

**PENGEMBANGAN MULTIMEDIA INTERAKTIF BERBASIS
COLLABORATIVE LEARNING UNTUK MENINGKATKAN
PEMAHAMAN MATA PELAJARAN IPAS SISWA KELAS IV**

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ABSTRAK

Penelitian ini bertujuan untuk: (1) mengetahui rancang bangun multimedia interaktif berbasis *collaborative learning* pada pembelajaran IPAS, (2) mengetahui validitas produk multimedia interaktif berbasis *collaborative learning* pada mata pelajaran IPAS, (3) mengetahui kepraktisan multimedia interaktif berbasis *collaborative learning* pada mata pelajaran IPAS, (4) mengetahui efektivitas multimedia interaktif berbasis *collaborative learning* pada pembelajaran IPAS. Jenis penelitian ini merupakan penelitian pengembangan dengan model *ADDIE* yang terdiri dari 5 tahapan utama yaitu analisis, perancangan, pengembangan, implementasi, dan evaluasi. Metode pengumpulan data yang digunakan dalam penelitian ini berupa kuesioner dan tes. Teknik analisis data yang digunakan adalah deskriptif kuantitatif dan analisis statistika inferensial uji-t. Hasil dari penelitian ini menunjukkan bahwa (1) telah menghasilkan perancangan multimedia interaktif dari tahapan analisis hingga tahapan evaluasi, (2) hasil uji validitas ahli: (a) ahli isi pembelajaran diperoleh skor 96% kualifikasi sangat baik, (b) ahli media diperoleh skor 95% kualifikasi sangat baik, (c) ahli desain diperoleh skor 95% kualifikasi sangat baik. Hasil uji coba produk: (a) uji coba perorangan diperoleh skor 96% kualifikasi sangat baik, (b) uji coba kelompok kecil diperoleh skor 95% kualifikasi sangat baik, (3) uji kepraktisan oleh guru memperoleh skor 96% kualifikasi sangat baik, (4) efektivitas multimedia interaktif dilihat dari perbedaan rata-rata *pretest* 41 dan *posttest* 82. Nilai *posttest* berada di atas KKTP, disimpulkan bahwa penggunaan multimedia interaktif berbasis *collaborative learning* efektif untuk meningkatkan pemahaman mata pelajaran IPAS siswa kelas IV SD Negeri 1 Paket Agung.

Kata Kunci: Pengembangan, Multimedia Interaktif, *Collaborative Learning*, *ADDIE*, Pemahaman

**DEVELOPMENT OF COLLABORATIVE LEARNING BASED
INTERACTIVE MULTIMEDIA TO IMPROVE FOURTH-GRADE
STUDENTS' UNDERSTANDING IN IPAS SUBJECT**

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ABSTRACT

This study aims to: (1) determine the design and development of collaborative learning-based interactive multimedia in IPAS learning, (2) determine the validity of the collaborative learning-based interactive multimedia product in the IPAS subject, (3) determine the practicality of collaborative learning-based interactive multimedia in the IPAS subject, and (4) determine the effectiveness of collaborative learning-based interactive multimedia in IPAS learning. This research is a development study using the ADDIE model, which consists of five main stages: analysis, design, development, implementation, and evaluation. The data collection methods used in this study were questionnaires and tests. The data analysis techniques employed were quantitative descriptive analysis and inferential statistical analysis using the t-test. The results of this study indicate that: (1) the design of interactive multimedia was successfully developed from the analysis stage to the evaluation stage; (2) the results of expert validity testing showed that: (a) the content expert evaluation obtained a score of 96% with a very good qualification, (b) the media expert evaluation obtained a score of 95% with a very good qualification, and (c) the instructional design expert evaluation obtained a score of 95% with a very good qualification. The product trial results showed that: (a) the individual trial obtained a score of 96% with a very good qualification, and (b) the small group trial obtained a score of 95% with a very good qualification. (3) The practicality test conducted by teachers obtained a score of 96% with a very good qualification. (4) The effectiveness of the interactive multimedia was indicated by the difference between the average pre-test score of 41 and the post-test score of 82. The post-test score was above the Minimum Learning Mastery Criteria (KKTP). Therefore, it can be concluded that the use of collaborative learning-based interactive multimedia is effective in improving fourth-grade students' understanding of the IPAS subject at SD Negeri 1 Paket Agung.

Keywords: *Development, Interactive Multimedia, Collaborative Learning, ADDIE, Understanding.*