

ABSTRAK**PENGEMBANGAN MEDIA *POP-UP SCRAPBOOK* BERBANTUAN *QR CODE*
PADA MATERI SISTEM REPRODUKSI MANUSIA KELAS XI SMA**

Novia Anggreni

161434031

Analisis kebutuhan yang dilakukan di lima SMA menunjukkan bahwa jenis media pembelajaran yang digunakan oleh guru Biologi masih terbatas. Berdasarkan hasil analisis kebutuhan, menunjukkan bahwa adanya kebutuhan terhadap media pembelajaran yang dapat meningkatkan motivasi peserta didik terutama pada materi sistem reproduksi manusia yang sulit dipahami karena bersifat abstrak. Media *Pop-up scrapbook* berbantuan *QR Code* menjadi salah satu alat bantu peserta didik dalam memahami materi sistem reproduksi manusia. Tujuan penelitian adalah mengetahui media yang digunakan guru pada materi Sistem Reproduksi Manusia sebagai panduan dalam mengembangkan media pembelajaran dan untuk mengetahui kualitas media *Pop-up scrapbook* berbantuan *QR Code* yang dikembangkan pada materi Sistem Reproduksi Manusia.

Penelitian media pembelajaran *Pop-up scrapbook* berbantuan *QR Code* menggunakan metode *Research and Development (RnD)* dan menggunakan 5 dari 10 tahapan pengembangan media yang dikemukakan *Borg and Gall*. Langkah-langkah pengembangan media yaitu (1) potensi dan masalah, (2) pengumpulan data, (3) desain produk, (4) validasi desain produk, (5) revisi desain produk. Validasi produk dilakukan oleh ahli media, ahli materi, dan dua guru biologi kelas XI. Data yang diperoleh diolah menggunakan analisis kuantitatif dan kualitatif.

Hasil penelitian yang diperoleh dari ke empat ahli menunjukkan bahwa media pembelajaran *Pop-up scrapbook* berbantuan *QR Code* layak diujicobakan dalam skala terbatas dengan rerata 3,52 dan masuk ke dalam kategori “Sangat Baik”. Berdasarkan data yang diperoleh dapat disimpulkan bahwa media *Pop-up scrapbook* berbantuan *QR Code* layak diujicobakan dalam skala terbatas.

Kata kunci: Media pembelajaran, *pop-up scrapbook* berbantuan *QR Code*, sistem reproduksi manusia, kelas XI, *research and development*.

ABSTRACT***THE DEVELOPMENT OF QR CODE-ASSISTED POP-UP SCRAPBOOK TO TEACH REPRODUCTIVE SYSTEM FOR ELEVENTH GRADE STUDENTS***

Novia Anggreni

161434031

The need analysis conducted in five senior high schools showed that the learning media type used by Biology teachers is still limited. The result of the need analysis showed the need for learning media that can help and improve the students' motivation, especially the material of the human reproductive system that is difficult to be understood. Medium QR Code-assisted Pop-up scrapbook is one of media for students to understand human reproductive system material and this medium became a research by researche. This study aimed to know the media used in the material of the human reproductive system as a guide in developing learning media and the quality of QR Code-assisted Pop-up scrapbook developed for the material of the human reproductive system.

The study of QR Code-assisted Pop-up scrapbook as a learning media used Research and Development (RnD) method and 5 out of 10 stages of media development suggested by Borg and Gall. The stages for media development were (1) potential and problem, (2) data collection, (3) product design, (4) product design validation, (5) product design revision. Product validation was conducted by a media expert, a material expert, and two biology teachers of class XI. The collected data were processed using quantitative and qualitative analysis.

The result from four experts showed that the QR Code-assisted Pop-up scrapbook as a learning media was feasible on a limited scale with a mean of 3.52 and categorized as "Very Good". Based on the collected data, it can conclude that the QR Code-assisted Pop-up scrapbook as a learning media was feasible based on the improvement according to be tested on a limited scale.

Keywords: *Learning Media, QR Code-assisted pop-up scrapbook, Human Reproductive System, Class XI, Research and Development*