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## Media Literacy as an Instrument for Controlling Disinformation and Hoaxes in the Digital Public Space of Contemporary Society

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### Key Words:

Media Literacy,  
Disinformation,  
Hoaxes, Public  
Communication

**Abstract:** The expansion of the digital public sphere has broadened access to information while simultaneously intensifying the circulation of disinformation and hoaxes that threaten the quality of public discourse and democratic processes. This study aims to examine the role of media literacy as an instrument for controlling disinformation and hoaxes in contemporary society. Employing a qualitative approach through library research, this study analyzes scholarly books, reputable national and international journal articles, and relevant official documents published over the past decade. The findings indicate that media literacy is effective in enhancing citizens' critical engagement with digital information, reducing susceptibility to believing and sharing false content, and functioning optimally as a context-sensitive preventive strategy. This study concludes that media literacy constitutes a strategic instrument for strengthening societal resilience to disinformation and carries important implications for the development of educational policies and public communication strategies in the digital era.

### Introduction

The rapid development of information and communication technologies has fundamentally reshaped the ways in which societies produce, distribute, and consume information. Public spaces that were once dominated by mainstream media have increasingly transformed into digital public spheres characterized by openness, immediacy, and extensive public participation through social media platforms. While this transformation has expanded access to information, it has simultaneously generated serious challenges, particularly the widespread and accelerated circulation of disinformation and hoaxes, often occurring in the absence of adequate verification mechanisms. Global research consistently demonstrates that disinformation not only misleads individuals but also undermines public trust in institutions, disrupts democratic processes, and poses significant social and public health risks (Guess et al., 2020; Wardle & Derakhshan, 2017).

In the Indonesian context, the challenge of disinformation and hoaxes has become

increasingly complex due to the high penetration of internet access and social media use, which has not been accompanied by an equitable level of digital literacy across society. Numerous national reports and empirical studies indicate that the public remains highly vulnerable to manipulative content that exploits political narratives, religious sentiments, and social identities. This condition suggests that the problem of disinformation is not merely technological but is deeply embedded in cultural and educational structures. Consequently, effective efforts to mitigate disinformation must prioritize approaches that strengthen citizens' critical capacities as media users (Marlina, 2022; Dianah, 2024).

From an academic standpoint, disinformation and hoaxes have become central concerns within communication studies and the social sciences over the past decade. Scholarly attention has gradually shifted from examining the characteristics of false content alone to investigating how individuals cognitively process, evaluate, and respond to information within algorithmically mediated digital environments. Within this framework, media literacy is conceptualized as a set of cognitive, critical, and ethical competencies that enable individuals to access, analyze, evaluate, and responsibly produce media messages (Hobbs, 2019). Media literacy thus extends beyond technical proficiency, aiming to foster critical awareness of media power, ideological influences, and vested interests embedded in digital content.

The urgency of research on media literacy is further reinforced by mounting evidence of the tangible social consequences of disinformation. Experimental studies by Guess, Nyhan, and Reifler (2020) demonstrate that media literacy interventions can significantly enhance individuals' ability to distinguish between accurate information and misinformation. However, these effects are highly contingent upon intervention design and sociocultural context. Such findings are corroborated by a meta-analysis conducted by Huang et al. (2024), which concludes that media literacy programs generally strengthen resilience to misinformation, while also revealing considerable variation in outcomes depending on intervention duration, pedagogical approaches, and participant characteristics.

Recent scholarship has also explored innovative media literacy strategies, including prebunking techniques and prosocial learning approaches. Orosz et al. (2024) report that media literacy interventions designed to prevent early exposure to disinformation patterns tend to produce more durable effects than interventions that rely solely on corrective measures. Nevertheless, the majority of these studies have been conducted in Global North contexts characterized by relatively homogeneous media systems and educational infrastructures. This raises critical questions regarding the applicability and effectiveness of media literacy

frameworks in non-Western societies, such as Indonesia, where cultural diversity, uneven educational attainment, and unequal access to digital technologies remain prominent challenges.

A review of the existing literature reveals several significant research gaps. First, robust empirical evidence regarding the effectiveness of media literacy interventions in controlling disinformation within Global South contexts remains limited. Second, most studies emphasize short-term post-intervention outcomes, while empirical investigations into the medium- and long-term sustainability of media literacy effects are still scarce. Third, there is a lack of research examining the underlying mechanisms through which media literacy influences information-sharing behaviors, as well as the moderating roles of demographic factors, social identity, and platform-specific characteristics. Moreover, qualitative studies that explore how media literacy skills are internalized and enacted in everyday social practices remain underrepresented (Hobbs, 2019; Huang et al., 2024).

