Information Management and Business Review (ISSN 2220-3796)
Vol. 17, No. 4, pp. 54-65, 2025

Digital Technologies and Youth Democracy: A Narrative Review of Civic Participation, Digital Citizenship and Emerging Challenges

*Irwana Nooridayu Muhamad Hakimi[1,2], Azmil Mohd Tayeb[1], Noorayuni Rusli[2], Mohamad Ili Afiq Ibrahim[3]
[1]School of Social Sciences, Universiti Sains Malaysia, Pulau Pinang, Malaysia
[2]Faculty Administrative Science and Policy Studies, Universiti Teknologi MARA Cawangan Kedah Kampus Sungai Petani, Kedah, Malaysia
[3]Zeng Huat Engineering & Construction Works, Port Dickson, Negeri Sembilan, Malaysia
Emai: *irwana@uitm.edu.my, azmil@usm.my, noora829@uitm.edu.my, miaf_iliafiq@yahoo.com
Corresponding Author: Irwana Nooridayu Muhamad Hakimi

Abstract: The integration of digital technologies into everyday life has significantly influenced how young people engage with democratic processes, though the implications remain uneven and contested. Digital platforms offer opportunities for civic participation, activism, and political education; however, they also pose risks, including misinformation, polarization, and digital access inequalities, which raise concerns about the inclusivity of youth democracy. This study examines the role of digital technologies in shaping youth democratic engagement, with particular attention to civic participation, digital citizenship, and the challenges of digital environments. Using Scopus AI (search conducted on 11 September 2025), the review applied a narrative review approach combining a structured search string, summary and expanded summary analysis, concept mapping, topic expert profiling, and identification of emerging themes to synthesize literature across disciplines. The findings show that digital culture fosters new forms of engagement through online activism, global networks, while digital citizenship predicts both local and global participation. Nonetheless, challenges including misinformation, online harassment, and ethical concerns about technological determinism limit the democratizing potential of these tools. Emerging themes emphasize the importance of digital competence, innovations in digital democracy, youth-led digital activism, and the transformation of the public sphere. The study concludes that digital technologies present both opportunities and challenges for youth democracy, highlighting the need for educational reforms to strengthen digital literacy, policy interventions to ensure equitable access, and safeguards to protect democratic quality. These provide theoretical contributions to understanding democracy in the digital age and practical guidance for policymakers, educators, and civic organizations.

Keywords: *Digital Citizenship, Youth Democracy, Civic Participation, Digital Activism, Digital Literacy*

1. Introduction

In an increasingly digitalized world, the intersection of youth, democracy, and technology has emerged as a critical area of inquiry. The digital revolution has transformed how young people engage with society, communicate with peers, express political views, and participate in civic life. With unprecedented access to information and platforms for public discourse, today's youth, often referred to as "digital natives," are engaging with democratic processes in novel and dynamic ways. These changes raise important questions about the evolving nature of civic participation, political agency, and the future of democratic governance.

While digital technologies offer powerful tools for civic engagement, their impact is not uniform. Instead, it is shaped by a complex interplay of factors such as digital literacy, access to technology, socio-economic background, and political context. Youth, in particular, stand at the forefront of this transformation, not only as early adopters of technology but also as key actors in shaping the norms and practices of digital citizenship and democratic involvement. However, despite growing academic and policy interest in this topic, the empirical and conceptual landscape remains fragmented. While the relationship between digital technologies and youth democracy has been explored in different national and disciplinary contexts, this study adopts a global perspective by reviewing scholarly literature indexed in Scopus from 2010 to 2025. Consequently, the primary setting for this review is conceptual, encompassing the global, cross-disciplinary scholarly discourse indexed in the Scopus database, rather than focusing on a single, empirical geographic location.

Several studies have explored the positive effects of digital media on civic engagement. For instance, research indicates that high levels of digital literacy and resilience among youth enable meaningful engagement in civic spaces while mitigating exposure to online risks (Šimková & Kárníková, 2024). Similarly, disparities in digital access and competencies are shown to influence democratic participation, often reinforcing existing social inequalities (Duche-Pérez et al., 2024). Furthermore, digital citizenship is positively associated with political activism, community involvement, and youth participation in democratic movements on a global scale (Cleofas, 2025; Saud & Margono, 2021). Emerging technologies have also fostered participatory governance, transparency, and increased voter turnout among young citizens (Helbing et al., 2023; Soyipov et al., 2024).

Despite these insights, gaps remain in understanding how these multiple dimensions interrelate across diverse contexts. Existing literature often treats digital engagement, democracy, and youth participation in isolation or within narrowly defined scopes. Few studies synthesize these areas comprehensively or map the conceptual terrain using advanced tools such as Scopus AI or concept mapping. There is also limited exploration of emerging interdisciplinary themes or perspectives from topic experts.

