

ABSTRAK

Thahira Azzahra Yusuf, 1212050181 (2025). “Pengembangan Media Pembelajaran Terintegrasi Sejarah Matematika Berbasis *Carousel* Instagram Pada Siswa SMP”

Perkembangan teknologi digital dan media sosial memberikan peluang besar bagi inovasi pembelajaran yang lebih interaktif dan relevan, termasuk dalam subjek pembelajaran matematika. Media sosial Instagram yang populer digunakan oleh remaja memiliki fitur *carousel* yang memungkinkan penyajian informasi secara visual, ringkas, dan menarik. Sementara itu, pembelajaran matematika sering dianggap sulit dan kurang diminati oleh siswa apabila disampaikan dengan metode yang monoton. Integrasi sejarah matematika dinilai mampu meningkatkan motivasi, pemahaman konsep, serta memberikan konteks yang lebih bermakna bagi siswa. Penelitian ini bertujuan untuk mengembangkan media pembelajaran matematika berbasis *carousel* Instagram yang diintegrasikan dengan sejarah matematika pada materi teorema Pythagoras kelas VIII SMP. Metode penelitian yang digunakan dalam penelitian ini adalah Penelitian dan Pengembangan model ADDIE (*Analysis, Design, Development, Implementation, dan Evaluation*). Instrumen penelitian yang digunakan berupa tes hasil belajar, lembar keterlaksanaan, wawancara, lembar angket kebutuhan siswa, lembar angket validasi ahli media dan ahli materi, dan lembar angket praktikalitas siswa. Hasil penelitian menunjukkan bahwa media pembelajaran yang dikembangkan memperoleh kategori sangat valid dan sangat layak dari para validator, efektivitas pembelajaran melalui media ini berada pada kategori cukup efektif ditinjau dari ketuntasan hasil belajar siswa, uji coba skala kecil dan skala besar menunjukkan bahwa media ini sangat praktis ditinjau dari kemudahan penggunaan, tampilan menarik, serta manfaat untuk siswa. Dengan demikian, media pembelajaran terintegrasi sejarah matematika berbasis *carousel* Instagram dinilai layak digunakan sebagai alternatif sumber belajar yang menarik, informatif, dan relevan bagi siswa SMP.

Kata Kunci: Media Pembelajaran, Sejarah Matematika, *Carousel* Instagram, Media sosial, Pengembangan, Model ADDIE

ABSTRACT

Thahira Azzahra Yusuf, 1212050181 (2025). “Development of a Mathematics Learning Media Integrated with the History of Mathematics Based on Instagram Carousel for Junior High School Students.”

The rapid development of digital technology and social media provides significant opportunities for creating more interactive and relevant learning innovations, including in mathematics education. Instagram, a social media platform widely used by adolescents, offers a carousel feature that enables a visual, concise, and engaging presentation of information. Meanwhile, mathematics learning is often perceived as difficult and less appealing when delivered through monotonous instructional methods. Integrating the history of mathematics is considered effective in enhancing students' motivation, conceptual understanding, and providing more meaningful contextual learning experiences. This study aims to develop a mathematics learning media based on Instagram carousel integrated with the history of mathematics for the topic of the Pythagorean theorem for eighth-grade junior high school students. This research employed the ADDIE (Analysis, Design, Development, Implementation, and Evaluation) model of Research and Development. The research instruments used included learning outcome tests, implementation observation sheets, interviews, students' needs analysis questionnaires, expert validation questionnaires for media and material, and students' practicality questionnaires. The results of the study indicate that the developed learning media obtained a “very valid” and “highly feasible” category based on expert validation, the effectiveness of the media is categorized as “fairly effective” based on students' learning mastery, small-scale and large-scale trials show that the media is “highly practical” viewed from its ease of use, attractive presentation, and benefits for students. Therefore, the Instagram carousel-based learning media integrated with the history of mathematics is considered appropriate to be used as an engaging, informative, and relevant alternative learning resource for junior high school students.

Keywords: Learning Media, History of Mathematics, Instagram Carousel, Social Media, Development, ADDIE Model