

Nurul Fadilah. 2021. *Pengembangan E-modul Berbantuan Sigil E-book Terhadap Pemahaman Konsep siswa Pada Materi Sistem Ekskresi Manusia*. Skripsi, Program Studi Pendidikan IPA, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing : Nur Qomaria, S.Pd., M. Pd

ABSTRAK

Penelitian ini bertujuan untuk mengembangkan e-modul berbantuan Sigil *e-book* sebagai media pembelajaran IPA. Pengembangan media e-modul memfokuskan pada materi sistem ekskresi manusia kelas VIII SMP/MTs. Desain pengembangan yang digunakan yaitu ADDIE (*Analyze, Design, Develop, Implement, dan Evaluate*). Subjek penelitian ini sebanyak 16 siswa. Instrumen uji coba yang digunakan adalah lembar validasi media, angket respons siswa, angket keterbacaan siswa, dan tes pemahaman konsep. Berdasarkan hasil penelitian, dapat disimpulkan bahwa: (1) Rata-rata validitas ahli media sebesar 91,5% dengan kategori sangat valid, Rata-rata reliabilitas ahli media sebesar 98% dengan kategori reliabel. Rata-rata validitas ahli materi sebesar 84,25% dengan kategori sangat valid dan rata-rata reliabilitas ahli materi sebesar 92% dengan kategori reliabel, (2) Rata-rata hasil respons siswa terhadap media e-modul berbantuan Sigil *e-book* sebesar 86% dengan kategori sangat baik, (3) Rata-rata hasil keterbacaan siswa sebesar 88% dengan kategori tinggi, dan (4) Rata-rata tes pemahaman konsep siswa sebesar 67,7% dengan kategori baik.

Kata kunci : e-modul, pemahaman konsep, Sigil *e-book*, sistem ekskresi pada manusia

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ABSTRACT

This study aims to develop an e-module with the help of Sigil *e-book* as a science learning media. The development of e-module media focused on the human excretion system material for grade VIII SMP / MTs. The development design was ADDIE (Analyze, Design, Develop, Implement, and Evaluate). The research subjects were 16 students. The research instruments used were the media validity sheet, the student response questionnaire, the student readability questionnaire, and the concept understanding test. Based on the research results, it can be concluded that: (1) The average validity of media experts was 91.5% with very valid categories, the average reliability of media experts was 98% with the reliable category. The average validity of material experts was 84.25% with very valid categories and the average reliability of material experts was 92% with the reliable category, (2) The average student response results to the e-module media assisted by the Sigil *e-book* was 86% with the very good category, (3) the average readability of the students was 88% with the high category, and (4) the average student concept understanding test was 67.7% with the good category.

Keywords: e-module, concept understanding, Sigil *e-book*, excretion system in humans