To address this gap, this review aims to systematically analyse the evolving research landscape at the nexus of youth, democracy, and digital technology. Using Scopus AI, the study generates a concept map to visualize the intellectual structure of the field, identifies key thought leaders, and synthesizes emerging themes across disciplines. By integrating insights from diverse studies, the paper seeks to advance a more holistic understanding of how digital technologies influence youth engagement with democratic processes.

This study contributes to the academic discourse by offering a conceptual synthesis grounded in recent empirical findings, while also highlighting practical implications for policy, education, and participatory governance. Specifically, it offers: (1) a data-drive conceptual framework derived from Scopus AI that visually and systematically maps the structure of the field, defining the hierarchical relationships between key thematic clusters (civic participation, digital citizenship, and challenges); (2) an integrative synthesis that moves beyond fragmented literature to identify core theoretical mechanisms and contextual factors (e.g., digital competence, global networking) that link digital technology to youth democratic engagement; and (3) a highly focused policy and research agenda that explicitly addresses underexplored areas (e.g., Global South contexts, algorithmic bias) and provides structured guidance for future intervention design.

The remainder of this paper is organized as follows. Section 2 outlines the methodological approach, including search strategy and AI-assisted concept mapping. Section 3 outlines the results and discussion, beginning with a synthesis of the literature organized by the Scopus AI analysis, focusing on the key thematic clusters of digital technology and youth democracy, challenges, civic participation, and digital citizenship, followed by a discussion of topic experts and emerging themes. Section 4 discusses implications and areas for future inquiry. The paper concludes by emphasizing the critical role of digital technologies in shaping an inclusive, engaged, and democratic future for youth.

2. Research Methodology

This study employed a structured and data-driven narrative review methodology using Scopus AI, a cutting-edge artificial intelligence tool integrated with the Scopus database, to explore how digital technologies influence youth democratic engagement, with particular focus on civic participation, digital citizenship, and related challenges. This narrative review aims to integrate and interpret conceptual insights across diverse disciplines to provide a holistic understanding of the topic.

The literature search was conducted on 11 September 2025 and was designed to support the article's central aim: to provide an in-depth understanding of how digital technologies influence democratic engagement among youth, identify topic experts, and highlight emerging themes within the research landscape. To ensure the review was comprehensive and focused, a Boolean search string was developed to capture relevant literature across multiple domains. The final search string used in Scopus AI was:

("digital technology" OR "technology" OR "digital media" OR "online tools") AND ("youth" OR "young people" OR "adolescents" OR "teenagers") AND ("engagement" OR "participation" OR "involvement" OR "interaction") AND ("democracy" OR "politics" OR "civic" OR "governance") AND ("social media" OR "internet" OR "platforms" OR "communication").

To capture contemporary developments, the review included studies published between 2010 and 2025. The selection criteria focused on relevance to youth and democracy, conceptual richness, and the inclusion of digital participation or civic technology perspectives. This search returned a rich dataset of peer-reviewed articles,

book chapters, and conference proceedings spanning interdisciplinary fields such as political science, media studies, education, communication, and information systems. Scopus AI generated a Summary and Expanded Summary, synthesizing core findings and providing an overview of thematic trends. These summaries highlighted that digital technologies, especially social media platforms, play a transformative role in increasing civic awareness, political mobilization, and participatory governance among youth, while also introducing concerns about digital inequality, misinformation, and ethical use of online spaces (Duche-Pérez et al., 2024; Šimková & Kárníková, 2024).

The analytical process involved several stages: (1) **summary and expanded summary analysis** to identify central findings and research contexts; (2) **concept mapping** to visualize relationships among key concepts; (3) **topic expert profiling** to identify leading contributors in the field; and (4) **emerging theme identification** to synthesize consistent and rising themes. These stages collectively enabled a comprehensive narrative synthesis that connects digital technologies to youth democratic participation. This method allows for interpretive depth and conceptual integration rather than exhaustive statistical analysis, aligning with the purpose of a narrative review to generate theoretical insights and policy-relevant implications.

