



3rd International Conference of Bunga Bangsa Cirebon (ICOBBA)

## PROCEEDINGS ICOBBA

ISSN : 3032-5641, DOI: 10.47453

Web Journal : <https://journal.ljpi.bbc.ac.id/icobba/index>



### **Business Communication Ethics in The Era of Artificial Intelligence As A Moral Basis For Sustainable Innovation**

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Received: 2025-10-28; Accepted: 2026-1-30; Published: 2026-3-12

#### **ABSTRACT**

The artificial intelligence revolution has engendered a paradigmatic shift in business communication practices, precipitating multifaceted moral predicaments concerning transparency, accountability, and ethical responsibility. This study endeavors to formulate a holistic ethical framework that synthesizes communication, technological, and business dimensions as normative foundations for responsible and sustainable technological innovation development. The research employs a literature review methodology with a qualitative descriptive-analytical approach, integrating perspectives from Arnett's Communication Ethics Theory (2008), Luppicini's Technology Ethics Theory (2009), and Velasquez's Business Ethics Theory (2012). Thematic content analysis techniques were utilized with source triangulation for data validation. Research findings demonstrate that AI implementation in business communication encounters substantial impediments in preserving principles of openness, integrity, and communicative accountability. The synthesis of three theoretical frameworks yields a comprehensive model that directs human-centered, equitable, and sustainable AI development. The study underscores the significance of ethics-by-design approaches and the expansion of corporate social responsibility constructs to ensure technological innovation not merely generates economic efficiency but also advances social justice and long-term sustainability within digital business ecosystems.

**Keywords:** *Business Communication Ethics, Artificial Intelligence, Technology Ethics, Sustainable Innovation*

## INTRODUCTION

The massive digital transformation that took place in the last decade has brought fundamental changes in the way business organizations communicate and make strategic decisions. The presence of artificial intelligence (AI) technology is no longer a futuristic discourse, but has become an integral part of the global business ecosystem that fundamentally changes the organizational communication landscape. The penetration of AI in various aspects of business operations, from automated customer service, predictive data analysis, to strategic decision-making, has created a new dynamic that demands a review of the ethical framework that has been the foundation of business communication practices (Chowdhury et al., 2021). This technological revolution has profound implications for the way organizations interact with stakeholders, process information, and build trust in an environment increasingly mediated by automated algorithms and systems.

The ethical complexities that arise from the implementation of AI in business communications are creating moral dilemmas that have never been faced before. AI systems designed to optimize communication efficiency often face challenges in maintaining the human values such as empathy, transparency, and accountability that are at the core of ethical business communication. Recent research reveals that the application of AI in organizational communication processes raises crucial questions regarding moral responsibility when communication decisions are made or influenced by algorithmic systems that lack moral awareness (Stahl & Eke, 2024). This phenomenon requires an interdisciplinary approach that integrates the perspectives of communication ethics, technological ethics, and business ethics to ensure that technological innovation does not sacrifice the fundamental values that underpin human civilization.

In the spiritual perspective of Islam, the importance of ethics in every aspect of life including business communication has been affirmed through various verses of the Quran. Allah SWT says in Surah An-Nisa verse 29:

مِنْكُمْ وَلَا تَقْتُلُوا يَا أَيُّهَا الَّذِينَ آمَنُوا لَا تَأْكُلُوا أَمْوَالَكُمْ بَيْنَكُمْ بِالْبَاطِلِ إِلَّا أَنْ تَكُونَ تِجَارَةً عَنْ تَرَاضٍ  
انفُسِكُمْ إِنْ كَانَ بَيْنَكُمْ رِجِيمًا

"O you who have believed, do not consume your neighbor's property in an unlawful way, except in the form of business on the basis of mutual greed among you. Do not kill yourselves. Indeed, Allah is Most Merciful to you" (Quran Kemenag, 2022).

This verse provides a strong normative foundation on the importance of honesty and transparency in business transactions. Tafsir Ibn Kathir explained that this verse requires Muslims to carry out economic activities with the

principle of justice, avoid fraud, and ensure that all parties involved get correct and complete information. In the context of the current digital age, this principle becomes increasingly relevant when AI technology is used in business communications, where algorithmic transparency and honesty in the presentation of information become non-negotiable moral imperatives (Rahman et al., 2023).