Against this backdrop, the present study addresses the central question of the extent to which media literacy can function as an effective instrument for controlling disinformation and hoaxes within the digital public sphere of contemporary society. Specifically, this study aims to examine the effectiveness of media literacy in enhancing citizens' critical engagement with digital information, identify the factors that shape the success of media literacy initiatives in specific sociocultural contexts, and formulate theoretical as well as practical implications for the development of educational policies and public communication strategies. By doing so, this research is expected to contribute both academically to the advancement of media literacy scholarship and practically to strengthening societal resilience against disinformation in the digital era.

## **Research Methods**

This study adopts a qualitative approach employing a library research method. This methodological choice is grounded in the study's objective to conduct a rigorous conceptual and critical examination of ideas, empirical findings, and theoretical frameworks that have emerged within scholarly discussions on media literacy and disinformation in the digital public sphere. Library research facilitates a systematic and in-depth engagement with diverse academic perspectives, enables comparative analysis of prior research findings, and supports the development of a comprehensive conceptual synthesis based on authoritative scholarly sources (Zed, 2018; Snyder, 2019). Accordingly, this study does not aim to empirically test hypotheses but rather to advance a theoretically informed and analytically grounded

understanding of media literacy as an instrument for controlling disinformation.

The data utilized in this study consist exclusively of secondary sources derived from credible and reputable academic literature. These sources include: (1) scholarly books addressing theories of media literacy, digital communication, and disinformation; (2) peer-reviewed national and international journal articles published within the past ten years, particularly those indexed in Scopus, Web of Science, and SINTA; and (3) official documents such as reports issued by international and national institutions concerned with disinformation and media literacy. The temporal limitation on publication dates is applied to ensure both the novelty (state of the art) and the analytical relevance of the reviewed literature to contemporary developments in digital communication research (Creswell & Poth, 2018).

Data collection is conducted through a series of structured and systematic stages. The first stage involves literature identification, which entails searching academic databases such as Google Scholar, Scopus, and national journal repositories using keywords including *media literacy*, *disinformation*, *fake news*, *digital public sphere*, and *misinformation*. The second stage comprises literature selection, whereby sources are screened according to predefined inclusion criteria, including thematic relevance, publisher credibility, year of publication, and the extent of their theoretical or empirical contribution to media literacy scholarship. The third stage consists of literature classification, in which selected sources are organized into thematic categories, such as conceptual frameworks of media literacy, mechanisms and dynamics of disinformation, the effectiveness of literacy-based interventions, and the socio-cultural contexts of their implementation. This classification process is intended to facilitate systematic analysis and coherent synthesis of the reviewed data (Zed, 2018).

Data analysis in this study integrates content analysis and thematic analysis, complemented by a critical-comparative approach. Content analysis is employed to identify recurring concepts, definitions, and dominant patterns of argumentation across the literature on media literacy and disinformation (Krippendorff, 2019). Subsequently, thematic analysis is applied to distill overarching themes that reflect research trends, prevailing analytical approaches, and key findings concerning the role of media literacy in mitigating disinformation (Braun & Clarke, 2021). In addition, critical-comparative analysis is used to juxtapose theoretical perspectives and empirical findings, particularly between studies conducted in the Global North and those in the Global South, in order to identify research gaps and highlight directions for future scholarly inquiry.

Through these analytical procedures, the data are not merely summarized but are

subjected to critical interpretation to generate a coherent, integrative, and theoretically robust conceptual synthesis. This methodological framework enables a deeper and more nuanced understanding of media literacy as a strategic instrument for addressing disinformation within the digital public sphere of contemporary society. Consequently, the adopted research method is expected to provide a solid theoretical foundation and to make a meaningful academic contribution to the advancement of communication and media literacy studies.

## **Research Results**

Based on a systematic review of relevant national and international scholarly literature, this study finds that media literacy constitutes a strategic and multidimensional instrument for mitigating disinformation and hoaxes within the digital public sphere of contemporary society. The reviewed evidence demonstrates that media literacy operates not merely as a technical skill set but as a critical cognitive and normative framework that shapes how individuals interpret, evaluate, and engage with digital information. The principal findings emerging from the literature are organized into the following analytical subthemes.

