

Ridlo Alfian Aulia El – Asy'ari, 2024. *Pengembangan Modul Ajar Digital Berbasis Problem Based Learning pada Materi Sistem Komputer di SMK Siding Puri*. Skripsi, Program Studi Pendidikan Informatika, Fakultas Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Etistika Yuni Wijaya, S.Pd., M.Pd.

ABSTRAK

Pembelajaran informatika berbasis *Problem Based Learning* masih belum maksimal dalam penerapannya. Hal ini dikarenakan proses pembelajaran masih menggunakan metode konvensional dan berpusat pada siswa. Siswa lebih tertarik dengan pembelajaran berbasis digital. Solusi yang diberikan melalui penelitian ini yaitu melalui pengembangan modul ajar digital berbasis *Problem Based Learning*. Tujuan penelitian ini yaitu untuk mengetahui pengembangan, kelayakan, dan respons siswa terhadap modul ajar digital berbasis *Problem Based Learning* pada materi sistem komputer. Penelitian ini menggunakan model pengembangan *ADDIE* (*Analyze, Design, Development, Implementation, and Evaluate*). Penelitian ini dilaksanakan di SMK Siding Puri Sumenep dengan subjek penelitian kelas X dan kelas XII yang berjumlah 34 siswa semester genap tahun ajaran 2023-2024. Teknik pengumpulan data melalui angket validasi ahli media, ahli materi, dan respons siswa terhadap media. Hasil penelitian mendapatkan data bahwa: (1) Pengembangan modul ajar digital berbasis *Problem Based Learning* pada materi sistem komputer sesuai dengan kebutuhan peserta didik dan juga kondisi di sekolah (2) Uji validitas media sebesar 91% dalam kategori sangat valid dan rata-rata persentase uji validitas materi sebesar 82% dengan kategori sangat valid. (3) Respons siswa terhadap media mendapat nilai rata-rata sebesar 82,11 % dalam kategori sangat baik.

Kata Kunci: modul ajar digital, *problem based learning*, sistem komputer

Ridlo Alfian Aulia El – Asy'ari, 2024. Development of Problem-Based Learning Digital Teaching Modules on Computer System Material at SMK Siding Puri. Thesis, Informatics Education Study Program, Faculty of Education, Trunojoyo Madura University. Supervisor: Etistika Yuni Wijaya, S.Pd., M.Pd..

ABSTRACT

Problem-based informatics learning is still not optimal in its application. This is because the learning process still uses conventional and student-centered methods. Students are more interested in digital-based learning. The solution provided through this research is through the development of problem-based learning-based digital teaching modules. The purpose of this study is to determine the development, feasibility, and response of students to problem-based learning digital teaching modules on computer system materials. This research uses the ADDIE development model (Analyze, Design, Development, Implementation, and Evaluate). This research was carried out at SMK Siding Puri Sumenep with class X and class XII research subjects totaling 34 students in the even semester of the 2023-2024 academic year. Data collection techniques through validation questionnaires of media experts, material experts, and student responses to the media. The results of the study obtained data that: (1) Development of problem-based learning-based digital teaching modules on computer system material in accordance with the needs of students and also conditions in schools (2) Media validity tests of 91% in the very valid category and the average percentage of material validity tests of 82% in the very valid category. (3) Students' response to the media received an average score of 82.11% in the very good category.

Keywords: *digital teaching module, problem based learning, computer system*