

**ABSTRAK**

**PENGEMBANGAN MODUL PRAKTIKUM IPA SEBAGAI SUPLEMEN  
KURIKULUM 2013 UNTUK MENDORONG SISWA KELAS IV  
BERPIKIR KRITIS**

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Penelitian ini berawal dari kebutuhan guru dan siswa akan modul pembelajaran yang mengacu Kurikulum 2013 untuk siswa kelas IV Sekolah Dasar. Peneliti melakukan observasi, wawancara dan kuesioner untuk menganalisis kebutuhan tersebut. Tujuan utama dari penelitian ini adalah menghasilkan suatu produk berupa modul praktikum IPA sebagai suplemen kurikulum 2013 untuk mendorong berpikir kritis siswa SD kelas IV. Modul praktikum tersebut diuji cobakan secara terbatas sebanyak dua kali di kelas IV, pertama di SD Negeri 1 Bareng Lor Klaten dengan jumlah responden 4 siswa dan di SD Kanisius Sengkan dengan jumlah responden 31 siswa. Jenis penelitian ini adalah *research and development* (R&D) yang menggunakan prosedur pengembangan Sugiyono tetapi hanya sampai langkah ke 7.

Hasil penelitian berdasarkan validasi produk oleh Guru kelas IVB SD Kanisius Sengkan Yogyakarta, 4 siswa kelas IV SDN 1 Bareng Lor Klaten, 31 siswa kelas IVB SD Kanisius Sengkan Yogyakarta dari keseluruhan hasil validasi tersebut, diperoleh rata-rata skor 3,50 dengan kategori “sangat layak”. Dengan demikian, produk yang dikembangkan dapat dikatakan sangat layak untuk digunakan sebagai bahan ajar untuk siswa kelas IV SD pada mata pelajaran IPA yang mengacu kurikulum 2013.

Berdasarkan hasil observasi yang dilakukan selama uji coba modul praktikum IPA di SD Negeri 1 Bareng Lor Klaten dan SD Kanisius Sengkan Yogyakarta, terlihat bahwa siswa terdorong untuk berpikir kritis saat kegiatan praktikum. Di SDN 1 Bareng Lor Klaten terdapat 1 siswa yang bertanya dan di SD Kanisius Sengkan terdapat 1 siswa yang bertanya dan 1 siswa lagi bercerita tentang pengalamannya. Observasi yang dilakukan peneliti dilakukan berdasarkan indikator-indikator berpikir kritis.

**Kata kunci:** modul, praktikum IPA, kurikulum 2013, berpikir kritis.

**ABSTRACT**

***THE DEVELOPMENT OF MODULE PRACTICAL WORK OF SCIENCE  
BASED ON THE 2013 CURRICULUM TO ENCOURAGE THE CRITICAL  
THINKING FOR THE FOURTH GRADE OF ELEMENTARY SCHOOL***

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*This research began from the teacher and student's need about module for learning, which based on the 2013 curriculum for student of 4<sup>th</sup> grade of elementary school. The researcher used observation, interview and questionnaire to analyze that the teacher and students need. The aim of the research was to produce practical work module based on the 2013 curriculum to encourage the critical thinking student of 4<sup>th</sup> grade of elementary school. Then that module has limited trial design in two times for student of 4<sup>th</sup> grade, first is small trial in Bareng Lor Klaten elementary school with the respondent is 4 students and then is class trial in Kanisius Sengkan elementary school with the respondent in 31 students. The method of the research is Research and Development that use Sugiyono development model, the researcher use just until step-7.*

*The result of validation product by specialist of language, specialist of science, teacher of 4<sup>th</sup> grade in Kanisius Sengkan elementary school, four students of 4<sup>th</sup> grade in Bareng Lor Klaten elementary school, thirtieth students of 4<sup>th</sup> grade in Kanisius Sengkan elementary school, from that all validation got score of the average is 3.50 means "very suitable". The conclusion is the practical work module that researcher product show the category is very suitable to use as material lesson for student of 4<sup>th</sup> grade of elementary school to science lesson that based on the 2013 curriculum.*

*The result of observation that the researcher did during the practical work module used in Bareng Lor Klaten elementary school and Kanisius Sengkan elementary school, visibly that the student shoved to critical thinking when the practical work. In the Bareng Lor Klaten elementary school there is one student that ask and in Kanisius Sengkan elementary school there is one students that ask and one again tell the story that from his experience. The observation that researcher did based on indicators of critical thinking.*

**Keywords:** *module, practical work of science, curriculum 2013, critical thinking.*