

ABSTRAK

Anta Maida Simbolon, NIM 4182141023 (2022). Pengembangan *E-Booklet* Keanekaragaman Tumbuhan Obat Di Kecamatan Harian Sebagai Sumber Belajar Siswa SMA Kelas X Pada Materi Keanekaragaman Hayati.

Penelitian Pengembangan *E-booklet* Keanekaragaman Tumbuhan Obat di Kecamatan Harian Sebagai Sumber Belajar Siswa SMA Kelas X Pada Materi Keanekaragaman Hayati ini bertujuan untuk merancang, menghasilkan, dan mengetahui kelayakan dari *E-booklet* Keanekaragaman Tumbuhan Obat di Kecamatan Harian. Jenis penelitian ini adalah penelitian pengembangan (*Research and Development*) dengan desain penelitian menggunakan model pengembangan 4-D (*define, design, develop, disseminate*). Subjek dalam penelitian ini adalah Ahli materi, ahli media, guru bidang studi biologi, dan siswa kelas X SMA Negeri 1 Pangururan yang berjumlah 30 orang. Pengumpulan data dilakukan dengan instrument berupa lembar penilaian validasi ahli materi, ahli media, penilaian guru, dan respon siswa. Teknik analisis data menggunakan deskriptif kuantitatif dan kualitatif. Hasil penelitian menunjukkan bahwa *e-booklet* keanekaragaman tumbuhan obat yang sudah dikembangkan berdasarkan hasil penilaian ahli materi diperoleh persentase rata-rata 87.5 % dengan kriteria sangat layak, penilaian ahli media diperoleh persentase rata-rata 95.5 % dengan kriteria sangat layak, penilaian guru bidang studi biologi diperoleh persentase rata-rata 67.1 % dengan kriteria layak, dan respon siswa diperoleh persentase 96.3 % dengan kriteria sangat layak dan dapat digunakan dalam pembelajaran. *E-booklet* keanekaragaman tumbuhan obat di kecamatan harian pada materi keanekaragaman hayati yang telah dikembangkan memperoleh kriteria “Sangat Layak” dan sudah memenuhi persyaratan kelayakan digunakan sebagai sumber belajar dalam proses pembelajaran Biologi pada materi Keanekaragaman Hayati pada kelas X SMA.

Kata kunci: Pengembangan *e-booklet*, model 4-D, tumbuhan obat, keanekaragaman hayati.

ABSTRACT

Anta Maida Simbolon, NIM 4182141023 (2022). Development of an E-Booklet on the Diversity of Medicinal Plants in Harian District as a Learning Resource for Class X High School Students on Biodiversity Materials.

This study aims to design, produce, and determine the feasibility of the E-booklet on the Diversity of Medicinal Plants in Harian District on Biodiversity Materials. This type of research is research and development with research design using a 4-D development model (Define, Design, Develop, Disseminate). The subjects in this study were material experts, media experts, teachers of biology studies, and 30 students of class X SMA Negeri 1 Pangururan. Data collection was carried out with instruments in the form of material expert validation assessment sheets, media experts, teacher assessments, and student responses. The data analysis technique used quantitative and qualitative descriptive. The results showed that the E-booklet of the diversity of medicinal plants that had been developed based on the results of the material expert assessment obtained an average percentage of 87.5% with very feasible criteria, media expert assessment obtained an average percentage of 95.5% with very feasible criteria, the assessment of teachers in the field of biology studies obtained an average percentage of 67.1% with proper criteria, and student responses obtained a percentage of 96.3% with very feasible criteria and can be used in learning. The e-booklet on the diversity of medicinal plants in the daily sub-district on the biodiversity material that has been developed obtains the "Very Eligible" criteria and has met the eligibility requirements to be used as a learning resource in the Biology learning process on Biological Diversity material in class X SMA.

Keywords: Development of e-booklet, 4-D model, medicinal plants, biodiversity.