

ABSTRAK

**PENGEMBANGAN PERANGKAT PEMBELAJARAN DARING DENGAN MODEL
PROBLEM BASED LEARNING UNTUK MENINGKATKAN KARAKTER
TANGGUNG JAWAB PADA MUATAN IPA KELAS IV SD NEGERI DERESAN
YOGYAKARTA**

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Latar belakang penelitian ini adanya kebutuhan pengembangan perangkat pembelajaran daring muatan pelajaran IPA untuk meningkatkan karakter tanggung jawab dengan model *Problem Based Learning*. Tujuan penelitian untuk (1) mendeskripsikan prosedur pengembangan produk perangkat pembelajaran dengan model *Problem Based Learning* muatan pelajaran IPA materi sifat-sifat cahaya untuk peserta didik kelas IV; (2) mengetahui kualitas dari produk pengembangan perangkat muatan pelajaran IPA materi sifat-sifat cahaya dengan model *Problem Based Learning* untuk peserta didik kelas IV.

Jenis penelitian ini adalah *Research and Development* model ADDIE. Subjek penelitian adalah sepuluh peserta didik SD Negeri Deresan dan guru kelas IV SD. Objek penelitian ini adalah pengembangan produk perangkat pembelajaran. Pengumpulan data diperoleh dengan teknik wawancara, kuesioner, dan tes. Teknik analisis data menggunakan analisis data kualitatif dan kuantitatif.

Hasil penelitian ini menunjukkan kualitas perangkat pembelajaran yang dikembangkan mendapatkan nilai dan kategori dengan skala 1 sampai 4 yakni kurang, cukup, baik, dan sangat baik: (1) RPP mendapatkan nilai rata-rata 3,66 dengan kategori "SANGAT BAIK", (2) bahan ajar mendapat nilai rata-rata 3,7 dengan kategori "SANGAT BAIK", (3) media pembelajaran mendapat nilai rata-rata 3,5 dengan kategori "SANGAT BAIK", (4) LKPD mendapat nilai rata-rata 3,56 dengan kategori "SANGAT BAIK", dan (5) penilaian mendapat nilai rata-rata 3,83 dengan kategori "SANGAT BAIK".

Kata kunci: perangkat pembelajaran daring, pembelajaran berbasis masalah, karakter tanggung jawab, IPA.

ABSTRACT***DEVELOPMENT OF ONLINE LEARNING TOOLS WITH A PROBLEM-BASED LEARNING MODEL TO IMPROVE THE CHARACTER OF RESPONSIBILITY ON THE CONTENT OF SCIENCE GRADE IV SD NEGERI DERESAN YOGYAKARTA***

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The background of this research is the need to develop online learning tools for science lessons to improve the character of responsibility with the Problem Based Learning model. The research objectives are to (1) describe the procedure for developing learning device products with a Problem Based Learning model for the content of science lessons on the properties of light for fourth grade students; (2) to know the quality of the product development of science content learning materials on the properties of light with the Problem Based Learning model for fourth grade students.

This type of research is the Research and Development model ADDIE. The research subjects were ten students of SD Negeri Deresan and fourth grade elementary school teachers. The object of this research is the development of learning device products. Data collection was obtained by using interview, questionnaire, and test techniques. The data analysis technique used qualitative and quantitative data analysis.

The results of this study indicate that the quality of the learning tools developed get grades and categories with a scale of 1 to 4, namely less, sufficient, good, and very good: (1) lesson plans get an average value of 3.66 with the category "VERY GOOD", (2) teaching materials got an average score of 3.7 in the "VERY GOOD" category, (3) learning media got an average score of 3.5 with the "VERY GOOD" category, (4) LKPD got an average score of 3.56 with the "VERY GOOD" category, and (5) the assessment got an average score of 3.83 with the "VERY GOOD" category.

Keywords: *online learning tools, problem-based learning, responsibility character, science.*