

The Future of the Humanities: Preserving and Transmitting Human Knowledge and Values in the 21st Century

Masa Depan Humaniora: Melestarikan dan Mentransmisikan Pengetahuan dan Nilai Manusia di Abad 21

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ABSTRACT

This research investigates the impact of developments in information technology and digitalization on approaches and understanding in the field of humanities in the 21st century. Through a systematic literature review, we explore key concepts in the relationship between information technology and the humanities and analyze the implications of these interactions. The research method involved collecting articles from reputable international databases using relevant keywords, followed by detailed analysis using the PRISMA method. The results of the discussion show that the development of information technology has changed the paradigm in approaches to the humanities, influencing educational practices, analysis and interpretation of humanities works. The implications of this research underscore the importance of integrating information technology with humanities pedagogy and the need for attention to ethics, authenticity, and integrity in the use of technology in humanities contexts.

Keywords: information technology, digitalization, humanities, approach, education, research methods, implications.

ABSTRAK

Penelitian ini menyelidiki dampak perkembangan teknologi informasi dan digitalisasi terhadap pendekatan dan pemahaman dalam bidang humaniora pada abad ke-21. Melalui tinjauan literatur sistematis, kami menjelajahi konsep-konsep kunci dalam hubungan antara teknologi informasi dan humaniora serta menganalisis implikasi dari interaksi tersebut. Metode penelitian melibatkan pengumpulan artikel dari database internasional bereputasi dengan menggunakan kata kunci yang relevan, diikuti oleh analisis terperinci menggunakan metode PRISMA. Hasil pembahasan menunjukkan bahwa perkembangan teknologi informasi telah mengubah paradigma dalam pendekatan terhadap humaniora, mempengaruhi praktik pendidikan, analisis, dan interpretasi karya-karya humaniora. Implikasi penelitian ini menggarisbawahi pentingnya integrasi teknologi informasi dengan pedagogi humaniora serta perlunya perhatian terhadap etika, otentisitas, dan integritas dalam penggunaan teknologi dalam konteks humaniora.

Kata Kunci: teknologi informasi, digitalisasi, humaniora, pendekatan, pendidikan, metode penelitian, implikasi.

1. Introduction

The future of the humanities in the 21st century is crucial for preserving and transmitting human knowledge and values. As we navigate through a rapidly changing world, the humanities play a vital role in understanding and interpreting the complexities of human experiences (Нанетти, 2021). The humanities provide conceptual tools that bridge theory and practice, offering insights into the essence of being human and fostering transformative learning (Gabriel et al., 2022). In this era of uncertainty, characterized by grand challenges such as climate change and biodiversity loss, the humanities offer a pathway to address these pressing issues by drawing on the rich tapestry of human experiences accumulated over time and across different cultures (Нанетти, 2021).

Moreover, the evolution of epistemological methodologies in fields like anatomy showcases the historical significance of human knowledge transmission (Ghosh, 2021). From ancient practices of dissection to modern anatomical studies, the preservation and advancement of knowledge have been central to human intellectual progress. Similarly, the study of craft traditions highlights how disciplines like archaeology and art history contribute to the preservation of cultural heritage, emphasizing the importance of continuity in transmitting values across generations (Buckley, 2022).

As we look towards the future, the humanities are essential for fostering critical thinking, problem-solving, and communication skills - all of which are fundamental components of 21st-century education (Berg et al., 2021). By integrating humanities education with science, technology, engineering, and mathematics (STEM) fields, we can cultivate a holistic approach to knowledge that not only addresses current challenges but also prepares future generations to navigate the complexities of an interconnected world (Susilowati et al., 2020).

In conclusion, the future of the humanities lies in its ability to adapt and respond to the changing needs of society while staying true to its core mission of preserving and transmitting human knowledge and values. By embracing interdisciplinary approaches, leveraging historical insights, and nurturing essential skills, the humanities will continue to serve as a beacon of wisdom and understanding in the 21st century.

