

## ABSTRAK

### PENGEMBANGAN BUKU PANDUAN PRAKTIKUM BIOLOGI SMP KELAS VIII SEMESTER GASAL PADA MATERI SISTEM PERNAPASAN MANUSIA BERBASIS INKUIRI TERBIMBING

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Survey kebutuhan di 4 (empat) sekolah di Yogyakarta menunjukkan bahwa penggunaan pendekatan kontekstual dan inkuiri terbimbing dilakukan agar peserta didik lebih mudah dalam memahami materi dihadapkan langsung dengan apa yang dipelajari dan bisa berpikir kreatif dan inovatif, karena dengan menemukan, materi akan lebih lama tersimpan dalam memori peserta didik. Tujuan dari penelitian ini adalah 1) Untuk mengetahui media pembelajaran apa saja yang digunakan guru pada materi sistem pernapasan manusia, 2) mengembangkan buku panduan praktikum biologi SMP Kelas VIII dengan pendekatan kontekstual berbasis inkuiri terbimbing, 3) Untuk mengetahui kualitas buku panduan praktikum yang dikembangkan sebagai media pembelajara pada materi sistem perapasa manusia.

Hasil survey kebutuhan dari 4 guru biologi SMP menunjukkan adanya kebutuhan media pada materi sistem pernapasan manusia unuk kelas VIII agar lebih mudah dalam memahami materi dan diingat lebih lama. Penelitian ini merupakan jenis penelitian dan pengembangan yang diadaptasi dari langkah-langkah pengembangan Sugiyono (2015 ) dengan pembatasan sampai pada 5 (lima) langkah pengembangan yaitu (1) potensi dan masalah, (2) pengumpulan data, (3) desain produk, (4) validasi desain, (5) revisi desain.

Hasil penelitian yang diperoleh dari validasi oleh ahli materi dan ahli media menunjukkan nilai rata-rata 2,93 dengan kriteria “Baik” dengan kesimpulan produk yang dikembangkan layak untuk diujicobakan dengan perbaikan sesuai saran. Berdasarkan hasil penelitian disimpulkan bahwa buku panduan praktikum biologi SMP kelas VIII dengan pendekatan kontekstual berbasis inkuiri terbimbing yang dikembangkan layak untuk diujicobakan.

**Kata Kunci :** media pembelajaran, *research and development*, buku panduan praktikum berbasis inkuiri terbimbing pada materi sistem pernapasan manusia.

## ABSTRACT

*DEVELOPMENT OF THE BIOLOGICAL GUIDE OF BIOLOGY PRACTICUM  
CLASS VIII GASAL SEMESTER IN HUMAN BREATHING SYSTEM BASED IN  
GUIDED INQUIRY*

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*The needs survey in 4 (four) schools in Yogyakarta showed that the use of contextual approaches and guided inquiry was carried out so that students could more easily understand the material, faced directly with what was learned and could think creatively and innovatively, because by finding, the material would last longer memory of learners. The purpose of this study was to develop a biology practicum manual for Class VIII Junior High School with a contextual approach based on guided inquiry that can help teachers in the learning process and to achieve the 2013 curriculum, which is to provide opportunities for the creativity of students in stimulating activity procedure skills. The results of the needs survey of 4 junior high school biology teachers showed that there was a need for media in the human respiratory system material for class VIII to make it easier to understand the material and to remember it longer.*

*This research is a type of research and development adapted from the development steps of Sugiyono (2015) with restrictions up to 5 (five) development steps, namely (1) potential and problems, (2) data collection, (3) product design, (4) design validation, (5) design revision.*

*The results of the research obtained from the validation by material experts and media experts showed an average value of 2.93 with the criteria "Good" with the conclusion that the product developed was feasible to be tested with improvements according to suggestions. Based on the results of the study, it was concluded that the biology lab manual for grade VIII Junior High School with a contextual approach based on guided inquiry developed was feasible to be tested.*

**Keywords:** *learning media, research and development, practical guide book based on guided inquiry on the material of the human respiratory system*