

ABSTRAK

Indah Rizka Apriliani. Pengembangan *E-booklet* Sistem Pernapasan Manusia Sebagai Sumber Belajar Siswa SMA Kelas XI Di MAS Al-Washliyah 12 Perbaungan

Tujuan dari penelitian ini adalah untuk menilai kelayakan *E-booklet* tentang sistem pernapasan manusia dengan mengevaluasi pendapat para ahli di bidang materi, media, dan pembelajaran. Selain itu penelitian ini bertujuan untuk mengukur respon guru terhadap *E-booklet* sistem pernapasan manusia dan mengukur efektivitas belajar siswa di MAS Al-Washliyah 12 Perbaungan. Penelitian dilakukan di MAS Al-Washliyah 12 Perbaungan. Populasi penelitian ini adalah seluruh siswa kelas XI MIA MAS Al-Washliyah 12 Perbaungan yang berjumlah 49 orang. Pengambilan sampel, dengan memakai teknik *total sampling*. Penelitian ini menggunakan penelitian dan pengembangan (R&D) dan menggunakan pendekatan kualitatif deskriptif analitis. Penelitian menggunakan lembar validasi, angket analisis kebutuhan sumber belajar, angket jawaban, dan penilaian formatif sebagai instrumen. Hasil penelitian menunjukkan bahwa sumber belajar *E-booklet* Sistem Pernapasan Manusia sangat valid, dibuktikan dengan tingginya persentase hasil validasi dari ahli media (sangat layak), ahli materi sebesar (sangat layak) dan ahli pembelajaran (sangat baik). Siswa dan guru telah memberikan tanggapan positif mengenai sumber belajar berupa *E-booklet*. Rata-rata persentase jawaban siswa (sangat setuju), dan tanggapan guru (sangat setuju).

Kata kunci: *E-booklet*, sistem pernapasan manusia



ABSTRACT

Indah Rizka Apriliani. Development of the Human Respiratory System *E-booklet* as a Learning Resource for Class XI High School Students at MAS Al-Washliyah 12 Perbaungan

The purpose of this study was to assess the feasibility of the *E-booklet* on the human respiratory system by evaluating the opinions of experts in the fields of material, media, and learning. In addition, this study aims to measure teacher responses to the *E-booklet* on the human respiratory system and measure the effectiveness of student learning at MAS Al-Washliyah 12 Perbaungan. The study was conducted at MAS Al-Washliyah 12 Perbaungan. The population of this study was all students of class XI MIA MAS Al-Washliyah 12 Perbaungan totaling 49 people. Sampling, using the total sampling technique. This study uses research and development (R&D) and uses a qualitative descriptive analytical approach. The study used validation sheets, learning resource needs analysis questionnaires, answer questionnaires, and formative assessments as instruments. The results of the study showed that the Human Respiratory System *E-booklet* learning resource was very valid, as evidenced by the high percentage of validation results from media experts (very feasible), material experts (very feasible) and learning experts (very good). Students and teachers have given positive responses to learning resources in the form of *E-booklet*. Average percentage of student answers (strongly agree), and teacher responses (strongly agree).

Key words: *E-booklet*, human respiratory system