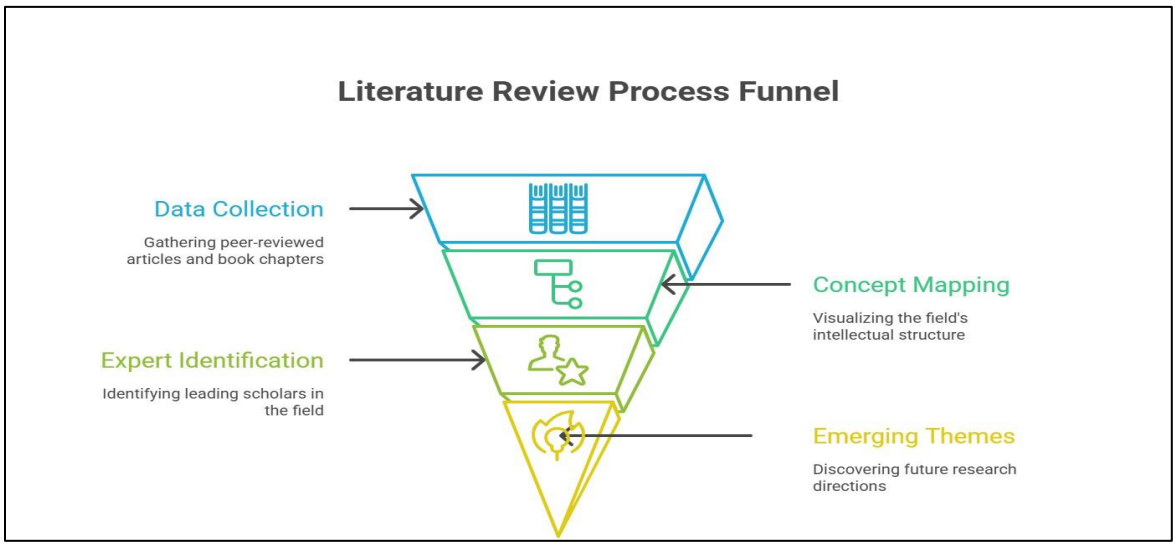
The Concept Map generated by Scopus AI offered a visual representation of the field's intellectual structure. Central nodes included "digital citizenship," "youth activism," "social media," "political participation," and "digital literacy." Peripheral but growing areas involved "algorithmic governance," "e-democracy," and "digital ethics." The mapping revealed that the research landscape is fundamentally organized around three core, interconnected thematic clusters, which structure the subsequent discussion: Challenges, Civic Participation, and Digital Citizenship (Cleofas, 2025; Helbing et al., 2023).

To further enhance the depth of this review, the Topic Experts feature in Scopus AI identified leading scholars based on citation metrics and publication volume. Notable contributors to the field included J.V. Cleofas (digital citizenship and civic engagement in Southeast Asia), D. Helbing (digital democracy and participatory design), and E. Pavan (youth social media activism and progressive politics). These scholars represent different geographical and disciplinary perspectives, strengthening the global relevance of the study (Pavan & Earl, 2025; Cleofas, 2025; Helbing et al., 2023).

Finally, the Emerging Themes generated by Scopus AI pointed to several future directions for research, such as the use of AI-driven civic platforms, gamified participation models, and critical digital pedagogy in youth civic education. These emerging trends reflect a shift from passive consumption to active creation and critique of digital content, indicating a maturing of digital democratic practices among youth (Fischli & Muldoon, 2024; Farmer, 2018).

The research funnel in Figure 1 is a visual representation of the systematic process used to narrow down a large number of articles to a final, manageable set for analysis. It illustrates the progression from a broad initial search to the final selection of highly relevant sources. In summary, the methodological use of Scopus AI enabled a rigorous, comprehensive, and multi-layered review of literature. It facilitated the identification of dominant themes, leading scholars, and promising directions for future inquiry, thereby supporting the article's aim to chart the evolving role of digital technologies in shaping youth engagement with democracy.

Figure 1: Literature Review Process Funnel



Source: Author's own construction (Generated using Napkin.Ai)

3. Results and Discussion

The findings derived from the Scopus AI analysis conducted on 11 September 2025 provide a comprehensive view of the intersection between digital technologies, youth, and democracy by highlighting summary, expanded summary, concept map, topic experts and emerging themes.

Summary and expanded summary

The analysis of the literature reveals that digital technologies play a transformative role in shaping youth engagement and democratic practices. A consistent theme emerging across studies is that digital culture has expanded how young people interact with society, cultivating broader political awareness and the development of a civic identity through digital platforms and social networks (Duche-Pérez et al., 2024; Escofet, 2020). This expansion of civic spaces highlights the ability of youth to transcend geographic and temporal barriers, positioning them as global citizens who participate in communities unrestricted by physical boundaries.

Digital technologies, particularly social media, have been found to revitalize deliberative democratic practices by providing interactive platforms for discussion, mobilization, and activism. These platforms not only allow youth to share opinions and mobilize peers but also facilitate political education and democratization by fostering accessible, user-driven forms of participation (Akmal, 2018; Helbing et al., 2023). In this sense, digital tools act as both pedagogical and political instruments that amplify the political agency of younger generations.

However, the evidence also underscores that the benefits of digital engagement are counterbalanced by significant challenges. A recurrent concern in the literature is the proliferation of misinformation, political polarization, and online harassment, all of which threaten to undermine democratic processes (Duche-Pérez et al., 2024; Asimakopoulos et al., 2025). These risks are compounded by structural inequalities, such as disparities in access to digital tools and varying levels of digital literacy, which can exclude marginalized groups from meaningful civic participation. The digital divide, therefore, remains a critical obstacle to ensuring equitable youth engagement in democracy.

