

**PENGEMBANGAN E-MODUL BERBASIS  
PROJECT BASED LEARNING PADA MATA PELAJARAN IPAS KELAS  
IV SD N 4 BANYUASRI  
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**ABSTRAK**

Penelitian ini bertujuan untuk (1) mendeskripsikan rancang bangun pengembangan *E-Modul* berbasis *Project based learning*, (2) mendeskripsikan validitas *E-Modul* berbasis *Project based learning* (3) mengetahui efektivitas media *E-Modul* berbasis *Project based learning* pada mata pelajaran IPAS kelas IV di SD Negeri 4 Banyuasri. Metode penelitian yang digunakan dalam penelitian ini adalah pengembangan atau Research and Development (R&D). Dengan menggunakan model ADDIE. Pengumpulan data dilakukan dengan metode wawancara, observasi, pencatatan dokumen, kuesioner, dan tes. Teknik analisis data menggunakan teknik analisis deskriptif kuantitatif, kualitatif dan analisis statistik inferensial uji-t. Hasil dari penelitian ini menunjukkan bahwa (1) proses rancang bangun pengembangan *E-Modul* berbasis *Project based learning* ini dikembangkan melalui tahap model ADDIE yang terdiri atas lima tahapan yaitu tahap analisis, desain, pengembangan, implementasi, dan evaluasi, (2) *E-Modul* berbasis *Project based learning* dinyatakan valid dengan hasil *review* uji ahli isi pembelajaran diperoleh skor sebesar 98% dengan kualifikasi sangat baik, uji ahli media pembelajaran diperoleh skor sebesar 92,8% dengan kualifikasi sangat baik, uji ahli desain pembelajaran diperoleh skor sebesar 96% dengan kualifikasi sangat baik, uji coba perorangan memperoleh skor sebesar 97,2% dengan kualifikasi sangat baik, dan uji coba kelompok kecil dengan memperoleh skor 95,34% dengan kualifikasi sangat baik, (3) efektivitas *E-Modul* berbasis *Project based learning* yang dilihat dari uji-t dengan perolehan hasil t-hitung sebesar 14,976 dan t-tabel 2,003 yang menunjukkan adanya perbedaan yang signifikan dari hasil belajar siswa sebelum dan sesudah menggunakan *E-Modul* berbasis *Project based learning*. Diketahui rata-rata *post-test* sebesar 80,16 yang berada diatas KKM. Maka dapat dapat disimpulkan bahwa *E-Modul* berbasis *Project based learning* efektif digunakan untuk meningkatkan hasil belajar IPAS materi Indonesia Kaya Budaya kelas IV di SD Negeri 4 Banyuasri.

Kata Kunci: Pengembangan, *E-modul*, *Project Based Learning*, ADDIE, IPAS

**E-MODULE BASED DEVELOPMENT  
PROJECT BASED LEARNING IN CLASS IV SCIENCE SUBJECTS AT SD  
N 4 BANYUASRI  
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**ABSTRACT**

*The rapid development of technology encourages the replacement of printing technology with computer technology in learning activities. One of them is the teaching module, where the module, which was originally a print learning medium, was transformed into an electronic form so that a new term was issued, namely the electronic module or better known as E-Module. This is a new innovation in learning. The limited use of teaching materials in educational units makes teachers still tend to use teaching materials that are conventional only limited to package books but students have a high interest in reading, this needs new developments in facilitating student learning. This research aims to develop an e-module with a project-based learning approach for Indonesia Rich Culture material in the fourth grade of Elementary School Science subjects that have been tested for design, feasibility and effectiveness. This research is a development research that applies the ADDIE model. The methods used in data collection are questionnaires and tests. The subjects in this study are 30 students. This study shows the results that the e-module with a project-based learning approach is declared feasible based on the results of the review of learning content experts with very good qualifications (98%), the results of the review of learning media experts with very good qualifications (92.8%); the results of learning design experts with excellent qualifications (96%); the results of individual trials with very good qualifications (97.2%); and the results of the small group test with very good qualifications (95.34%). The results of the effectiveness test showed a t-count of 14.976 for db=60 and a significance level of 5% t-table= 2.003 so that H<sub>0</sub> was rejected and H<sub>1</sub> was accepted. Thus, it can be concluded that the development of e-modules with a project-based learning approach is feasible and effective in learning.*

**Keywords:** *E-Module, conventional, Project Based Learning, IPAS*