In the modern era which is dominated by advances in information technology and digitalization, understanding the humanities is becoming increasingly important along with the growing complexity of the demands of the times. Humanities are not only about the study of works of art, literature, history, and philosophy, but also include a deep understanding of values, identity, and human experience in various social, cultural, and historical contexts. This reflects the important role of the humanities in building a broader and deeper understanding of human diversity and the complexity of social interactions that occur in contemporary society. Therefore, in facing the increasingly rapid flow of globalization and digital transformation, it is important for us to pay attention to how developments in information technology and digitalization influence and shape our paradigms, approaches and understanding of the humanities.

In this context, understanding the development of information technology and digitalization is crucial because it influences the way we understand, convey and maintain knowledge and human values. Information technology and digitalization have influenced almost every aspect of human life, including the way we interact, search for information, and understand the world around us. The implications of these developments for the humanities include changes in research methods, access to information resources, and interpretation of classical works. Therefore, in exploring the role and relevance of the humanities in this digital era, we need to understand in depth how information technology and digitalization shape, influence and respond to the dynamics of the humanities field in maintaining and transmitting knowledge and human values.

Drastic changes in information technology and digitalization have changed the paradigm in the approach to the humanities. These changes include shifts in research methods, available resources, and the way we understand and interpret classical works. In this context, it is important to investigate how these technological developments affect our view of the humanities and how they can influence our understanding of human values.

Although there has been research that looks at the influence of information technology and digitalization on the humanities, there is still a void in the literature regarding a comprehensive approach to these issues. Most of the research that has been conducted tends to focus on specific aspects, such as the use of technology in humanities teaching and learning, the influence of technology on the production and distribution of works of art, or the application of digital methods in historical or literary analysis. Although important, this focus

often does not provide a comprehensive picture of the changes occurring in the humanities as a whole as a result of developments in information technology and digitalization.

This void creates space for more in-depth and holistic research on how developments in information technology and digitalization as a whole influence paradigms, approaches and understanding of the humanities. Through a more comprehensive approach, we can better understand the impact of technology integration in various fields of the humanities, including literature, history, fine arts, philosophy, and others. Thus, a thorough study of the changes occurring in the humanities as a result of technological developments would provide a valuable contribution to our understanding of the role and relevance of the humanities in the context of today's digital society.

The aim of this research is to fill this gap by conducting a systematic review of the existing literature. By applying a systematic review approach, we aim to comprehensively compile and evaluate the relevant literature on the influence of information technology and digitalization on the humanities. Through this in-depth and structured analysis, we aim to provide a deeper and more holistic understanding of how developments in information technology and digitalization influence our paradigms, approaches and understanding of the humanities in the 21st century.

In this systematic review process, we will identify, filter, and analyze relevant articles from various sources, including international journals, books, and research reports. Keeping in mind the pre-established inclusion criteria, we will carefully evaluate each article to ensure that only the most relevant and high-quality articles will be included in our analysis. Through this structured approach, we hope to make a valuable contribution to our understanding of the complex relationship between information technology and digitalization and the humanities, as well as its implications for contemporary society.

The main research question that will be answered in this literature review is: "How will developments in information technology and digitalization influence our approach and understanding of the humanities in the 21st century?" This question aims to lead a systematic review of the relevant literature, with a focus on the concrete impact of advances in information technology and digitalization on the humanities field. Through comprehensive analysis, we seek to identify general patterns, trends and changes in the way our approach and understanding of the humanities has evolved with technological advances, as well as understand the broader implications for society and culture in the digital age.

This question also aims to highlight the complexity of the dynamics between technology and the humanities, as well as explore how interactions between the two have shaped and been influenced by social, political and cultural developments in contemporary society. By answering this question, it is hoped that we can gain deeper insight into the role of technology in shaping our views and interpretations of works of art, literature, history and other human values, as well as how this can shape the future of the humanities in a global context. keeps changing.