The ethical implications of digital technologies further complicate this landscape. Scholars highlight the duality of digital tools as both enablers of democratic participation and mechanisms of social control. Concepts such as the "digital panopticon" point to growing concerns about surveillance, data privacy, and the potential emergence of digital authoritarianism (Baranov, 2021). These concerns necessitate stronger regulatory measures to balance technological innovation with democratic safeguards, ensuring that civic technologies are deployed in ways that enhance, rather than restrict, participatory governance (Helbing et al., 2023; Asimakopoulos et al., 2025).

Despite these risks, empirical evidence demonstrates that digital technologies continue to strengthen civic and political engagement among youth. Meta-analyses and large-scale reviews reveal that online activities such as political blogging, consuming digital news, and engaging in online political discussions have tangible offline consequences, translating into higher rates of political participation and activism (Boulianne & Theocharis, 2020). Similarly, digital media initiatives such as online voter registration systems and social media campaigns have been shown to increase youth voter turnout, illustrating the potential of technology to bridge the gap between online and offline participation (Soyipov et al., 2024).

Taken together, the findings underscore the multifaceted role of digital technologies in shaping youth and democracy. While digital platforms empower young people by creating new opportunities for civic expression, activism, and education, they also introduce ethical, political, and structural challenges that require careful consideration. Addressing issues of inequality, polarization, and digital ethics will be crucial to harnessing the full democratic potential of digital technologies for future generations.

Concept map

Figure 2: Concept map of Digital Technologies and Youth Democracy

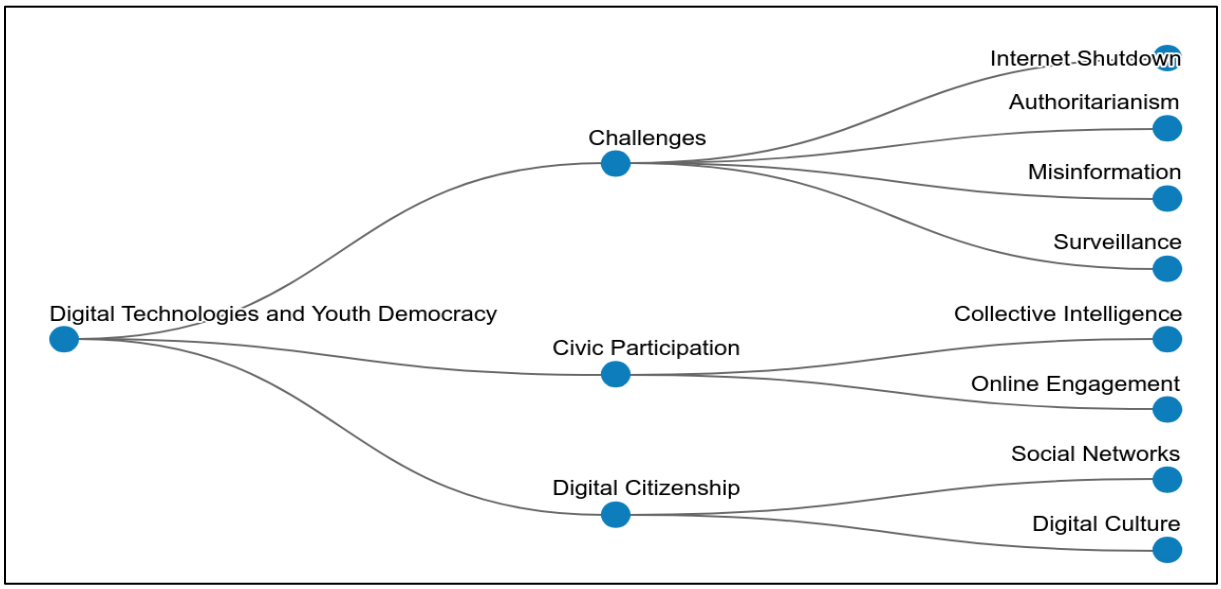


Figure 2 shows a concept map generated by Scopus AI on 11 September 2025 provides a visual representation of the thematic structure within the research domain of *digital technologies and youth democracy*. At its core, the map highlights three interconnected clusters: Challenges, Civic Participation, and Digital Citizenship, which together define the key areas of scholarly attention in this field.

Digital Technology and Youth Democracy

Digital technologies have emerged as a powerful force in shaping the democratic participation of youth, transforming how young people access information, communicate, and engage with civic life. Studies highlight that digital tools and platforms expand the scope of political participation by enabling access to real-time information, providing new spaces for activism, and fostering innovative forms of civic expression. These technologies support the development of digital literacy, online collaboration, and community participation, which together help cultivate civic identities and political awareness among young people (Arndt & Davis, 2010; Duche-Pérez et al., 2024; Escofet, 2020). By facilitating broader access to democratic processes, digital platforms act as gateways for young citizens to understand and influence societal change.