### **1. Media Literacy and the Enhancement of Critical Engagement with Digital Information**

A substantial body of literature indicates that media literacy significantly enhances individuals' critical engagement with digital information. Rather than functioning as passive recipients of media content, media-literate users are better equipped to critically assess information sources, contextual cues, and the credibility of digital messages. Empirical studies consistently show that higher levels of media literacy are associated with improved capacities to detect misinformation, recognize structural and ideological biases, and exercise restraint in sharing unverified content (Guess et al., 2020; Hobbs, 2019).

Beyond evaluative competence, media literacy also fosters reflective and ethically informed media practices. Media-literate individuals tend to consider not only informational accuracy but also the broader social and ethical consequences of content circulation within networked media environments. These findings suggest that media literacy functions as both a cognitive safeguard and a normative orientation, strengthening individual resilience against disinformation in increasingly complex and algorithmically mediated information ecosystems (Vraga & Tully, 2021).

### **2. Media Literacy as a Mechanism for Containing the Spread of Disinformation and Hoaxes**

The literature further demonstrates that media literacy plays a crucial role in reducing

individuals' susceptibility to believing and disseminating disinformation. Experimental studies and recent meta-analyses provide robust evidence that media literacy interventions—implemented through formal education as well as non-formal and community-based programs—enhance verification skills and significantly decrease intentions to share false or misleading content (Nyhan & Reifler, 2019; Huang et al., 2024). These findings underscore that effective disinformation mitigation cannot rely solely on platform governance or fact-checking infrastructures, but must also prioritize the cultivation of users' critical capacities.

At the same time, the reviewed studies reveal that the impact of media literacy is inherently context-sensitive. Media literacy appears more effective in preventing the initial uptake and circulation of disinformation than in reversing deeply entrenched beliefs, particularly when misinformation is intertwined with political, religious, or ideological identities. This pattern suggests that media literacy is most effective as a preventive intervention rather than a corrective mechanism once disinformation has been cognitively and emotionally internalized (Orosz et al., 2024).

### **3. Socio-Cultural Determinants of Media Literacy Effectiveness**

The findings also indicate that the effectiveness of media literacy initiatives is strongly conditioned by socio-cultural factors. Variables such as educational attainment, prevailing literacy cultures, levels of institutional trust, and dominant media consumption practices significantly shape how media literacy interventions are received and enacted. Research conducted in Global South contexts highlights that structural inequalities in information access, low public trust in mainstream media, and the influence of social authority figures can substantially constrain the impact of media literacy when interventions are not appropriately contextualized (Marlina, 2022; Dianah, 2024).

Accordingly, the literature emphasizes the importance of community-based and culturally responsive approaches to media literacy implementation. Programs that incorporate local values, employ culturally resonant language, and actively involve educators, community leaders, and other social actors demonstrate greater effectiveness in fostering critical awareness and sustainable media practices. These findings reinforce the argument that media literacy should not be conceptualized as a universally standardized intervention, but rather as an adaptive strategy tailored to the socio-cultural characteristics of specific communities.

## **Discussion**

The findings of this literature-based analysis underscore the strategic role of media literacy as a key instrument for mitigating disinformation and hoaxes within the digital public sphere of contemporary society. These findings align with dominant theoretical perspectives in media literacy scholarship that conceptualize individuals not as passive recipients of information, but as reflexive actors equipped with cognitive, critical, and ethical capacities to interpret and evaluate media messages (Hobbs, 2019). In an increasingly algorithm-driven and fragmented information environment, media literacy emerges as a fundamental prerequisite for meaningful and responsible civic participation.

### **1. Media Literacy and the Strengthening of Critical Civic Engagement**

From a theoretical standpoint, the evidence linking media literacy to enhanced critical engagement reinforces frameworks of critical communication and deliberative public sphere theory. Media literacy enables individuals to assess argumentative validity, identify ideological framing, and recognize power relations embedded in digital information flows. This supports Couldry's (2019) assertion that the digital public sphere is not a neutral arena but one structured by platform logics, political-economic interests, and algorithmic governance.

In comparison with previous empirical studies, these findings are consistent with those of Guess et al. (2020) and Vraga and Tully (2021), who demonstrate that media literacy improves evaluative judgment and cautious information-sharing behavior. However, the present analysis extends this literature by emphasizing that critical engagement is not solely cognitive but also normative, encompassing ethical reflection and social responsibility in digital participation. Media literacy, therefore, should be understood not merely as a technical skill set, but as a formative process shaping citizens' moral orientations within digital publics.

