

**PENGEMBANGAN MEDIA PEMBELAJARAN BERBASIS *FLIPBOOK*
PADA MATERI SISTEM EKSKRESI UNTUK MENINGKATKAN
LITERASI SAINS SISWA KELAS XI SMA**

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ABSTRAK

Penelitian ini bertujuan untuk mengetahui rancang bangun, validitas dan kepraktisan dari media pembelajaran berbasis *flipbook* pada materi sistem eksresi untuk meningkatkan literasi sains siswa kelas XI SMA. Jenis penelitian ini adalah penelitian pengembangan dengan mengacu pada model pengembangan ADDIE yang meliputi tahap analisis (*analyze*), tahap perancangan (*design*), tahap pengembangan (*development*), tahap implementasi (*implementation*), dan tahap evaluasi (*evaluation*). Uji validitas dilakukan oleh 2 orang ahli yaitu ahli media dan ahli materi. Uji kepraktisan melibatkan 3 orang guru biologi dan 12 orang siswa di SMA Negeri 1 Kintamani. Siswa tersebut dibedakan berdasarkan kemampuan yang dimiliki yaitu 4 orang siswa berkemampuan tinggi, 4 siswa berkemampuan sedang, dan 4 siswa berkemampuan rendah. Analisis data dilakukan secara deskriptif kualitatif dan kuantitatif. Hasil penelitian menunjukkan rancang bangun yang disusun menghasilkan produk media pembelajaran berbasis *flipbook* pada materi sistem eksresi untuk meningkatkan literasi sains siswa, validitas media pembelajaran berbasis *flipbook* sebesar 84,4% dengan kriteria sangat valid, dan kepraktisan *flipbook* sebesar 90,6% dengan kriteria sangat praktis. Berdasarkan hasil penelitian tersebut, *flipbook* yang dikembangkan sangat valid dan sangat praktis sebagai media pembelajaran pada materi sistem eksresi untuk meningkatkan literasi sains siswa kelas XI SMA.

Kata kunci: *Flipbook*, Literasi Sains, rancang bangun, validitas, dan kepraktisan

**THE DEVELOPMENT OF FLIPBOOK-BASED LEARNING MEDIA ON
EXCRETORY SYSTEM MATERIALS TO IMPROVE SCIENCE
LITERACY OF CLASS XI SENIOR HIGH SCHOOL STUDENTS**

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ABSTRACT

The aims of this study are determin the design, validity and practicability of flipbook-based learning media on excretory system materials to improve science literacy of class XI senior high school students. The type of this research is development research according to the ADDIE development model which includes five stages of development such as analysis, design, development, implementation, and evaluation stages. The validity test was done by 2 experts, expert of media and expert of material. The practicability test involved 3 biology teachers and 12 students at Senior High School Number 1 Kintamani. The students were distinguished based on their learning abilities, such as 4 students with high learning abilities, 4 students with moderate learning abilities, and 4 students with low learning abilities. The data was analyzed by descriptive qualitative and descriptive quantitative metode. The results showed that the design that was compiled produced flipbook-based learning media products on the excretory system material to improve science literacy of class XI senior high school students, the validity of flipbook-based learning media obtained the score of 84.4% are categorized as very valid, and flipbook practicability obtained the score of 90.6% are categorized as very practical. Based on the results of this development research, the flipbook is very valid and very practical as a learning media for the excretory system materials to improve scientific literacy of class XI senior high school students.

Keywords: flipbook, scientific literacy, design, validity, and practicability