A central benefit of digital technologies lies in their capacity to enhance civic engagement and activism. Social networks and online communities allow young people to mobilize around causes, connect across geographic boundaries, and contribute to grassroots political movements. This digital engagement not only amplifies youth

voices but also promotes a sense of belonging to a larger civic community, thereby reshaping traditional boundaries of participation. Importantly, these practices demonstrate the growing role of young citizens as active contributors to democratic processes rather than passive recipients of political discourse (Duche-Pérez et al., 2024; Escofet, 2020).

However, the literature also acknowledges that digital engagement is not without its challenges. The proliferation of misinformation, political polarization, and online harassment threatens to undermine confidence in democratic institutions and erode the quality of public debate. These issues can distort political communication, leading to fragmented civic dialogue and weakened democratic outcomes. Scholars caution that such risks must be addressed to safeguard the democratic potential of digital technologies and prevent them from exacerbating existing inequalities in political participation (Duche-Pérez et al., 2024). Ensuring the ethical use of digital platforms remains a pressing concern in fostering sustainable digital democracies.

Beyond their civic and political dimensions, digital technologies also carry significant educational value. Scholars emphasize that digital platforms can support both active and passive learning experiences, fostering interaction, continuity, and purpose. These qualities align with the broader pedagogical aim of equipping young people with the capacities necessary for citizenship in what Dewey described as a "creative democracy." By integrating civic learning with digital engagement, young people develop critical thinking, digital literacy, and the reflective capacities required to act as informed and responsible digital citizens (Coulter, 2018). Such educational perspectives underscore the role of technology not just as a political tool, but as a medium for shaping long-term civic dispositions.

Finally, a global perspective reveals that the role of digital technologies in youth democracy is far from uniform. Case studies and comparative analyses demonstrate both similarities and differences in how young people engage civically through digital media across diverse cultural and political contexts. While the underlying drive for participation and activism is shared, the strategies and outcomes vary depending on local opportunities, access to technology, and socio-political environments. These findings suggest that while digital technologies have a universal capacity to empower youth, their impact must be understood in light of contextual differences, reinforcing the need for inclusive and culturally sensitive approaches to fostering digital democracy (Sampaio et al., 2024).

Challenges in Digital Technologies and Youth Democracy

The integration of digital technologies into democratic processes has raised high expectations for improving participation and inclusivity, particularly among youth. However, these expectations are often accompanied by significant challenges. One major issue is that digital platforms, while expanding access to political discourse, can also undermine democratic deliberation by fostering superficial engagement or polarizing debate. Scholars argue that the rapid adoption of digital technologies has redefined how democracy functions but has simultaneously created a fragmented public sphere where meaningful discussion is increasingly difficult to sustain (Sala, 2021). This paradox illustrates the dual role of technology as both an enabler and a disruptor of youth democracy.

Youth work in a digital society also reveals complex organizational challenges. The integration of digital technologies into youth development initiatives has transformed both interactions and institutional practices, offering new opportunities for empowerment while also complicating the roles of educators and practitioners (Zaremohzzabieh et al., 2020). The shift toward digital-first approaches requires rethinking how organizations engage young people, as over-reliance on technology risks alienating those without equal access or digital literacy. This uneven distribution of benefits underscores the persistent challenge of ensuring inclusivity within youth democracy.

The Digital Age Challenge, referring to the exponential growth in youth use of digital technologies, further complicates the democratic landscape. Young people are navigating complex transnational spaces that transcend local, national, and international boundaries, requiring educators, policymakers, and institutions to adapt rapidly to evolving digital behaviors (Armour et al., 2020). The scale and speed of these changes highlight a structural challenge; traditional governance and education systems often struggle to keep pace with the dynamism of digital youth culture, resulting in gaps in regulation, participation, and civic preparedness.

In regions such as Africa, the challenges of youth democracy intersect with broader systemic issues of governance, leadership, and development. While digital transformation offers opportunities to strengthen democratic practices, weak leadership and poor governance often limit its potential impact (Maseko, 2024). In such contexts, technology can either support democratization by facilitating civic mobilization or reinforce existing inequalities when access is uneven. Similarly, youth participatory evaluation processes often face obstacles in engaging young people meaningfully. Digital technologies can assist in overcoming these barriers by creating attractive and interactive platforms that empower youth to contribute to democratic evaluation, yet ensuring sustained engagement remains a challenge (Liu, 2022).

Finally, digital technologies have redefined youth mobility and raised new concerns for policymakers. In rural contexts, virtual mobilities allow young people to transcend physical limitations, but they also present new forms of exclusion for those unable to participate fully in digital spaces (Gwaka, 2018). Furthermore, the convergence of youth culture and digital communication technologies has heightened governance debates around online child safety, as policymakers grapple with protecting young users while ensuring their civic freedoms (Savirimuthu, 2012). Together, these findings suggest that while digital technologies hold transformative potential for youth democracy, their challenges, ranging from governance and inclusivity to polarization and safety, must be carefully addressed to secure equitable and sustainable democratic engagement.

