

**PENGEMBANGAN MODUL IPA BERBASIS INKUIRI TERBIMBING
BERBANTUAN *MIND MAPPING* PADA TOPIK KLASIFIKASI MATERI
DAN PERUBAHANNYA UNTUK SISWA SMP/MTs KELAS VII**

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ABSTRAK

Penelitian ini bertujuan mengembangkan dan menganalisis validitas, kepraktisan dan keterbacaan Modul IPA Berbasis Inkuiri Terbimbing Berbantuan *Mind Mapping* pada Topik Klasifikasi Materi dan Perubahannya untuk Siswa SMP/MTs Kelas VII. Jenis penelitian ini adalah *Research and Development (R&D)* dengan menggunakan model pengembangan 4D oleh Thiagarajan yang terdiri atas tahap *define, design, develop, dan dessiminate*. Penelitian ini dibatasi sampai tahap *develop*. Subjek dalam penelitian ini meliputi 2 orang dosen ahli Pendidikan IPA, 3 orang guru IPA dan 10 orang siswa SMP kelas VII di SMP Sw Bunda Mulia Silimakuta. Instrumen pengumpulan data yang digunakan adalah angket terdiri atas angket validitas ahli, angket kepraktisan guru dan angket keterbacaan siswa. Data yang diperoleh dianalisis secara deskriptif. Hasil uji validitas diolah dengan menggunakan rumus Gregory, sedangkan hasil uji kepraktisan dan keterbacaan diolah dengan menggunakan rumus rata-rata. Hasil penelitian menunjukkan bahwa: (1) hasil uji validitas oleh ahli menunjukkan kualifikasi validitas sangat tinggi dengan skor 1; (2) hasil uji kepraktisan oleh guru menunjukkan kualifikasi sangat praktis dengan skor 4,57; (3) hasil uji keterbacaan oleh siswa menunjukkan kualifikasi sangat terbaca dengan skor 4,52. Berdasarkan hasil uji validitas, kepraktisan dan keterbacaan maka Modul IPA Berbasis Inkuiri Terbimbing Berbantuan *Mind Mapping* pada Topik Klasifikasi Materi dan Perubahannya untuk Siswa SMP/MTs Kelas VII dinyatakan valid, praktis, terbaca dan dapat diteruskan pada uji efektivitas.

Kata Kunci: modul IPA, inkuiri terbimbing, *mind mapping*

**DEVELOPMENT OF SCIENCE MODULES BASED ON GUIDED
INQUIRY WITH THE ASSISTANCE OF MIND MAPPING ON THE
TOPICS OF MATERIAL CLASSIFICATION AND ITS CHANGES FOR
STUDENTS OF SMP/MTs CLASS VII**

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ABSTRACT

This research aims to develop and analyze the validity, practicality, and readability of the Science Module Based on Guided Inquiry Assisted by Mind Mapping on the Topic of Classification of Material and Its Changes for Grade VII Middle School/MTs Students. This type of research is Research and Development (R&D) using Thiagarajan's 4D development model which consists of defining, designing, developing, and disseminating stages. This research is limited to the development stage. The subjects in this research included 2 science education expert lecturers, 3 science teachers, and 10 seventh-grade junior high school students at Sw Bunda Mulia Silimakuta Middle School. The data collection instrument used was a questionnaire consisting of an expert validity questionnaire, a teacher practicality questionnaire, and a student readability questionnaire. The data obtained were analyzed descriptively. The validity test results were processed using the Gregory formula, while the practicality and readability test results were processed using the average formula. The results of the study show that: (1) the results of the validity test by experts indicate a very high validity qualification with a score of 1; (2) the results of the practicality test by the teacher show a very practical qualification with a score of 4.57; (3) the results of the readability test by students showed a very readable qualification with a score of 4.52. Based on the results of the validity, practicality, and readability tests, the Science Module Based on Guided Inquiry Assisted by Mind Mapping on the Topic of Classification of Material and Its Changes for Class VII Middle School/MTs Students is declared valid, practical, legible and can be continued for the effectiveness test.

Keywords: *science module, guided inquiry, mind mapping*