

**PENGEMBANGAN MULTIMEDIA INTERAKTIF BERBASIS *WEBSITE*
UNTUK MENINGKATKAN KEMANDIRIAN BELAJAR PADA MUATAN
IPAS MATERI SUMBER DAYA ALAM KELAS IV SDN 1 BATURITI**

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ABSTRAK

Penelitian ini bertujuan (1) untuk menguraikan rancang bangun pengembangan multimedia interaktif berbasis *website* untuk meningkatkan karakter kemandirian belajar pada pembelajaran IPAS materi sumber daya alam kelas IV SD Negeri 1 Baturiti, (2) untuk mengetahui validitas pengembangan multimedia interaktif berbasis *website* untuk meningkatkan kemandirian belajar pada pembelajaran IPAS materi sumber daya alam kelas IV SD Negeri 1 Baturiti (3) untuk mengetahui efektivitas pengembangan multimedia interaktif berbasis *website* untuk meningkatkan kemandirian belajar pada pembelajaran IPS materi sumber daya alam pada muatan IPAS kelas IV SD Negeri 1 Baturiti. Model penelitian pengembangan yang digunakan dalam penelitian ini adalah ADDIE. Metode pengumpulan data dilaksanakan melalui metode non tes berupa angket/kuesioner, wawancara tidak terstruktur dan lembar observasi. Hasil penelitian pengembangan ini berupa (1) rancang bangun multimedia interaktif berbasis *website* yang memuat komponen halaman muka atau beranda, petunjuk penggunaan media, menu utama yang terdiri dari kompetensi, materi sumber daya alam, *game* katak SDA, evaluasi dan profil pengembang dengan memperoleh penilaian ahli rancang bangun sebesar 90,90% yang dikualifikasikan sangat baik, (2) multimedia interaktif berbasis *website* dinyatakan layak berdasarkan hasil penilaian ahli isi pembelajaran sebesar 96,87% yang dikualifikasikan sangat baik, penilaian ahli desain pembelajaran sebesar 92,5% yang dikualifikasikan sangat baik, penilaian ahli media pembelajaran sebesar 92,04% yang dikualifikasikan sangat baik, uji coba praktisi sebesar 89,99% yang dikualifikasikan baik, uji coba perorangan sebesar 91,06% yang dikualifikasikan sangat baik, uji coba kelompok kecil sebesar 92,25% yang dikualifikasikan sangat baik, (3) berdasarkan uji-t *sample dependent* diperoleh nilai $t_{hitung} = 5,390$ sedangkan nilai t_{tabel} pada taraf signifikansi 5% dan $dk = n - 1 = 30 - 1 = 29$ diperoleh nilai $t_{tabel} = 2,045$. Hasil tersebut menunjukkan $t_{hitung} > t_{tabel}$ sehingga H_0 ditolak dan H_1 diterima. Maka dapat disimpulkan bahwa multimedia interaktif berbasis *website* muatan IPAS materi sumber daya alam efektif dalam meningkatkan kemandirian belajar peserta didik kelas IV SDN 1 Baturiti.

Kata Kunci: pengembangan, multimedia interaktif, *website*, kemandirian belajar.

**DEVELOPMENT OF WEBSITE-BASED INTERACTIVE MULTIMEDIA TO
ENHANCE SELF-LEARNING IN THE SCIENCE SUBJECT OF NATURAL
RESOURCES FOR FOURTH-GRADE STUDENTS AT SDN 1 BATURITI**

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ABSTRACT

This study aims (1) to describe the design and development of interactive multimedia based on a website to improve the character of independent learning in natural resource science learning for grade IV of SD Negeri 1 Baturiti, (2) to determine the validity of the development of interactive multimedia based on a website to improve independent learning in natural resource science learning for grade IV of SD Negeri 1 Baturiti (3) to determine the effectiveness of the development of interactive multimedia based on a website to improve independent learning in natural resource science learning for grade IV of SD Negeri 1 Baturiti. The research and development model used in this study is ADDIE. The data collection method is carried out through non-test methods in the form of questionnaires, unstructured interviews and observation sheets. The results of this development research are in the form of (1) interactive multimedia design based on a website that contains components of the home page or homepage, instructions for using the media, a main menu consisting of competencies, natural resource material, SDA frog games, evaluations and developer profiles by obtaining an expert assessment of design of 90.90% which is qualified as very good, (2) interactive multimedia based on the website is declared feasible based on the results of the assessment of learning content experts of 96.87% which is qualified as very good, the assessment of learning design experts of 92.5% which is qualified as very good, the assessment of learning media experts of 92.04% which is qualified as very good, practitioner trials of 89.99% which is qualified as good, individual trials of 91.06% which is qualified as very good, small group trials of 92.25% which is qualified as very good, (3) based on the dependent sample t-test, the calculated t value is 5.390 while the t-table value at a significance level of 5% and $dk = n - 1 = 30 - 1 = 29$ obtained the value of $t_{table} = 2.045$. The results show $t_{count} > t_{table}$ so that H_0 is rejected and H_1 is accepted. So it can be concluded that interactive multimedia based on the website of natural resource material is effective in improving the learning independence of grade IV students of SDN 1 Baturiti.

Keywords: *development, interactive multimedia, website, learning independence.*