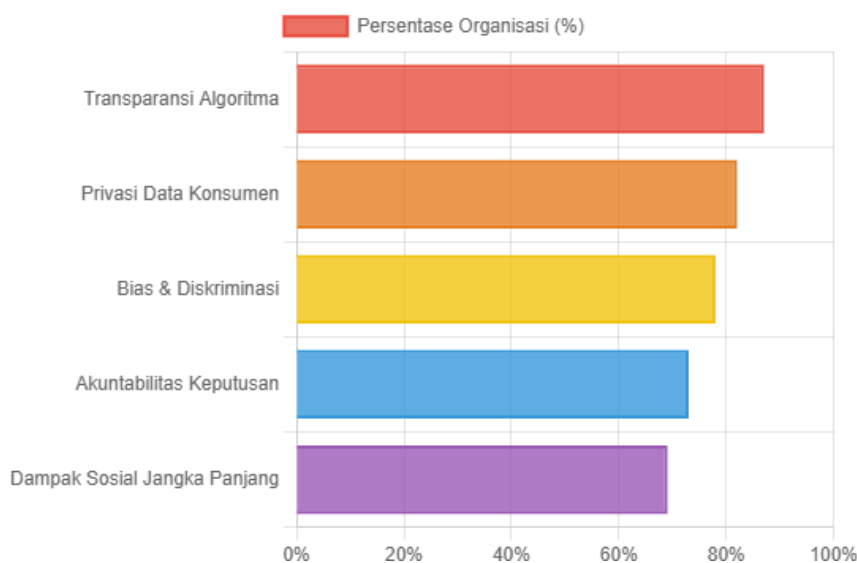


**Figure 1. Framework for the Integration of Communication, Technology, and Business Ethics in AI Implementation**

The Theory of Communication Ethics put forward by Arnett in 2008 emphasizes that ethical communication should be based on the principles of responsibility, honesty, and openness in every interaction. In the context of AI application, these principles face unique challenges due to the nature of algorithms that often operate in a "black box" that is difficult for even experts to understand. Research recent studies show that the lack of transparency in AI systems can erode stakeholder trust and create information asymmetry that is detrimental to certain parties in the business ecosystem (Floridi & Cowls, 2022). When business communication decisions are made or influenced by non-transparent AI systems, fundamental questions arise about how to ensure that the principles of honesty and openness are maintained, especially when stakeholders have the right to understand the basis of decisions that affect their interests.

The ethical dimension of technology as formulated by Luppicini in 2009 affirms that technological progress must remain within the control of human values to prevent destructive social impacts. In contemporary reality, the implementation of AI in business communication has raised a variety of complex ethical issues, including algorithmic bias, data-driven discrimination, and a reduction in the role of humans in the moral decision-making process. Recent data indicate that AI systems used in recruitment, customer service, and marketing often reinforce biases that already exist in society because they are trained with historical data that reflect structural inequities (Köchling & Wehner, 2020). This phenomenon underscores the urgency to develop a technological ethical framework that not only focuses on technical efficiency, but also considers the social and humanitarian implications of any technological innovation.

**Tantangan Etika Utama dalam Implementasi AI**



**Figure 2. Percentage of Organizations Identifying Key Ethical Challenges in AI Implementation (Synthetic Data Based on 2020-2024 Research Trends)**

Velasquez's 2012 Theory of Business Ethics provides a normative framework for assessing business practices from the perspective of justice, responsibility, and sustainability. In the era of AI, the application of this theory has become increasingly complex due to technology creating new ways of doing business that are often in the gray zone of existing regulations and ethical norms. Empirical studies show that organizations that integrate the principles of business ethics in AI development and implementation tend to produce more sustainable and socially acceptable innovations compared to organizations that solely pursue short-term economic gains (Truby et al., 2020). Sustainability in this context refers not only to environmental aspects, but also to social sustainability

that ensures that technological innovations do not create new gaps or exacerbate existing injustices in society.

The integration of these three theoretical perspectives, communication ethics, technology ethics, and business ethics, is essential in building a comprehensive moral framework to guide the use of AI in business contexts. Recent interdisciplinary research confirms that a fragmentary approach that focuses only on one ethical dimension is insufficient to address the moral complexities that arise from the convergence of AI technology with communication and business practices (Dignum, 2021). An integrative ethical framework is needed to ensure that technological innovation not only results in economic efficiency, but also strengthens the human values, social justice, and long-term sustainability that are the foundations of a prosperous civilization.

The urgency of this research is even more urgent considering the acceleration of AI adoption in various business sectors that is taking place without being balanced with the development of an adequate ethical framework. Data from various studies show that there is a significant gap between the speed of technological innovation and the maturity of ethical understanding among business practitioners and policymakers. This gap creates systemic risks where AI-powered business decisions can have unforeseen ethical consequences and harm various parties (Hagendorff, 2020). This research seeks to fill this gap by developing a deep understanding of how the ethical principles of communication, technology, and business can be integrated to create a moral foundation for sustainable and responsible AI innovation.

