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Analysis of the Development Needs of HOTS-Based Electronic Student Worksheets with Culturally Responsive Teaching Approach in Elementary Schools

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ABSTRACT

Objective: To address this issue, this research explores the integration of HOTS with the Culturally Responsive Teaching approach in developing Electronic Student Worksheets as a holistic and relevant learning solution. This research analyzes the preliminary development of HOTS-based electronic Student Worksheets with a Culturally Responsive Teaching Approach. **Method:** This research adopts a qualitative descriptive approach and involves fourth-grade teachers in Pasuruan Regency as research subjects. Sampling is done through purposive sampling. Data collection includes observation, documentation, and interviews. **Results:** The research begins with a preliminary study to identify the foundations that strengthen the development of electronic Student Worksheets. Then, a field study is conducted by directly observing the teaching materials teachers use in their instruction. Curriculum analysis focuses on Student Worksheets and learning materials. The Student Worksheets teachers use need to integrate HOTS and the Culturally Responsive Teaching approach. This preliminary study findings suggest the need for developing HOTS-based electronic Student Worksheets with a Culturally Responsive Teaching approach so that students can improve their critical thinking skills, learn about the culture of their local area, and appreciate both their own culture and the cultures of others. **Novelty:** This research implies that implementing HOTS with the Culturally Responsive Teaching approach in elementary education can provide a solid foundation for producing students who are not only academically intelligent but also possess character, critical thinking skills, and an understanding and appreciation of cultural diversity.

INTRODUCTION

Education is one of the crucial aspects of a nation's development. It plays a vital role in the progress of society and the nation and serves as the foundation for creating competitive individuals on a global scale (Prayogi et al., 2019). The quality of education serves as a vital foundation in shaping learners' intellectuality and social skills, preparing them to meet the demands of an ever-evolving world (Prayogi et al., 2019). Through education, individuals can develop their potential and gain a profound understanding of the social, political, and cultural environment around them (Yuliatin et al., 2022). In nation-building, education plays a crucial role in achieving sustainable development goals. Through quality education, a country can enhance the quality of its human resources, reduce social disparities, strengthen political participation, drive innovation and technological advancement, as well as promote awareness and understanding of human rights (Adawiyah et al., 2021; Puriasih & Rati, 2022).

Education in Indonesia has undergone significant changes with technological advancements and globalization. One of the significant challenges in the current education system is integrating information and communication technology into

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