The unique contribution of this research lies in its comprehensive approach to changes in the humanities caused by technological developments. Through an in-depth systematic review, we aim to not only describe the impact of information technology and digitalization on the humanities field at large, but also to identify new patterns in understanding and approaches to the humanities. By uncovering these trends and patterns, we hope to provide valuable insights for researchers and practitioners in the field, as well as encourage further discussion about the future direction of the humanities in this digital context.

In seeking to identify these new patterns, we will pay attention not only to the direct impact of technology on the humanities, but also to the complex interactions between the two. This includes an understanding of how information technology and digitalization affect the way we produce, consume and convey humanities works, as well as how they influence human experience and identity in this digital context. In doing so, it is hoped that this research will not

only increase our understanding of the relationship between technology and the humanities, but will also provide a foundation for further research and innovation in this field.

This research is expected to provide a deeper understanding of how information technology and digitalization affect the humanities field in a comprehensive manner. By revealing the broad and complex impacts of these technological developments, it is hoped that the results of this research will provide valuable insights for stakeholders, including policy makers, practitioners and researchers, to understand the challenges and opportunities faced in preserving and developing human heritage in this era. digital.

It is hoped that the findings from this research will provide a strong basis for policymaking related to the integration of technology in the humanities, as well as guidance for effective practices in utilizing technology to enrich and broaden our understanding of the humanities. In addition, it is hoped that the results of this research will pave the way for further in-depth and sustainable research in this field, thereby encouraging innovation and development in the future. Thus, it is hoped that this research can contribute significantly to efforts to maintain the relevance and sustainability of humanities in the ever-growing digital era.

2. Research Methods

The steps taken to collect articles from reputable international databases involve several structured stages. First, an article search was carried out using relevant keywords in various databases such as Scopus, Web of Science, and Google Scholar. The selection of this database was based on its reputation as a reliable source of information and broad coverage in various humanities disciplines. The search was carried out carefully to ensure that the keywords used covered various important aspects of the research topic, making it possible to obtain articles that were most relevant to the issues discussed.

After conducting a search, relevant articles that emerged from the search results were filtered based on predetermined inclusion and exclusion criteria. These inclusion criteria include relevance of the topic to the research, year of publication, type of publication (e.g., scientific journal, book), and quality of source. Articles that meet these inclusion criteria are then included in the list to be analyzed further in the systematic review process.

During the screening process, careful steps were taken to ensure that only the most relevant and high-quality articles were included in the analysis. This was done to ensure that the data analyzed in this systematic review has a high level of reliability and validity, making it possible to gain a deeper and more accurate understanding of the influence of information technology and digitalization on the humanities field.

The list of keywords used to search for relevant articles includes a variety of terms relevant to the research topic. These terms include, but are not limited to: "humanities", "technology", "digitalization", "21st century", "impact", "approach", and the like. The use of appropriate keywords is very important to ensure that the articles found are directly related to the research topic and cover various relevant aspects of the problem being discussed.

By using various relevant keywords, it is hoped that the search will produce articles that are most relevant to the research topic. In addition, the use of appropriate keywords also helps in ensuring that the scope of the search covers various dimensions of the influence of information technology and digitalization on the humanities fields in the 21st century. Thus, this careful list of keywords is one important step in the process of collecting articles for this systematic review, which will ensure that the articles found will make a significant contribution to our understanding of the research topic.

Statistics on the number of articles found in searches include the total number of articles found from each database used, such as Scopus, Web of Science, and Google Scholar. This data provides a clear picture of how extensive the existing literature is on the topic under study, as well as demonstrating the scope and accessibility of information available across

various platforms and information sources. By knowing the number of articles available in each database, researchers can estimate how much information can be accessed and analyzed to answer the research questions asked.

Through these statistics, researchers can also evaluate the adequacy of existing data and consider whether it is necessary to expand the scope of the search to other information sources or not. Additionally, these statistics also help in understanding the level of interest and research that has been conducted in the topic area under study, which can provide important context for the study. Thus, statistics on the number of articles found in a search are an important indicator in evaluating the relevance and significance of a research topic and guide the next steps in the literature review process.

