

**PENGEMBANGAN LKPD IPA BERBASIS INKUIRI TERBIMBING
UNTUK SISWA SMP KELAS VIII PADA MATERI TEKANAN ZAT DAN
PENERAPANNYA DALAM KEHIDUPAN SEHARI-HARI**

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ABSTRAK

Penelitian ini bertujuan untuk mendeskripsikan dan menjelaskan (1) karakteristik, (2) validitas, (3) kepraktisan, (4) keterbacaan LKPD. Jenis penelitian ini adalah penelitian pengembangan (*research and development*) dengan menggunakan model pengembangan 4D (*Define, Design, Develop, and Disseminate*) dari Thiagarajan dan pada penelitian ini dibatasi sampai tahap develop (uji keterbacaan). Subjek dalam penelitian ini melibatkan 2 orang ahli dosen pendidikan IPA untuk uji validitas, 5 orang guru IPA untuk uji kepraktisan produk, dan 10 orang peserta didik kelas VIII di SMP N 1 dan SMP N 5 Bangli untuk uji keterbacaan. Data hasil penelitian dianalisis secara deskriptif. Hasil penelitian menunjukkan bahwa (1) karakteristik LKPD IPA yaitu mengacu pada model inkuiri terbimbing, disajikan fenomena dalam kehidupan sehari-hari, dilengkapi dengan ilustrasi percobaan, petunjuk penggunaan, peta konsep, format penulisan laporan, dan dilengkapi ikon gambar dan desain yang menarik. (2) LKPD sangat valid dengan skor rata-rata 0,96. (3) LKPD sangat praktis dengan skor rata-rata 3,6. (4) LKPD sangat terbaca dengan skor rata-rata 4,6. Berdasarkan hasil penelitian, dapat disimpulkan bahwa produk LKPD IPA berbasis inkuiri terbimbing pada materi tekanan zat dan penerapannya dalam kehidupan sehari-hari dinyatakan valid, praktis, terbaca, dan dapat dilanjutkan pada tahap berikutnya yaitu uji keefektifan produk.

Kata Kunci: *LKPD, inkuiri terbimbing, tekanan zat*

**DEVELOPMENT OF GUIDED INQUIRY-BASED SCIENCE THE
STUDENT WORKSHEET FOR CLASS VIII MIDDLE SCHOOL
STUDENTS ON PRESSURE OF SUBSTANCE AND ITS APPLICATION IN
DAILY LIFE**

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ABSTRACT

This study aims to describe and explain (1) characteristics, (2) validity, (3) practicality, and (4) readability of student worksheets. This research type uses the 4D development model (Define, Design, Develop, and Disseminate) from Thiagarajan. This study is limited to the development stage (readability test). The subjects in this study involved two science education lecturer experts for validity testing, five science teachers for product practicality testing, and ten students in grade VIII at SMP N 1 and SMP N 5 Bangli for readability testing. The research data were analysed descriptively. The results showed that (1) the characteristics of the science of student worksheets refer to the guided inquiry model, presenting phenomena in everyday life, equipped with experimental illustrations, instructions for use, concept maps, report writing formats, and image icons and attractive designs. (2) The student worksheet is very valid, with an average score of 0.96. (3) The student worksheet is very practical with an average score of 3.6. (4) The student worksheet is very legible with an average score of 4.6. Based on the results of the study, it can be concluded that the guided inquiry-based the student worksheet science product on the material of substance pressure and its application in everyday life is declared valid, practical, legible, and can be continued at the next stage, namely the product effectiveness test.

Keywords: the student worksheet, guided inquiry, substance pressure