

Abd. Ghaffar. 2025. Pengembangan Media Pembelajaran Digital Berbasis Literasi Sains pada Materi Suhu dan Kalor di SMP Negeri 1 Labang. Skripsi, Program Studi Pendidikan Informatika, Fakultas Keguruan dan Ilmu Pendidikan, Universitas Trunojoyo Madura. Pembimbing: Dr. Sigit Dwi Saputro, S.Pd., M.Pd.

ABSTRAK

Pembelajaran abad ke-21 menuntut pemikiran rasional dan logis, pemecahan masalah, pembelajaran mandiri, dan pengembangan karakter siswa. salah satu kebutuhan utama bagi siswa di abad ke-21 adalah literasi sains. Literasi sains merupakan kemampuan untuk membaca, mengenali, memahami, dan menggunakan prinsip-prinsip ilmiah untuk mengatasi dan menyelesaikan masalah dalam kehidupan sehari-hari. Agar literasi sains dapat sepenuhnya diterapkan, maka dibutuhkan media pembelajaran yang berbasiskan literasi sains. Penelitian ini menggunakan model penelitian *ADDIE* dengan beberapa tahapan diantaranya *Analysis, Design, Development, Implementatition, Evaluation*. Instrumen pengambilan data menggunakan lembar angket validasi ahli media, validasi ahli materi, dan angket respon siswa. Penelitian ini menghasilkan media pembelajaran berbasis literasi sains memperoleh persentase validasi ahli materi 97% dan validasi ahli media 97% dengan kriteria sangat layak. Hasil uji respon siswa memperoleh persentase pada uji perorangan 88%, uji kelompok kecil 90%, dan uji kelompok besar 93% dengan kriteria sangat baik. Berdasarkan hasil penelitian pengembangan media pembelajaran digital berbasis literasi sains sebagai media pembelajaran dikategorikan sangat layak dan sangat baik digunakan dalam pembelajaran.

Kata Kunci: *ADDIE*, Literasi Sains, Media Pembelajaran Digital

Abd. Ghaffar. 2025. *Development of Digital Learning Media Based on Science Literacy on Temperature and Heat Material at SMP Negeri 1 Labang*. Thesis, Informatics Education Studies Program, Faculty of Teacher Training and Education, Trunojoyo Madura University. Guides: Dr. Sigit Dwi Saputro, S.Pd., M.Pd.

ABSTRACT

21st century learning demands rational and logical thinking, problem solving, independent learning, and character development of students. One of the main needs for students in the 21st century is scientific literacy. Scientific literacy is the ability to read, recognize, understand, and use scientific principles to address and solve problems in everyday life. In order for scientific literacy to be fully implemented, learning media based on scientific literacy are needed. This research uses the ADDIE research model with several stages including Analysis, Design, Development, Implementation, Evaluation. The data collection instrument used a media expert validation questionnaire sheet, material expert validation, and student response questionnaire. This research produced a science literacy-based learning media that obtained a validation percentage from material experts of 97% and a validation percentage from media experts of 97% with very feasible criteria. The results of the student response test obtained a percentage of 88% in the individual test, 90% in the small group test, and 93% in the large group test with very good criteria. Based on the research results, the development of digital learning media based on scientific literacy as a learning medium is categorized as very feasible and very good for use in learning.

Keyword: ADDIE, Science Literacy, Digital Learning Media