

**PENGEMBANGAN PANDUAN ASSESSMENT FOR PROJECT  
LEARNING BERORIENTASI PHENOMENON BASED  
LEARNING UNTUK MENINGKATKAN KEMAMPUAN  
BERPIKIR KOMPUTASI SISWA KELAS  
IV SEKOLAH DASAR**

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**ABSTRAK**

Berpikir komputasi merupakan kemampuan berpikir untuk menyelesaikan suatu permasalahan secara menyeluruh, logis, dan teratur. Kurangnya perhatian terhadap asesmen pembelajaran yang menyebabkan rendahnya kemampuan berpikir komputasi peserta didik. Penelitian ini bertujuan untuk mengembangkan panduan *assessment for project learning* berorientasi *phenomenon based learning* untuk siswa kelas IV sekolah dasar pada mata pelajaran Matematika dan menganalisis validitas, kepraktisan, dan keefektifan panduan *assessment for project learning* berorientasi *phenomenon based learning*. Penelitian ini merupakan penelitian pengembangan dengan model ADDIE. Subjek pada penelitian ini diantaranya ahli asesmen pembelajaran, praktisi guru, dan siswa kelas IV. Penelitian ini menggunakan Teknik pengumpulan data yaitu kuisioner/angket dan tes. Teknik analisis data menggunakan analisis kualitatif dan kuantitatif. Hasil penelitian ini adalah hasil validasi oleh ahli asesmen pembelajaran memperoleh kualifikasi sangat baik, hasil uji kepraktisan oleh guru memperoleh kualifikasi sangat baik, dan hasil uji keefektifan panduan *assessment for project learning* berorientasi *phenomenon based learning* menunjukkan adanya perbedaan yang signifikan pada kemampuan berpikir komputasi siswa kelas IV pada mata pelajaran Matematika sebelum dan sesudah mengikuti pembelajaran dengan menggunakan panduan *assessment for project learning* berorientasi *phenomenon based learning*. Berdasarkan penelitian tersebut dapat disimpulkan bahwa panduan *assessment for project learning* berorientasi *phenomenon based learning* efektif digunakan karena panduan *assessment* pembelajaran ini dapat membantu guru dalam melaksanakan asesmen pembelajaran. Implikasi dari penelitian ini adalah untuk meningkatkan kemampuan berpikir komputasi siswa kelas IV sekolah dasar pada mata pelajaran matematika.

**Kata Kunci:**

Panduan *assessment for learning*, Kemampuan berpikir komputasi, *Phenomenon based learning*

**GUIDELINES DEVELOPMENTASSESSMENT FOR PROJECT  
LEARNING ORIENTEDPHENOMENON BASED LEARNING TO  
IMPROVE ABILITY COMPUTATIONAL THINKING OF GRADE  
IV PRIMARY SCHOOL STUDENTS**

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**ABSTRACT**

*Computational thinking is the ability to think to solve a problem in a comprehensive, logical and orderly manner. Lack of attention to learning assessment causes students' low computational thinking abilities. This research aims to develop guidelines assessment for project learning oriented phenomenon based learning for fourth grade elementary school students in Mathematics and analyze the validity, practicality and effectiveness of the guide assessment for project learning oriented phenomenon based learning. This research is development research using the ADDIE model. The subjects in this research included learning assessment experts, teacher practitioners, and fourth grade students. This research uses data collection techniques, namely questionnaires and tests. Data analysis techniques use qualitative and quantitative analysis. The results of this research are the results of validation by learning assessment experts who obtained very good qualifications, the results of the practicality test by teachers who obtained very good qualifications, and the results of the effectiveness test of the guide assessment for project learning oriented phenomenon based learning shows that there is a significant difference in the computational thinking abilities of fourth grade students in Mathematics before and after taking part in learning using a guide assessment for project learning oriented phenomenon based learning. Based on this research, it can be concluded that the guide assessment for project learning oriented phenomenon based learning It is effective to use because this learning assessment guide can help teachers in carrying out learning assessments. The implication of this research is to improve the computational thinking skills of fourth grade elementary school students in mathematics subjects.*

**Keywords:**

*Assessment Guide For Learning, Computational Thinking Skills, Phenomenon Based Learning*