

**PENGEMBANGAN *E-BOOK*
BERBASIS MODEL *PROBLEM BASED LEARNING*
PADA PELAJARAN IPAS MATERI AKU DAN KEBUTUHAN KU
KELAS IV DI SD NEGERI 1 SESETAN**

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ABSTRAK

Penelitian ini bertujuan (1) Untuk mengetahui rancang bangun *E-Book* berbasis *Problem Based Learning* pada pelajaran IPAS materi aku dan kebutuhanku, (2) Untuk mengetahui kelayakan *E-Book* berbasis *Problem Based Learning* pada pelajaran IPAS materi aku dan kebutuhanku, (3) Untuk mengetahui efektivitas *E-Book* berbasis *Problem Based Learning* pada pelajaran IPAS materi aku dan kebutuhanku kelas IV SD Negeri 1 Sesetan. Penelitian ini menggunakan model pengembangan ADDIE. Metode pengumpulan data dilaksanakan melalui metode tes berupa soal pilihan ganda untuk menilai hasil belajar siswa pada materi Aku dan kebutuhanku yang merupakan kebutuhan dasar manusia. Hasil penelitian pengembangan ini berupa (1) rancang bangun *E-Book* berbasis *Problem Based Learning* berdasarkan hasil penilaian ahli rancang bangun sebesar 90,90% yang dikategorikan sangat layak, (2) *E-Book* berbasis *Problem Based Learning* ini dinyatakan sangat layak berdasarkan hasil penilaian ahli isi pembelajaran sebesar 91,66% yang dikategorikan sangat layak, penilaian ahli desain pembelajaran sebesar 90% yang dikategorikan sangat layak, penilaian ahli media pembelajaran sebesar 90% dikategorikan sangat layak, uji coba perorangan sebesar 93,17%. yang dikategorikan sangat layak, dan uji coba kelompok kecil sebesar 93,68%. yang dikategorikan sangat layak, (3) berdasarkan uji t *sample dependent* diperoleh nilai $t_{hitung} = 24,029$ sedangkan nilai t_{tabel} pada taraf signifikansi 5% dan $dk = n_1 - 1 = 30 - 1 = 29$ diperoleh nilai $t_{tabel} = 2,002$. Hasil tersebut menunjukkan $t_{hitung} > t_{tabel}$ sehingga H_0 ditolak dan H_1 diterima. Maka dapat disimpulkan bahwa *E-Book* berbasis *Problem Based Learning* efektif diterapkan pada pelajaran IPAS materi aku dan kebutuhanku siswa kelas IVA SD Negeri 1 Sesetan.

Kata Kunci: pengembangan, *E-Book*, *Problem Based Learning*, pelajaran IPAS

DEVELOPMENT OF AN *E-BOOK*
BASED ON THE *PROBLEM-BASED LEARNING* MODEL
IN THE SCIENCE LESSON ON THE MATERIAL "ME AND MY NEEDS"
IN GRADE IV AT SD NEGERI 1 SESETAN

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ABSTRACT

This study aims to (1) determine the design of an e-book based on Problem-Based Learning in the science lesson on the topic "Me and My Needs," (2) determine the feasibility of an e-book based on Problem-Based Learning in the science lesson on the topic "Me and My Needs," (3) determine the effectiveness of an e-book based on Problem-Based Learning in the science lesson on the topic "Me and My Needs," in Grade IV at SD Negeri 1 Seseetan. This study used the ADDIE development model. Data collection was carried out using a multiple-choice test to assess student learning outcomes on the topic "Me and My Needs," which is a basic human need. The results of this development research are (1) the design of the Problem Based Learning-based E-Book based on the assessment results of the design expert of 90.90% which is categorized as very feasible, (2) The Problem Based Learning-based E-Book is stated to be very feasible based on the assessment results of the learning content expert of 91.66% which is categorized as very feasible, the assessment of the learning design expert of 90% which is categorized as very feasible, the assessment of the learning media expert of 90% which is categorized as very feasible, the individual trial of 93.17% which is categorized as very feasible, and the small group trial of 93.68% which is categorized as very feasible, (3) based on the dependent sample t test, the t-value is obtained = 24.029 while the t-table value at a significance level of 5% and $dk = n1 - 1 = 30 - 1 = 29$, the t-table value is obtained = 2.002. These results indicate that $t\text{-count} > t\text{-table}$ so that H_0 is rejected and H_1 is accepted. Therefore, it can be concluded that the Problem-Based Learning-based e-book is effective in the science lesson on "Me and My Needs" for fourth-grade students at SD Negeri 1 Seseetan.

Keywords: development, e-book, problem-based learning, science lesson