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Analysis of Responses to the Use of Kahoot! Interactive Quiz in High School Students on Black Basic Materials

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ABSTRACT

Objective: This study aims to analyze student responses after using the Kahoot interactive quiz on the black principle material. **Method:** The study was conducted in class XI-2 of Dr. Soetomo Surabaya odd semester of the 2024/2025 academic year. This study uses qualitative descriptive research. **Result:** The results showed that students responded positively to the use of the Kahoot interactive quiz in learning the black basic materials. Most students felt more enthusiastic, engaged, and motivated during the learning process. They reported that the quiz format helped them better understand the concepts, and the immediate feedback feature allowed them to correct misconceptions quickly. In addition, the competitive yet fun atmosphere increased participation and focus during lessons. **Novelty:** The Kahoot application presents interesting animations, colors, and sounds, so that learning is not monotonous. Students can find out the ranking after all questions are answered. The development of technology is an opportunity to develop interactive learning media. Therefore, educators are required to provide learning media that make it easier for students to understand the material presented.

INTRODUCTION

The curriculum is an essential element in the educational process at various levels of education in Indonesia. The Merdeka Curriculum promotes autonomy and places students, teachers, and schools in strategic positions to choose the most effective learning methods. It emphasizes creativity and free thinking as the core of the Merdeka Belajar initiative launched by the Ministry of Education and Culture, including the initiation of the Sekolah Penggerak program, which aims to support each school in creating a generation that can continuously adapt and possesses the identity of Pelajar Pancasila (Warsidah et al., 2022).

Therefore, implementing a curriculum that focuses on character development is essential. Effective character education must cover three main aspects, namely moral knowledge, moral feeling, and moral action, as explained by Pratama and Widodo (2019). The Pelajar Pancasila profile aims to realize the vision of Indonesian education reform (Rahayu et al., 2022). Its existence encourages schools to implement more contextual and participatory curriculum development. The Merdeka Curriculum learning policy requires teachers to develop both the curriculum and teaching methods. In the current learning era, the role of teachers is not limited to being information providers but also as facilitators who must possess personal, social, professional, and pedagogical competencies, in accordance with Article 10 Paragraph (1) of Law Number 14 of 2005 concerning Teachers and Lecturers.

Physics plays an important role in providing students with an understanding of natural science. With the development of education and innovative approaches in