



## The Influence of Website-Based Learning Media on Science Learning Outcomes in Elementary School Students in the Era of Society 5.0

Rosa Ardiana Ningrum<sup>1\*</sup>, Wahono Widodo<sup>2</sup>, Elok Sudibyo<sup>2</sup>  
<sup>1,2,3</sup>State University of Surabaya, Surabaya, Indonesia



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### ABSTRACT

**Objective:** In the era of global society 5.0, people worldwide are faced with demands to keep pace with the development of technology and knowledge by developing their "hard skills" and "soft skills." Ever-evolving technologies are utilized to achieve this goal. One example of its implementation in education is the use of websites in science learning. This study aims to evaluate the effectiveness of learning websites in improving student achievement. **Method:** Using the systematic literature review method, the research collects and analyzes twenty articles related to learning websites. **Result:** The results of the twenty journals showed that the use of website media has a positive impact on improving student achievement in the context of science learning. This reflects the critical role of technology in education in the era of global society 5.0. There has been a significant increase in minimum score achievement and student satisfaction with learning. Using the website allows students to learn efficiently and flexibly anywhere. This indicates that learning websites effectively aid students' comprehension of the material, motivate them to learn, and foster interest in learning. **Novelty:** The website learning media must continue to be developed. In the era of a global society, 5.0 technology in education is essential. This is based on an analysis of the data obtained regarding the use of website media for science learning.

### INTRODUCTION

Statistical results released by the Ministry of Communication and Information Technology in 2019 showed an increase in internet users by 10% compared to the previous year (Dewi et al., 2021). After the development of the industrial era 4.0, the world entered the era of society 5.0. Those phenomena are a condition of society whose life cannot be separated from the digital world. Almost all daily activities can be completed with the help of digital technology. The digitization process has spread to almost all sectors of life, including economic transaction activities, social activities, cultural dissemination, public information delivery, and health assessment in the education sector (Maikomo et al., 2021; Pettersson, 2021; Prahani et al., 2022; Rizki et al., 2022; Saphira et al., 2023).

The era of society 5.0 has resulted in many digital transformations, especially in education. It includes all activities related to learning and teaching. Activities that occur in the education sector include the teaching and learning process in the classroom, the process of curriculum implementation, national evaluation, and the distribution of learning resources (Aslan et al., 2021; Choppin et al., 2022; Machmud et al., 2021; Rasmitadila et al., 2020). As a result of the development of the era of society 5.0, education actors continue to direct all teaching and learning activities to be digital-based. Learning in elementary schools has begun to develop from conventional models to digital-based (Mardin & Nane, 2020). Every change is made gradually to achieve an

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