

## ANALYSIS OF THE IMPACT AND BENEFITS OF TECHNOLOGY TRENDS IN GLOBAL ACCESSIBILITY AND CUSTOMIZED LEARNING

**Nur Latifah\*<sup>1</sup>**

UIN Maulana Malik Ibrahim Malang, Indonesia  
Email: latifah.nur@uin-malang.ac.id

**Baskoro Ajie**

Politeknik ATK Yogyakarta, Indonesia  
Email: baskoro.ajie@atk.ac.id

### **Abstract**

In the digital era, technology plays a vital role in increasing global accessibility in various fields, especially in education. This study analyzes the influence of technological trends, such as artificial intelligence, machine learning, and virtual reality, in creating a more inclusive and accessible learning system for various groups. The results of the study show that technology is able to overcome geographical, economic, and social barriers in education, providing opportunities for individuals from various backgrounds to access learning materials more flexibly. In addition, technology also increases the effectiveness of learning by providing a more interactive and personalized experience according to user needs. Thus, the use of technology in learning not only expands access but also improves the quality of education globally.

**Keywords:** Technology, global accessibility, digital education, technology-based learning

### **INTRODUCTION**

The background of the study on the analysis of the influence and benefits of technology trends in global accessibility and customized learning is very relevant in today's digital era. Technology has developed rapidly and has had a significant impact on various aspects of life, including in the world of education and accessibility for individuals around the world. This development brings great opportunities for society to get a more inclusive education that can be tailored to the needs of each individual.

According to Imran et al., (2024) in the last few decades, advances in information and communication technology have changed the way humans interact, work, and learn. The emergence of the internet, smart devices,

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<sup>1</sup> Correspondence author