

Development of Teaching Materials for the Foundations of Primary Education Based on Digital Transformation 4.0.

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ABSTRACT

Education in the digital era has undergone significant changes in recent years. The advancements in information and communication technology (ICT) have opened new doors for education to integrate technology into the learning process. The digital era has brought numerous benefits to education, including improved accessibility, flexibility, and effectiveness of learning. The proliferation of digital technology has transformed how we access information, communicate, and collaborate. In this context, educational foundations serve as guiding principles to ensure that students receive comprehensive education that prepares them for the challenges and opportunities of the digital era. One key principle of educational foundations is to equip students with the skills needed to navigate the rapidly changing world around them. In the digital era, this means providing students with digital literacy skills that enable them to use technology effectively and responsibly. These skills include the ability to access, evaluate, and use digital information; communicate and collaborate online; and navigate digital tools and platforms. The aim of this research is to develop a teaching material that can serve as a reference for students studying the foundations of education in the era of educational transformation 4.0. The research method used is Research and Development (R&D) with the Rowntree model. The Rowntree development model consists of three stages: planning, development, and evaluation. The targeted outputs of this research are divided into two categories: mandatory outputs and additional outputs. Mandatory outputs include: 1) Research/thought results published in reputable international journals; 2) Teaching Materials for the Foundations of Education Based on Digital Transformation 4.0; and 3) Research results or thought outcomes presented orally and published in proceedings with ISSN/ISBN: International. Additional outputs of this research include: 1) Intellectual Property Rights (IPR) for Teaching Materials for the Foundations of Education Based on Digital Transformation 4.0; 2) e-book for the Foundations of Education Based on Digital Transformation 4.0.

Kata Kunci: Teaching materials, Educational foundations, R&D, Rowntree Model, Digital Transformation 4.0