

PENGEMBANGAN MODUL IPA TERPADU BERBASIS *PROBLEM BASED LEARNING* DENGAN TEMA JAJANAN

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ABSTRAK

Penelitian ini bertujuan mendeskripsikan dan menjelaskan karakteristik, kevalidan, kepraktisan, dan keterbacaan modul IPA terpadu berbasis *Problem Based Learning* dengan tema jajanan. Jenis penelitian ini adalah penelitian dan pengembangan (R&D) dengan menggunakan model pengembangan 4D yang terdiri dari *define, design, develop* dan *disseminate*. Penelitian pengembangan ini hanya dilakukan sampai tahap *develop*. Tahap *develop* yang dilakukan terdiri dari tiga uji produk yaitu uji kevalidan oleh ahli, uji kepraktisan oleh guru, dan uji keterbacaan oleh siswa. Instrumen pengumpulan data yang digunakan adalah lembar observasi, angket analisis kebutuhan guru, angket kevalidan, angket kepraktisan dan angket keterbacaan. Subjek penelitian melibatkan 2 orang ahli Pendidikan IPA untuk uji kevalidan, lima orang guru IPA untuk uji kepraktisan, dan 10 orang siswa kelas VIII di SMP Negeri 2 Gianyar untuk uji keterbacaan. Jenis data penelitian yang diperoleh yaitu data kuantitatif dan kualitatif. Data hasil penelitian dianalisis secara deskriptif. Karakteristik modul IPA terpadu yang dikembangkan menggunakan model pembelajaran *Problem Based Learning*, keterpaduan *connected*, disajikan dalam bentuk cetak dan pdf. Hasil pengembangan modul diperoleh hasil uji kevalidan dengan skor sebesar 0,95 (validitas sangat tinggi). Hasil uji kepraktisan memperoleh rata-rata skor sebesar 4,48 (sangat praktis). Hasil uji keterbacaan memperoleh rata-rata sebesar 4,25 (sangat terbaca). Berdasarkan temuan hasil penelitian, modul IPA terpadu berbasis *problem based learning* dengan tema jajanan dapat diuji ke tahap selanjutnya yaitu uji keefektifan produk.

Kata kunci: Modul IPA Terpadu, *Problem Based Learning*, Jajanan

**DEVELOPMENT OF INTEGRATED IPA MODULE BASED ON PROBLEM
BASED LEARNING WITH SNACKS THEME**

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ABSTRACT

This study aims to describe and explain the characteristics, validity, practicality, and legibility of integrated science modules based on Problem Based Learning with the theme of snacks. This type of research is research and development (R&D) using a 4D development model consisting of define, design, develop and disseminate. This development research is only carried out until the develop stage. The develop stage consists of three product tests, namely validity tests by experts, practicality tests by teachers, and readability tests by students. The data collection instruments used were observation sheets, teacher needs analysis questionnaires, validity questionnaires, practicality questionnaires and readability questionnaires. The research subjects involved 2 science education experts for the validity test, five science teachers for the practicality test, and 10 grade VIII students at SMP Negeri 2 Gianyar for the readability test. The types of research data obtained are quantitative and qualitative data. The research data were analyzed descriptively. The characteristics of the integrated science module developed using the Problem Based Learning learning model, connected integration, are presented in print and pdf form. The results of the module development obtained validity test results with a score of 0.95 (very high validity). The results of the practicality test obtained an average score of 4.48 (very practical). The results of the readability test obtained an average of 4.25 (very legible). Based on the findings of the research, the integrated science module based on problem based learning with the theme of snacks can be tested to the next stage, namely testing the effectiveness of the product.

Keywords: *Integrated Science Module, Problem Based Learning, Snacks*