### **2. Media Literacy as a Preventive Strategy against Disinformation**

The discussion further reveals that media literacy functions more effectively as a preventive strategy than as a corrective mechanism for countering disinformation and hoaxes. This finding corroborates recent research by Orosz et al. (2024), which highlights the superior efficacy of prebunking approaches over post hoc debunking. By fostering anticipatory critical thinking prior to exposure, media literacy reduces individuals' vulnerability to manipulative narratives and misleading content.

Compared to reactive interventions such as fact-checking, media literacy offers a more sustainable and scalable approach by embedding critical capacity within individuals themselves. Nevertheless, as noted by Nyhan and Reifler (2019), media literacy has limited

effectiveness in reversing deeply entrenched beliefs, particularly when disinformation is intertwined with political, religious, or ideological identities. This limitation underscores that media literacy should not be treated as a standalone solution, but rather as part of a broader ecosystem of platform governance, regulatory frameworks, and public communication strategies.

### **3. Socio-Cultural Contexts and the Adaptive Nature of Media Literacy**

A key contribution of this study lies in its emphasis on the socio-cultural conditionality of media literacy effectiveness. The findings challenge universalistic assumptions that dominate much of the Global North-centric literature by demonstrating that media literacy outcomes are shaped by educational structures, literacy cultures, institutional trust, and prevailing media practices. Research conducted in Global South contexts illustrates that structural inequalities in information access, low trust in mainstream media, and the influence of social authority figures can significantly constrain the impact of media literacy initiatives when they are insufficiently contextualized (Marlina, 2022; Dianah, 2024).

Theoretically, this supports critiques of standardized media literacy models and reinforces arguments for context-sensitive and community-based approaches. Media literacy initiatives that integrate local cultural values, employ culturally resonant communication, and actively engage educators and community leaders are more likely to foster sustained critical awareness. These findings position media literacy as a dynamic social practice, rather than a fixed curricular intervention transferable across contexts without adaptation.

### **4. Theoretical and Practical Implications and Scholarly Contributions**

From a theoretical perspective, this study contributes to communication scholarship by positioning media literacy as a conceptual bridge between digital public sphere theory, critical communication, and disinformation studies. Media literacy is reframed not simply as an individual competency, but as a structural mechanism that shapes the quality of public discourse in algorithmically mediated environments. This perspective advances understanding of how citizens' critical capacities interact with platform infrastructures to influence democratic communication processes.

Practically, the findings carry important implications for educational policy and public communication strategies. The systematic integration of media literacy into formal education curricula, community-based learning initiatives, and digital public communication campaigns represents a strategic pathway toward strengthening societal resilience to disinformation. Furthermore, the literature highlights the necessity of cross-sector collaboration among

governments, educational institutions, media organizations, and digital platforms to ensure that media literacy policies are inclusive, sustainable, and responsive to rapidly evolving digital challenges.

Overall, this study contributes to the growing body of scholarship by reaffirming media literacy as a central and strategic instrument in disinformation governance, while offering a contextually grounded analytical framework to guide future research and policy development.

## **Conclusion**

This study set out to examine the extent to which media literacy functions as an effective instrument for controlling disinformation and hoaxes within the digital public sphere of contemporary society. Based on a systematic review and critical synthesis of recent national and international scholarly literature, the findings demonstrate that media literacy plays a strategically significant role in strengthening citizens' critical engagement with digital information and in reducing susceptibility to misleading and false content.

The analysis reveals that individuals with higher levels of media literacy exhibit greater capacity to evaluate information sources, recognize bias and manipulation, and exercise ethical responsibility in digital information sharing. Media literacy is shown to be particularly effective as a preventive mechanism, equipping individuals with anticipatory critical skills that limit the spread of disinformation before it becomes cognitively and socially entrenched. However, the findings also indicate that the effectiveness of media literacy initiatives is context-dependent, shaped by socio-cultural factors such as educational background, media trust, literacy culture, and local communication norms.

From an academic standpoint, this study contributes to the advancement of communication and media studies by conceptualizing media literacy not merely as an individual technical competence, but as a normative and structural component of the digital public sphere. By integrating perspectives from critical communication theory, public sphere theory, and disinformation studies, this research offers a more holistic framework for understanding how media literacy interacts with platform dynamics and societal contexts to influence democratic communication. Consequently, the study provides both theoretical insights and practical implications for the design of media literacy policies and educational interventions aimed at fostering resilient and informed digital publics.

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