Digital Technologies and Youth Democracy in Relation to Civic Participation

Digital technologies and social networks have fundamentally reshaped civic participation among young people, providing new avenues for interaction, identity formation, and political awareness. Research highlights that digital culture has facilitated broader and more inclusive civic engagement by allowing youth to connect across geographical and social boundaries (Duche-Pérez et al., 2024). Platforms such as Facebook, Twitter (now X), and TikTok have not only amplified youth voices but also contributed to the development of civic identities, encouraging young people to see themselves as active agents within democratic societies. This transformation reflects a shift from traditional forms of participation to hybrid modes where online engagement complements offline democratic practices.

A key finding across the literature is the link between informal online civic participation and formal offline involvement. Activities such as sharing political content, commenting on social issues, or supporting online campaigns have been positively correlated with perceptions of offline opportunities and actual participation in civic life (Dias Fonseca, 2019). This demonstrates that digital technologies act as bridges between online and offline civic spheres, reinforcing the idea that digital engagement does not replace but rather extends traditional democratic practices. For youth, this interconnectedness reduces barriers to participation by offering low-threshold entry points into civic life, which may later evolve into more formal and structured democratic involvement.

The rise of Web 2.0 technologies has been particularly influential in shaping these dynamics. Tools such as blogs, wikis, and social media platforms have provided youth with accessible and interactive spaces for political discourse, activism, and collective decision-making (Papaioannou, 2013). These tools not only foster peer-to-peer engagement but also enable grassroots organizing, thereby decentralizing civic participation and allowing young people to mobilize around issues that matter to them. In this way, digital technologies democratize access to civic spaces by empowering marginalized voices, diversifying perspectives, and challenging traditional hierarchies in political participation.

Another important dimension is the role of digital technologies in fostering critical thinking and responsible citizenship. Scholars argue that access to diverse online information and discussions enhances young people's capacity to evaluate, critique, and deliberate on social and political issues (Gonzalez-Mohino et al., 2023). Moreover, service-learning initiatives integrated with digital tools offer youth authentic opportunities to experience solidarity, responsibility, and community service, reinforcing the link between civic action and ethical responsibility (Escofet, 2020). These findings highlight the educational and developmental value of digital technologies, which go beyond facilitating engagement to shaping civic dispositions and democratic competencies among youth.

Finally, digital citizenship has emerged as a strong predictor of global civic engagement, linking local participation with broader transnational concerns. For example, research among Filipino youth shows that digital citizenship fosters involvement in civic organizations, activism, and global solidarity efforts (Cleofas, 2025). This demonstrates how digital technologies enable young people not only to engage in domestic democratic processes but also to participate in global debates on climate change, human rights, and social justice. The globalization of civic participation through digital tools underscores the evolving nature of youth democracy in the 21st century, where young people are simultaneously local and global actors.

Digital Technologies and Youth Democracy in Relation to Digital Citizenship

The rise of digital technologies has redefined youth democracy by embedding digital citizenship as a central component of civic participation. Digital culture has transformed how young people interact with their communities, encouraging them to form broader identities and heightened political awareness through online platforms and social networks (Duche-Pérez et al., 2024). Social media, online forums, and collaborative digital tools allow youth not only to consume information but also to contribute to public discourse. This has resulted in new forms of civic engagement, such as online activism and participation in community-based digital projects, which extend traditional democratic practices into digital spaces.

One of the most significant contributions of digital technologies to youth democracy is the facilitation of global civic engagement. Evidence from the Philippines shows that digital citizenship strongly predicts global civic activism, suggesting that digital tools empower young people to see themselves as part of a transnational civic community (Cleofas, 2025). By connecting local experiences with global concerns, digital platforms have enabled youth to participate in movements on climate change, social justice, and human rights, reinforcing the dual role of youth as both local and global democratic actors. This shift illustrates the growing potential of digital citizenship to transcend geographic boundaries and reshape democratic participation on a global scale.

The foundation of effective digital citizenship lies in digital literacy and civic skills. Scholars argue that without adequate skills, young people may lack the capacity to critically evaluate information, engage responsibly in online discussions, or protect themselves against misinformation and manipulation (Duche-Pérez et al., 2024). Research further shows that the development of digital and socio-civic skills is strongly tied to participatory profiles, meaning that the more literate and skilled youth are in digital contexts, the more likely they are to actively and responsibly engage in civic life (Peart et al., 2022). Thus, education systems must prioritize equipping young people with these competencies to prepare them for active digital citizenship.

