PENGEMBANGAN MEDIA E-MODUL INTERAKTIF DENGAN *VIRTUAL LABORATORY* BERBASIS *CONTEXTUAL TEACHING LEARNING* MATERI PERKEMBANGBIAKAN TUMBUHAN MUATAN IPAS KELAS IV SD NO. 1 BAHA

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ABSTRAK

Penelitian ini bertujuan untuk (1) mendeskripsikan rancang bangun media E-Modul interaktif dengan *virtual laboratory* berbasis *contextual teaching learning* materi perkembangbiakan tumbuhan muatan IPAS kelas IV SD No. 1 Baha, (2) mengetahui validitas media E-Modul interaktif dengan *virtual laboratory* berbasis *contextual teaching learning* materi perkembangbiakan tumbuhan muatan IPAS kelas IV SD No. 1 Baha, dan (3) mengetahui efektivitas dari media E-Modul interaktif dengan *virtual laboratory* berbasis *contextual teaching learning* materi perkembangbiakan tumbuhan muatan IPAS kelas IV SD No. 1 Baha. Penelitian ini menggunakan model pengembangan ADDIE. Metode pengumpulan data dilaksanakan melalui metode angket/kuesioner dan metode tes. Hasil analisis data pada penelitian ini, yaitu (1) rancang bangun media E-Modul interaktif berdasarkan hasil penilaian dari ahli rancang bangun sebesar 93,18% dengan kualifikasi sangat baik, (2) media E-Modul interaktif dinyatakan layak berdasarkan hasil penilaian dari ahli isi/materi pembelajaran sebesar 96,60% dengan kualifikasi sangat baik, hasil penilaian dari ahli desain instruksional sebesar 92,10% dengan kualifikasi sangat baik, hasil penilaian dari ahli media pembelajaran sebesar 93,75% dengan kualifikasi sangat baik, hasil penilaian uji coba perorangan sebesar 95,82% dengan kualifikasi sangat baik, hasil penilaian uji coba kelompok kecil sebesar 93,00% dengan kualifikasi sangat baik, (3) efektivitas media E-Modul interaktif berdasarkan uji-t *sample dependent* diperoleh nilai t_{hitung} = 23,56 sedangkan nilai t_{tabel} dengan dk = n-1 = 28-1 = 27 pada taraf signifikansi 5% diperoleh sebesar 2,05. Hasil tersebut menunjukkan $t_{hitung} > t_{tabel}$ sehingga H_0 ditolak dan H_1 diterima. Jadi, dapat disimpulkan bahwa media E-Modul interaktif dengan *virtual laboratory* berbasis *contextual teaching learning* efektif untuk diterapkan pada materi perkembangbiakan tumbuhan muatan IPAS kelas IV SD No. 1 Baha.

Kata Kunci: pengembangan, E-Modul interaktif, *contextual teaching learning*, IPAS

DEVELOPMENT OF INTERACTIVE E-MODULE MEDIA WITH VIRTUAL LABORATORY BASED ON CONTEXTUAL TEACHING AND LEARNING ON PLANT PROPAGATION MATERIAL SCIENCE CONTENT FOR GRADE IV ELEMENTARY SCHOOL NO. 1 BAHA

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ABSTRACT

This study aims to (1) describe the design and construction of interactive E-Module media with a virtual laboratory based on contextual teaching learning of IPAS content plant propagation material for grade IV SD No. 1 Baha, (2) determine the validity of interactive E-Module media with a contextual teaching learning virtual laboratory for IPAS content plant propagation material for grade IV SD No. 1 Baha, and (3) determine the effectiveness of interactive E-Module media with virtual laboratory contextual teaching learning material for plant breeding content of IPAS grade IV SD No. 1 Baha. This research uses the ADDIE development model. The data collection method is carried out through the questionnaire method and the test method. The results of data analysis in this study are (1) the design of interactive E-Module media based on the results of the assessment from the design expert of 93.18% with very good qualifications, (2) the interactive E-Module media was declared feasible based on the results of the assessment from the content/learning material experts of 96.60% with very good qualifications, the assessment results of the instructional design experts of 92.10% with very good qualifications, The results of the assessment from learning media experts were 93.75% with very good qualifications, the results of the individual trial assessment were 95.82% with very good qualifications, the results of the small group trial assessment were 93.00% with very good qualifications, (3) the effectiveness of interactive E-Module media based on the sample dependent t-test was obtained with a t_{-count} = 23.56 while the t_{-table} value with dk = n-1 = 28-1 = 27 at a significance level of 5% was obtained of 2.05. The results show that the $t_{-count} > t_{-table}$ so that H_0 is rejected and H_1 is accepted. So, it can be concluded that interactive E-Module media with a virtual laboratory based on contextual teaching learning is effective to be applied to plant propagation materials with IPAS content in grade IV SD No. 1 Baha.

Keywords: *development, interactive E-Module, contextual teaching learning, IPAS*