,90. (2) Ahli materi 2 menilai sebesar 3,40 yang termasuk dalam kriteria *baik*. (3) Ahli media memberikan nilai sebesar 3,96 dengan kriteria *baik*. (4) Hasil uji coba kelompok kecil menunjukkan bahwa produk yang dikembangkan termasuk dalam kriteria *baik* dengan rata-rata skor sebesar 3,96, (5) Hasil uji coba lapangan menunjukkan bahwa produk pembelajaran yang dikembangkan termasuk dalam kriteria *sangat baik* dengan rata-rata skor sebesar 4,22.

ABSTRACT**INTERACTIVE MULTIMEDIA DEVELOPMENT WITH PAKEMATIK
APPROACH IN NATURAL SCIENCE LESSON FOR THE FORTH
GRADERS OF DARATAN STATE ELEMENTARY SCHOOL**

Andreas Hendri Kurniawan
Sanata Dharma University
2017

It was an R&D (*Research and Development*) that focused on developing interactive multimedia with PAKEMATIK approach in natural science lesson for the fourth graders of elementary school, especially about the influence of the changes in physical environment towards land.

The development of this interactive multimedia was done through nine steps: (1) potential and problem analysis, (2) data collection, (3) product design, (4) design validity, (5) design revision, (6) product testing, (7) product revision, (8) usage testing, and (9) product revision. The validity processes were done by two experts in material and an expert in media development. The product was tested to the fourth graders of Daratan state elementary school through two steps, they were small group testing (five students) and large group testing (14 students). The data were collected through questioner and interview. The data collected were the results of product quality assessment and recommendations to revise the product tested. Then, the data were analysed in purely descriptive.

The results of the research showed that the product of this interactive multimedia development was suitable to be used in natural science lesson for the fourth graders of elementary school. This was shown by the following criteria: (1) The assessment given by the first expert in material is *good* with the average score of 3,90. (2) The second expert in material scored 3,40 in product testing with a criterion *good*. (3) The expert in media development scored 3,96 with a criterion *good*. (4) The result of a small group testing showed that the developed product was in a criterion *good* with the average score of 3,96. (5) The result of field-testing showed that the product of learning media development was in a criterion *very good* with the average score of 4,22.