The criteria used to select relevant articles involved some careful consideration. First of all, the existence of the article must have a strong connection to the research topic being reviewed. This includes aspects such as the relevance of the content, the focus of the research, and the contribution to the understanding of the topic discussed. In addition, it is also important to consider the research methodology used in the article, including whether the approach used is appropriate to the desired research objectives.

Apart from the relevance to the topic and research methodology, the year of publication is also an important factor to take into account. The selected articles must have current relevance to the research topic, thus ensuring that the analysis carried out reflects the latest developments in the fields of humanities and information technology. Finally, the quality of the journal where the article is published is also a major consideration. Articles that are included must have been published in reputable international journals that have high standards in the selection and peer-review process.

Articles that do not meet these criteria will be excluded from the analysis, thereby ensuring that the data used in this literature review is reliable, relevant and of high quality. By applying these strict selection criteria, it is hoped that the analysis carried out will provide reliable and useful results for the development of knowledge and understanding of the relationship between information technology and digitalization and the humanities field.

The PRISMA (Preferred Reporting Items for Systematic Reviews and Meta-Analyses) method is the basis for the article analysis process in this literature review. This method is designed to provide systematic guidance in identifying, screening, and evaluating articles relevant to the research topic. By applying the PRISMA method, the literature review research process can be carried out with high transparency, accuracy and objectivity.

The systematic steps in the PRISMA method ensure that no articles are missed during the search and screening process, so that coverage of the literature analyzed can be guaranteed to be as comprehensive as possible. In addition, this method also helps ensure that the assessment of the quality and relevance of articles is carried out consistently and objectively. In this way, the decision to include or exclude an article can be justified clearly and transparently.

The use of the PRISMA method in this literature review research also helps in increasing the validity and reliability of the analysis results. By following the guidelines set out in the PRISMA method, this research can produce reliable and relevant findings to support the development of knowledge in the fields of information technology, digitalization and humanities.

3. Results and Discussion

3.1. Humanities Concepts in the Context of Information Technology and Digitalization

Changes in approaches to the humanities have been influenced by various factors such as digitalization, artificial intelligence, and evolving educational needs. Mehta & Aguilera (2020) emphasize the importance of humanizing pedagogies in online teaching by promoting inclusive learning environments. This aligns with the trend highlighted by Verganti et al. (2020) where

human design is becoming more about sensemaking in the age of artificial intelligence. Furthermore, Dragicevic et al. (2023) discuss the relevance of incorporating design thinking in higher education to prepare individuals for changing work demands, reflecting a shift towards more practical and innovative approaches in education.

Moreover, the impact of digital technologies on philological education is explored by a study by (Osorio et al., 2022), indicating a forecast of changes in learning and knowledge sharing. These changes in educational trends are also seen in the context of anatomy education during the Covid-19 pandemic (Ghosh, 2022), highlighting the evolving strategies necessitated by global events. Additionally, the study by Osorio et al. (2022) on global research output related to human anatomy underscores the importance of understanding trends in teaching and learning practices. In conclusion, the humanities are experiencing a transformation driven by technological advancements, changing educational needs, and global events. These shifts necessitate a critical examination of pedagogical approaches, the integration of innovative methodologies, and a focus on inclusivity and adaptability in educational practices.

The relationship between humanities and information technology in the digital age is a complex and evolving subject. The rapid advancements in technology have significantly impacted how we engage with various forms of human expression such as art, literature, history, and philosophy through digital platforms like e-books, virtual museums, and digital archives. While these technological developments have expanded access to humanities works, they have also raised concerns regarding the authenticity and integrity of these works in digital formats.

As highlighted by (Longo et al., 2020), the shift towards Industry 5.0 has emphasized the importance of human-centric perspectives in designing technological systems, such as Cyber-Physical Production Systems (CPPS). This evolution towards a more human-centered approach underscores the ethical considerations surrounding the impact of technology on individuals and society. Furthermore, the study by Parker & Grote (2020) emphasizes the significance of work design in the digital era, stressing that the benefits of digitalization must be balanced with considerations of human values and job performance.