Despite these opportunities, challenges persist in integrating digital citizenship within youth democracy. Political polarization, the spread of misinformation, and exposure to online harassment pose significant risks that can undermine confidence in democratic institutions and degrade the quality of civic dialogue (Duche-Pérez et al., 2024). These challenges highlight the tension between the democratizing potential of digital platforms and the ethical, social, and political risks associated with their misuse. Addressing these issues requires stronger policies that promote media literacy, regulate online environments, and ensure equitable access to digital resources.

In conclusion, digital technologies have fundamentally shaped youth democracy by advancing the concept of digital citizenship. They enable broader civic engagement, enhance global solidarity, and empower youth to act as informed and responsible democratic participants. However, the benefits of digital citizenship are contingent upon access to digital resources, the cultivation of literacy and civic skills, and the mitigation of online risks. As such, digital citizenship represents both an opportunity and a responsibility, offering pathways to strengthen youth democracy while demanding careful navigation of its inherent challenges.

Insights from Topic Experts

The role of digital technologies in shaping youth democracy can be better understood by examining the contributions of key experts in the field. Ellen Middaugh has significantly advanced scholarship on youth civic engagement through her exploration of participatory politics in the digital era. Her work emphasizes how digital platforms, particularly social media, provide young people with unprecedented opportunities to express political opinions, mobilize peers, and participate in democratic processes. At the same time, Middaugh underscores the importance of civic media literacy, the ability to critically evaluate information online as a

safeguard against misinformation and manipulation. This dual focus on empowerment and critical literacy highlights both the opportunities and responsibilities inherent in digital citizenship, suggesting that digital engagement is most effective when paired with educational strategies that equip youth to navigate the complexities of civic life online (Kahne & Middaugh, 2015).

Emerging voices such as Gabriel G. Malli extend this dialogue by examining the educational potential of social media for political learning. Malli's recent work highlights how social media journalism functions as a tool for civic education, helping youth contextualize political events and form independent judgments. Moreover, Malli's use of participatory research methods, such as visual autoethnographies, provides an innovative approach to centering youth perspectives in democratic scholarship. By amplifying young people's voices and experiences, Malli's research underscores the importance of designing civic education initiatives that are not only informed by but also co-created with youth, ensuring their active agency in shaping democratic practices (Pavan & Earl, 2025).

In contrast, Lynn Schofield Clark offers a more established perspective with extensive contributions to the study of youth, social media, and democracy. Clark's research emphasizes how digital platforms can foster counterpublics, or alternative spaces where marginalized groups of youth develop civic voices that challenge dominant narratives. These counterpublics are critical for understanding the transformative potential of digital democracy, as they demonstrate how social media enables the amplification of youth perspectives often excluded from mainstream political discourse. Importantly, Clark also highlights the challenges associated with these spaces, including online hostility and the need for inclusivity, which reflect broader tensions between empowerment and exclusion in digital civic participation (Marchi & Clark, 2021).

Taken together, these experts highlight a continuum of insights that enrich the understanding of digital technologies and youth democracy. Middaugh emphasizes the intersection of engagement and literacy, Malli focuses on the educational role of social media and youth-centered methodologies, while Clark explores the transformative potential of counterpublics and inclusive digital practices. Their combined perspectives reveal that digital citizenship is not merely about online presence but about cultivating informed, empowered, and inclusive democratic actors capable of leveraging technology for civic change.

The synthesis of these expert contributions underscores that the relationship between digital technologies and youth democracy is multifaceted, combining empowerment, education, and inclusivity with challenges of misinformation, polarization, and access. These insights are crucial for policymakers, educators, and practitioners seeking to design initiatives that not only integrate digital tools into democratic practices but also address the ethical and structural challenges facing young people in digital environments.

Emerging theme

A consistent theme in the literature is the critical role of digital competence and youth engagement in shaping youth democracy. Digital competence, defined as the ability to effectively use, evaluate, and create digital content, has become a foundational requirement for civic participation in the digital era. Research highlights that young people with higher levels of digital literacy are more likely to engage in online activism, participate in civic discussions, and contribute to democratic processes (Duche-Pérez et al., 2024; Peart et al., 2022). This consistent emphasis on digital literacy underscores the need for comprehensive educational initiatives that not only provide technical skills but also foster critical media literacy and socio-civic awareness. In this way, equipping youth with digital competence strengthens both individual empowerment and collective democratic engagement.

Another consistent theme relates to digital democracy innovations, which highlight how technology is reshaping governance and participation. Innovations such as online voting systems, digital deliberation platforms, and the integration of artificial intelligence into civic engagement are consistently cited as tools with the potential to improve transparency and inclusivity (Helbing et al., 2023). These innovations are especially significant for younger generations who are more likely to adopt and adapt to digital tools in democratic contexts. While the literature suggests that digital platforms can increase voter turnout and civic participation, scholars caution that these innovations must be accompanied by robust ethical frameworks to prevent issues such as exclusion, privacy breaches, and algorithmic bias.