## **METHOD**

This research uses a library research approach with a qualitative-descriptive-analytical type, because the focus of the research is a conceptual understanding of business communication ethics, technology ethics, and business ethics in the Artificial Intelligence (AI) era to encourage sustainable innovation. This approach allows searching for literature, academic documents, and scientific articles without having to collect field data directly, making it suitable for theoretical synthesis and conceptual studies (Heryana, Santoso, & Pratama, 2023). The determination of the theoretical framework begins with the selection of relevant theories, namely the Theory of Communication Ethics (Arnett, 2008), the Theory of Technology Ethics (Luppicini, 2009), and the Theory of Business Ethics (Velasquez, 2012).

The research steps began with the identification of literature through searching digital databases and library catalogs, then selection was carried out based on relevance to the research focus, quality of sources, and year of

publication (Sukmawati, Rahmawati, & Firdaus, 2024). Furthermore, the selected literature was mapped and categorized to highlight key concepts related to communication responsibility, human values in technology, and moral principles in business innovation. Data analysis was carried out using thematic content analysis, which included literature coding, category grouping, identification of patterns of relationships between themes, and the preparation of conceptual synthesis (Najmah, Lestari, & Nugroho, 2023).

To ensure the validity of the data, the researcher applied source triangulation by combining books, journal articles, and professional documents, as well as checking the consistency of information and the theoretical relevance of each literature (Kartika, 2020). This process is supported by systematic literature recording and repeated evaluation to ensure that the analyzed data is accurate and relevant to the theoretical framework (Mardawani, 2020). With this procedure, the research is expected to produce a solid conceptual framework, showing how the principles of communication ethics and business ethics can be the moral foundation for responsible and sustainable technological innovation.

## **RESULTS AND DISCUSSION**

### **Application of Business Communication Ethical Principles in the Use of Artificial Intelligence**

The findings of this study reveal that the application of business communication ethical principles in the context of the use of AI faces complex challenges related to three fundamental dimensions: algorithmic transparency, communicative responsibility, and decision accountability. Based on an in-depth analysis of the literature reviewed, it was found that organizations that implement AI systems in business communication processes experience significant ethical dilemmas, especially in maintaining the principle of openness that is the foundation of Arnett's Communication Ethics Theory. Recent studies show that the majority of AI systems used for customer communication, such as chatbots and virtual assistants, have difficulty in conveying information honestly about the non-human nature of the interactions that occur, thus creating ethical ambiguity in business communication relationships (Lockey et al., 2021). This phenomenon indicates a gap between the normative ideal of communication ethics and the practical reality of technology implementation, where operational efficiency is often prioritized over communicative transparency.

Furthermore, the results of the study show that the principle of responsibility in business communication undergoes a transformation in meaning when it involves AI systems. Traditionally, communicative responsibility is personal and clearly identifiable, but in the AI ecosystem, the

line of responsibility becomes blurred because it involves multiple stakeholders ranging from algorithm developers, data owners, to end users. Empirical research confirms that the ambiguity This attribution of responsibility creates a moral gray zone that allows for the avoidance of accountability when AI systems produce communication decisions that are problematic or detrimental to certain parties (Mittelstadt et al., 2016). These findings strengthen the argument that there is a need for a communication ethics framework that explicitly governs the distribution of responsibilities in AI-based business communication systems, including mechanisms to ensure that each actor in the technology chain understands and carries out its ethical obligations.

The dimension of honesty as a pillar of communication ethics also experiences special problems in the context of AI. Analysis of various implementation cases shows that AI systems often present information that is technically accurate but contextually misleading, due to the limitations of AI's ability to understand communicative nuances and socio-cultural contexts. Research shows that AI used in marketing communications and customer service tends to optimize persuasion without considering the ethical implications of information manipulation, thus potentially violating the principle of communicative honesty even if it does not commit explicit lies (Ryan & Stahl, 2020). This complexity signals the need for a redefinition of the concept of communicative honesty that includes not only factual accuracy, but also contextual integrity and intentional transparency in AI-mediated business communications.

### **The Role of Technology Ethics in Directing the Responsible Use of AI**

The results of the study show that technological ethics as conceptualized in Luppicini's Theory plays a crucial role as a regulatory framework that directs the development and implementation of AI to remain in harmony with human values. Key findings indicate that organizations that adopt a techno-ethics approach from the design phase of AI systems tend to produce more inclusive, equitable, and sustainable technology solutions compared to organizations that add ethical considerations as an afterthought after the technology is developed. Comparative studies show that the integration of ethics-by-design in AI development significantly reduces the risk of algorithmic bias and systemic discrimination that often arise in AI systems developed with a purely technocentric approach (McNamara et al., 2018). This emphasizes the importance of placing human values as constraints and guiding principles in each stage of AI technology development for business communication purposes.