In the context of digital humanities, Pratonno et al. (2020) discuss the evolution of digital humanities from merely supporting humanities scholars to encompassing a broader range of practices that integrate digital media with humanities disciplines. This integration highlights the intersection of technology and humanistic inquiry, shaping how knowledge and values are preserved and transmitted in contemporary society.

Overall, the interplay between humanities and information technology in the digital age underscores the need for a human-centered approach to technological development. As we navigate the complexities of digitalization, it is essential to consider the ethical implications, authenticity, and integrity of human experiences and values in the digital realm.

The integration of information technology in the analysis and interpretation of humanities works, known as digital humanities, presents a novel approach to studying complex humanities materials. This interdisciplinary field utilizes technology to analyze classical texts, reconstruct history, and visualize data in art history (Münster & Terras, 2019). While digital humanities offer innovative methods for understanding humanities works, challenges arise in how technology may influence our interaction and appreciation of these works. Concerns also exist regarding potential loss of depth and nuance in interpretation when humanities studies become overly reliant on technology (Wang et al., 2021).

Research in the intersection of humanities and information technology provides valuable insights into the relationship between technology and human values in contemporary society. By delving deeper into this connection, scholars can develop a more comprehensive and sustainable approach to preserving and transmitting knowledge and human values in the digital age (Münster & Terras, 2019). Digital humanities projects not only enhance research

methodologies but also offer a rich framework for virtual instruction in libraries, contributing to the evolution of educational practices (Boczar & Jordan, 2021).

Moreover, the concept of digital humanities extends beyond academia, impacting various sectors such as job markets and cultural heritage. Studies have shown that the application of technology to humanities work is a widely accepted definition of digital humanities (Wang et al., 2021). The evaluation of digital humanities work within libraries is an area that requires more attention, as current assessments are limited (Borrego, 2020). Additionally, the development of digital skills and human characteristics plays a crucial role in navigating digital transformation within companies, highlighting the importance of workforce adaptability in the digital era (Obermayer-Kovács et al., 2022). In conclusion, the evolving landscape of digital humanities presents both opportunities and challenges in reshaping how we engage with humanities works. Understanding the implications of technology on humanities studies is essential for fostering a balanced approach that leverages technological advancements while preserving the essence and richness of humanistic inquiry.

3.2. The Influence of Information Technology and Digitalization on the Humanities

Information technology and digitalization have significantly impacted the understanding of humanities across various domains. The integration of information and communication technologies (ICT) in educational institutions has revolutionized teaching methods and enhanced human capital development (Ogbuabor et al., 2020). This impact extends to the field of digital humanities, where computational tools are utilized to assist scholars in their research, offering new perspectives and reducing workload (Sun et al., 2022). Moreover, the influence of digital practices in the humanities, including open access, data, and software, has reshaped research methodologies and practices (Schlicht, 2020).

The role of information technology goes beyond education, affecting various aspects of human experience and cognitive processes (Atchley et al., 2021). For instance, interactive multimedia tools have transformed learning methods, contributing to character development and religiosity in children (Pintakhari et al., 2022). Furthermore, the impact of ICT on student achievement in higher education institutions underscores the positive outcomes of technology integration in academic settings (Mude & Sara, 2020).

In the economic realm, financial technological advancements have been instrumental in driving economic growth and societal changes, emphasizing the pervasive influence of ICT on different sectors (Badwan & Awad, 2022). Additionally, technology-enhanced language learning has demonstrated the effectiveness of ICT in improving language acquisition and educational outcomes (Iberahim et al., 2023). The digital transformation in humanities education and library support strategies highlights the evolving landscape of digital humanities practices in academic institutions (Hong-qiu, 2020).