Emerging as a rising theme is youth digital activism, which reflects the increasing agency of young people in leveraging digital platforms for advocacy and social change. Scholars document how social media enables young activists to organize protests, raise awareness, and mobilize transnational movements with unprecedented speed and scope (Pavan & Earl, 2025; Caron et al., 2019). Unlike traditional activism, digital activism allows for decentralized and networked forms of mobilization, amplifying marginalized voices and expanding the reach of youth-led movements. This rising theme emphasizes the power of digital tools not only to engage youth in existing democratic frameworks but also to push the boundaries of what democratic participation looks like in the 21st century.

A parallel rising theme concerns the digital public sphere and democracy, reflecting growing scholarly attention to how digital platforms are reshaping public discourse. Digital spaces create opportunities for more inclusive dialogue, enabling diverse groups of young people to engage in political debates that transcend geographic boundaries (Asimakopoulos et al., 2025; Clark & Marchi, 2017). However, this transformation also raises concerns about technological determinism, algorithmic manipulation, and the concentration of power in the hands of major platform owners. These issues can undermine democratic quality by distorting attention, spreading misinformation, and reinforcing echo chambers. Thus, while digital public spheres enhance accessibility, they also present challenges that demand regulatory and civic interventions.

Taken together, the consistent and rising themes illustrate both the stability and evolution of scholarly attention to digital technologies and youth democracy. Digital competence and democracy innovations remain enduring priorities, reflecting the long-term importance of equipping youth with skills and tools for civic engagement. At the same time, rising themes such as youth digital activism and the digital public sphere signal emerging areas where young people are actively reshaping democratic participation. These themes collectively suggest that the future of youth democracy will be defined not only by access to technology but also by how effectively young people, educators, policymakers, and platform designers address the opportunities and challenges of digital civic life.

4. Conclusion

This review has examined the complex relationship between digital technologies, youth, and democracy, with a particular focus on civic participation, challenges, and digital citizenship. The findings underscore that digital technologies play a pivotal role in reshaping how young people engage in democratic processes. Consistent evidence shows that digital culture expands civic spaces, enabling youth to develop broader political awareness, participate in online activism, and engage in transnational movements. At the same time, persistent challenges such as misinformation, political polarization, online harassment, and digital inequalities remain significant barriers to achieving inclusive and equitable democratic engagement.

From a theoretical perspective, this study significantly advances the discourse by leveraging an AI-assisted systematic methodology to clarify the field's structure, a step often lacking in traditional reviews. It contributes by offering a cohesive conceptual synthesis that validates and visualizes the core mechanisms linking digital technology to democratic engagement. Specifically, the findings confirm that the field is fundamentally structured around three intersecting pillars, which are Civic Participation, Digital Citizenship, and Challenges, thereby providing a validated conceptual framework for scholars to use when developing and testing future theoretical models of youth political behavior in the digital era. This framework reinforces the theoretical shift from viewing youth as passive citizens to active, networked agents of democratic change.

The practical implications of this review are equally significant. Policymakers, educators, and civic organizations must recognize the necessity of integrating digital literacy and socio-civic skills into education systems to prepare youth for responsible and informed participation. Additionally, innovations in digital democracy, such as online voting and AI-assisted civic platforms, hold potential to increase inclusivity and engagement if implemented with ethical safeguards. For practitioners, supporting youth-led digital activism and fostering safe, equitable online environments are critical steps toward harnessing the democratic potential of technology.

However, the study also acknowledges important limitations. First, much of the available literature remains fragmented across disciplines, limiting the integration of findings into a cohesive framework. Second, most

research is concentrated in Western or urban contexts, which restricts understanding of how digital technologies function in rural or Global South settings. Third, emerging technologies such as artificial intelligence and algorithm-driven participation are still underexplored in relation to youth democracy, creating gaps in both theory and practice.

Building on these limitations, future research should pursue several directions. Comparative studies across cultural and political contexts are essential to capture the diverse experiences of youth with digital democracy. Longitudinal research could shed light on how digital civic engagement evolves, particularly as younger generations mature into lifelong democratic participants. Further, interdisciplinary research integrating political science, education, and media studies will be vital to address the challenges of misinformation, algorithmic bias, and digital inequalities. Finally, future work should explore how emerging technologies such as AI, gamification, and immersive media can be designed to support ethical, inclusive, and sustainable democratic participation among youth.

In conclusion, digital technologies represent both opportunities and challenges for youth democracy. By fostering digital competence, addressing structural inequalities, and ensuring ethical governance of digital platforms, societies can support a generation of informed, empowered, and globally connected youth who are prepared to shape the future of democracy.

Acknowledgment: The authors would like to express their sincere gratitude to the Kedah State Research Committee, UiTM Kedah Branch, for the funding provided under the Tabung Penyelidikan Am. This support was crucial in facilitating the research and ensuring the successful publication of this article.

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