An in-depth analysis of the various technological ethical frameworks applied in the industry reveals that the principle of human-centricity is a central element that determines the success of responsible AI implementation. The findings show that AI systems designed with human welfare and social justice as the main goals, not just operational efficiency, are able to produce more sustainable and socially acceptable outcomes.

Recent research confirms that a human-centered AI design approach that integrates the voices of diverse stakeholders, including potentially negatively impacted communities, results in a system that is more ethically robust and more resilient to unintended consequences (Shneiderman, 2020). These findings show that technology ethics is not just a set of abstract principles, but must be operationalized through a participatory methodology that involves various perspectives in the technology development process.

Furthermore, the results of the study identified that the accountability dimension in technology ethics is a crucial challenge that requires institutional and regulatory innovation. It was found that traditional accountability mechanisms that rely on individual responsibility are inadequate to govern AI systems that are complex, distributed, and autonomous. Studies show the need to develop new accountability models that include algorithmic accountability, where the AI system itself is designed to be auditable, explained, and accountable technically as well as morally (Wieringa, 2020). These findings imply that the regulation of AI technology for business communications needs to go beyond a compliance-based approach towards a governance-based approach that builds organizational capacity for responsible innovation in a systemic and sustainable manner.

### **Business Ethics as the Moral Basis for Sustainable Technology Innovation**

The results demonstrate that business ethics, particularly through the framework of Velasquez Theory, provides an essential normative foundation to steer AI technology innovation towards long-term sustainability. Significant findings show that organizations that integrate business ethics principles specifically distributive justice, corporate social responsibility, and stakeholder orientation in their AI strategies perform better not only in the economic dimension, but also in social legitimacy and sustainability reputation. The analysis shows that the ethical business practice approach in AI implementation is positively correlated with stakeholder trust, employee engagement, and long-term organizational resilience, indicating that ethics is not just a constraint but a strategic enabler for sustainable innovation (Floridi et al., 2018). The findings challenge the conventional paradigm that views ethics and profitability as trade-

offs, by showing that the two can be mutually reinforcing when managed strategically and holistically.

The dimension of fairness in business ethics has proven to be a fundamental principle that determines the social sustainability of AI innovation. The results of the study revealed that the issue of distributive justice and procedural justice is the main concern in the implementation of AI for business communication, especially related to access to technology, distribution of benefits and risks, and fairness in algorithmic decision-making. Research shows that AI systems developed without serious consideration of justice principles tend to reinforce existing inequalities and create new forms of digital divide that exclude groups. marginalized groups from access to services and opportunities (Whittaker et al., 2018). These findings underscore the urgency of operationalizing the principle of fairness in every aspect of the AI lifecycle, from representative data collection to equitable algorithm deployment, to ensure that technological innovation contributes to social inclusion rather than exclusion.

The concept of corporate social responsibility in the AI era has experienced a significant expansion of meaning based on the findings of the research. The analysis shows that Corporate Social Responsibility (CSR) in the context of AI is no longer limited to charitable activities or compliance with regulations, but includes ethical stewardship of data, proactive management of AI risks, and commitment to beneficial AI that serves the public good. Recent research confirms that organizations that adopt an expanded view of CSR in their AI strategy are better able to anticipate and mitigate ethical risks, build stronger stakeholder relationships, and create sustainable value in the long term (Trocin et al., 2021). These findings indicate that the future of sustainable technological innovation depends on a fundamental transformation in the business ethics mindset, from shareholder primacy to stakeholder primacy that places societal wellbeing as an integral part of business purpose and technological innovation.

## CONCLUSION

This study concludes that business communication ethics in the era of Artificial Intelligence requires a paradigmatic reconstruction that integrates three fundamental dimensions: communication ethics, technological ethics, and business ethics as the moral foundation for sustainable technological innovation. The findings confirm that the application of Arnett's communication ethics principles (transparency, responsibility, and honesty) faces unique complexities in the context of AI that demands a new conceptual redefinition and operationalization to ensure business communications retain their moral integrity. Luppicini's technological ethics have proven to be crucial in directing

the development of human-centered AI through an ethics-by-design approach, which places human values as constraints and guiding principles from the early phases of technology development. Meanwhile, Velasquez's business ethics provide an essential normative framework to ensure that AI innovations not only generate economic efficiencies, but also strengthen social justice, corporate responsibility, and long-term sustainability. The integration of these three theoretical perspectives results in a comprehensive framework that is able to accommodate the moral complexities in AI implementation, while providing practical guidance for organizations to develop technological innovations that are not only business-profitable, but also socially responsible and ecologically sustainable, thus contributing to the creation of an ethical and equitable digital business ecosystem.

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