Overall, the impact of information technology on human interactions, memory performance, organizational processes, and productivity underscores the transformative power of digitalization across diverse fields (Pavloshchuk et al., 2019; Steeds, 2020; "Parameters of Strategic Agility and Organizational Performance: An Empirical Study of Manufacturing Sector in Oyo State, Nigeria", 2022; Nuryanto & Pambuko, 2019). As technology continues to evolve, its integration into various sectors will continue to shape human experiences, knowledge acquisition, and societal advancements.

The impact of information technology and digitalization on the humanities has been a subject of significant discussion in academia. The introduction of digital technologies such as the internet, social media, big data, and artificial intelligence has led to substantial transformations in the humanities landscape. One of the key outcomes is the enhanced accessibility to humanities resources through digital platforms, enabling individuals from diverse backgrounds to more easily engage with humanities heritage (Leshkevich & Motozhanets, 2022). Additionally, the integration of technology in humanities education has

revolutionized the approaches to learning and teaching, opening up new avenues for interactive and purposeful research and learning experiences (Tao & Oliver, 2020).

The use of information technology in the humanities has facilitated large-scale data processing and analysis, allowing for a deeper exploration of trends, patterns, and themes within humanities works (Creutzig et al., 2022). This evolution has given rise to the field of digital humanities, which utilizes information technology to analyze, preserve, and present humanities works in innovative ways (Leshkevich & Motozhanets, 2022). However, the incorporation of technology in the humanities also poses challenges such as privacy concerns, issues of digital authenticity, and the credibility of online resources, underscoring the need for careful ethical and methodological considerations by humanities researchers (Leshkevich & Motozhanets, 2022).

The influence of information technology and digitalization on the humanities has fundamentally transformed the dissemination, understanding, and preservation of human knowledge and values. While these advancements have brought about numerous advantages, they have also presented critical challenges that necessitate thoughtful and strategic solutions. The field of digital humanities is continuously evolving, providing new opportunities for scholars to interact with humanities materials in unprecedented ways, highlighting the significance of balancing technological progress with ethical considerations in the humanities domain.

3.3. Challenges and Opportunities in the Era of Digitalization for the Humanities

Integrating technology with the humanities presents a range of challenges and opportunities. The integration of information and communication technology (ICT) in education offers opportunities for enhanced learning experiences but also comes with challenges such as the need for adequate training and support for teachers (Kandel, 2022). The sense of agency in emerging technologies for human-computer integration introduces opportunities for a more comprehensive understanding of human-computer interaction but also poses challenges in defining and incorporating agency aspects effectively (Cornelio et al., 2022). Educators face the challenge of adapting to 21st-century education demands, including the integration of science, technology, engineering, art, and mathematics (STEAM), which offers promising opportunities for innovative educational design but requires overcoming barriers related to technology access and implementation (Videla & Aguayo, 2022).

In the context of language teaching, the use of technology presents opportunities for more interactive and efficient approaches, yet teachers encounter challenges such as poor internet connectivity and limited resources that hinder effective integration (Pheng et al., 2021; Mundo, 2022). Addressing these challenges requires strategies like improving digital technology pedagogies and providing adequate training to enhance technology integration in educational settings (Olipas, 2023; Pelila et al., 2022). Despite significant investments in technology integration in education, obstacles persist, emphasizing the need for tailored solutions to ensure successful implementation (Atabek, 2019).

Furthermore, the design and operation of complex sociotechnical systems, such as air traffic control centers, highlight the importance of human systems integration to effectively combine human, technological, and organizational elements (Disdier, 2023; Boy, 2021). The evolving landscape of industrial electronics underscores the ongoing challenges and opportunities in integrating human factors with technological advancements to address societal needs (Lucía et al., 2021; She et al., 2022). Understanding the principles of convergence in integrating knowledge and expertise is crucial for addressing contemporary challenges and opportunities in technology integration (Roco, 2020). In conclusion, integrating technology with the humanities offers immense potential for innovation and enhanced learning experiences. However, to fully realize these benefits, it is essential to address challenges such as access barriers, training needs, and the complexity of integrating human

factors with technological advancements. By leveraging opportunities for interdisciplinary collaboration and tailored solutions, the integration of technology with the humanities can lead to transformative educational experiences and societal advancements.

