

## ABSTRAK

**Mangombar, NIM 4173141039 (2021). Pengembangan Multimedia Pembelajaran Berbasis *Macromedia Flash 8* sebagai Sumber Belajar Mandiri pada Materi Sistem Pencernaan Makanan.**

Penelitian ini bertujuan untuk mengetahui tingkat kelayakan Multimedia Pembelajaran yang dikembangkan menggunakan *software Macromedia Flash 8* pada materi sistem pencernaan makanan sebagai sumber belajar mandiri siswa berdasarkan tanggapan ahli materi, ahli media, guru bidang studi, dan siswa. Penelitian menggunakan disain pengembangan instruksional model 4-D, meliputi tahap *define* (pendefinisian), *design* (perancangan), *develop* (pengembangan), dan *disseminate* (penyebaran), dibatasi pada tahap penyebaran terbatas untuk melihat ketuntasan belajar klasikal siswa. Penelitian ini dimulai pada bulan September 2020 – Februari 2021. Uji coba produk dilakukan di SMA Swasta GKPI Padang Bulan Medan. Hasil penelitian menunjukkan bahwa Multimedia Pembelajaran yang telah dikembangkan layak digunakan sebagai sumber belajar mandiri siswa karena memenuhi kriteria kelayakan dengan skor rata-rata 4,5 dari ahli materi yang termasuk dalam kriteria sangat baik, skor rata-rata 4,4 dari ahli media yang termasuk dalam kriteria sangat baik, skor rata-rata 4,9 dari guru bidang studi yang termasuk dalam kriteria sangat baik, dan skor rata-rata 4,7 dari siswa uji coba kelompok besar yang termasuk dalam kriteria sangat baik. Ketuntasan Belajar Klasikal siswa pada penyebaran terbatas mendapat persentase 96,7%.

**Kata kunci:** Pengembangan, Multimedia Pembelajaran, Sistem Pencernaan Makanan

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## ABSTRACT

**Mangombar, NIM 4173141039 (2021). The Multimedia Learning Development Based on Macromedia Flash 8 as An Independent Learning Resource for the Digestive System.**

This study aims to determine the feasibility level of Learning Multimedia that was developed using Macromedia Flash 8 software on digestive system material as a student's independent learning resource based on the responses of material experts, media experts, subject teachers, and students. The study used the 4-D model of instructional development design, including the stages of define, design, develop, and disseminate, limited to the limited distribution stage to see students' classical learning completeness. This Research was started from September 2020 – February 2021. Product trials were carried out at GKPI Private High School Padang Bulan Medan. The results showed that the Learning Multimedia that has been developed is feasible to be used as a student's independent learning resource because it meets the eligibility criteria with an average score of 4.5 from material experts who are included in the very good criteria, an average score of 4.4 from media experts including in very good criteria, the mean score of 4.9 of the subject teachers is very good, and the average score of 4.7 of the students in the large group trial which is included in the criteria is very good. Students' classical learning completeness on a limited spread got a percentage of 96.7%.

**Keywords:** Development, Multimedia Learning, Digestive System

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