

Virdana Paduwinata. 2023. *Pengembangan E-Booklet Berbasis Literasi Sains Disertai Mind Mapping pada Materi Sistem Pencernaan Manusia*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Dosen Pembimbing Ana Yuniasti Retno Wulandari, S.Pd., M.Pd.

ABSTRAK

E-Booklet berbasis literasi sains disertai *mind mapping* merupakan bentuk keberagaman produk pembelajaran yang dapat diselaraskan dengan perkembangan teknologi dan informasi. Tujuan penelitian ini adalah untuk mengetahui kelayakan, respons, dan keterbacaan *e-booklet* berbasis literasi sains disertai *mind mapping* pada materi sistem pencernaan manusia. Jenis penelitian merupakan penelitian pengembangan dengan model ADDIE tanpa fase implementasi. Penelitian dilaksanakan di UPTD SMPN 5 Bangkalan tahun ajaran 2022/2023. Subjek penelitian meliputi kelas VIII-A dengan 31 siswa dan kelas VIII-B dengan 13 siswa. Berdasarkan penelitian yang telah dilakukan dapat disimpulkan: (1) Hasil rata-rata penilaian uji kelayakan aspek media adalah validitas 1 dengan kategori valid, reliabilitas 92,2% dengan kategori sangat reliabel dan aspek materi adalah validitas 0,99 dengan kategori valid, reliabilitas 100% dengan kategori sangat reliabel. (2) Hasil rata-rata penilaian respons siswa terhadap *e-booklet* pada uji perorangan sebesar 89,2%; uji kelompok kecil sebesar 95,15%; dan uji kelompok besar sebesar 90,5% dengan masing-masing memperoleh kategori sangat baik. (3) Hasil rata-rata penilaian keterbacaan *e-booklet* pada uji perorangan sebesar 78,7%; uji kelompok kecil sebesar 97,9%; dan uji kelompok besar sebesar 89,9% dengan masing-masing memperoleh kategori sangat baik. Hal ini menunjukkan bahwa penggunaan *e-booklet* berbasis literasi sains disertai *mind mapping* pada materi sistem pencernaan manusia layak digunakan dalam pembelajaran.

Kata Kunci: *e-booklet*, literasi sains, *mind mapping*

Virdana Paduwinata. 2023. *Development of Science Literacy Based E-Booklet Accompanied by Mind Mapping on Human Digestive System Material*. Thesis, Natural Science Education Study Program, Faculty of Education, University of Trunojoyo Madura. Advisor, Ana Yuniasti Retno Wulandari, S.Pd., M.Pd.

ABSTRACT

E-Booklet based on science literacy with mind mapping is a form of diversity of learning products that can be aligned with the development of technology and information. The purpose of this study was to determine the feasibility, response, and readability of science literacy-based e-booklets accompanied by mind mapping on human digestive system material. This type of research is development research with the ADDIE model without the implementation phase. The research conducted at UPTD SMPN 5 Bangkalan in the 2022/2023 school year. The subjects included class VIII-A with 31 students and class VIII-B with 13 students. The result showed that: (1) The average result of the feasibility test assessment of the media aspect is validity 1 with the valid category, 92.2% reliability with a very reliable category and the material aspect is validity 0.99 with the valid category, 100% reliability with a very reliable category. (2) The average result of the assessment of students' responses to the e-booklet in the one-to-one trial was 89.2%; the small group test was 95.15%; and the large group test was 90.5% with each of them obtaining a very good category. (3) The average result of the e-booklet readability assessment in the one-to-one trial was 78.7%; the small group test was 97.9%; and the large group test was 89.9%, each of which was categorized as excellent. It concluded that the use of science literacy-based e-booklets accompanied by mind mapping on human digestive system material is feasible to use in learning.

Keywords: e-booklet, science literacy, mind mapping