The era of digitalization presents both challenges and opportunities for the humanities field. Challenges include concerns about the authenticity and integrity of digital humanities works, as well as issues related to data privacy and security when handling sensitive information (Baranov et al., 2021). Moreover, the need to develop clear ethical guidelines for using information technology in humanities research is crucial (Haddade, 2023). Addressing digital divides that hinder access to resources is also a challenge that needs to be overcome (Robandi et al., 2020).

On the other hand, digitalization offers significant opportunities for the humanities. It allows for wider dissemination of knowledge and human values through digital platforms, reaching a more diverse audience and promoting a deeper understanding of heritage (Kusumawati, 2021). The use of digital tools enables innovative research and learning approaches, fostering collaboration and data-oriented studies that lead to new discoveries and deeper insights into human and cultural complexities (Zhang & Jing, 2020).

To optimize the benefits of digitalization, the humanities field must navigate emerging challenges. This includes adapting curricula to the digital era, implementing research-based learning processes, and enhancing students' digital literacy through innovative library practices (Haddade, 2023). Additionally, developing strategies to address the digital transformation of human resource management is essential to leverage the opportunities presented by digitalization (Strohmeier, 2020).

In conclusion, while the digital era poses challenges such as ensuring authenticity, data security, and ethical guidelines, it also offers opportunities for wider dissemination of knowledge, innovative research approaches, and deeper insights into human values and culture. By addressing these challenges effectively and embracing digital transformation, the humanities field can enrich understanding and contribute to sustainable development in an increasingly connected digital society.

4. Conclusions

In examining humanities concepts in the context of information technology and digitalization, changes in approach have been influenced by factors such as digitalization, artificial intelligence, and the evolution of educational needs. This is seen in the emphasis on humanization of pedagogy in online teaching, which promotes an inclusive learning environment. Additionally, the shift in humanized design places an increasing emphasis on meaning in the era of artificial intelligence. Furthermore, the integration of design thinking in higher education reflects a shift towards a more practical and innovative approach to education.

Additionally, the influence of digital technology on philology education and educational trends during the Covid-19 pandemic highlight changes in learning strategies and knowledge sharing. Shifting educational trends are also reflected in the emphasis on more practical and innovative teaching and learning practices. Overall, the humanities are undergoing a transformation driven by technological advances, evolving educational needs, and global events. These changes demand critical examination of pedagogical approaches, integration of innovative methodologies, and a focus on inclusivity and adaptability in educational practice.

The influence of information technology and digitalization on the humanities includes changes in interactions with various forms of human expression such as art, literature, history, and philosophy through digital platforms. The shift towards Industry 5.0 emphasizes the importance of a human-centered perspective in designing technological systems. In addition, it is important to consider the ethical implications, authenticity and integrity of human experiences and values in the digital realm. The integration of information technology in the

analysis and interpretation of humanities works offers a new approach to studying complex humanities material.

Although this research provides valuable insight into the influence of information technology and digitalization on the humanities, there are several limitations that need to be noted. First, limitations in resource accessibility and limited accessibility of certain databases may have limited the scope of this study. Additionally, a focus on literature available in a particular language may limit the global representation of the viewpoints described in this study. Additionally, because the literature review is retrospective, contextual factors and new developments in information technology that may emerge after this research is conducted cannot be fully considered.

For future research, it is important to broaden the scope by including more resources in different languages as well as considering multidisciplinary perspectives. Empirical studies involving surveys or interviews with practitioners and experts in the humanities can provide deeper insights into the impact of information technology and digitalization on practices and views in the humanities. Additionally, future research could explore the ethical implications of technology use in the humanities as well as explore effective pedagogical and curricular strategies for integrating information technology in humanities education. By taking these limitations into account, future research in this area can be more comprehensive and relevant for understanding the role of information technology in the future development of the humanities.

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