ASEAN Journal of
HALAL STUDY

The Halal Perspective on *AI Voice Over* Usage in Marketing and Advertising: Ethical and Sustainable Insights

Asep Koswara[1], Lina Herlina[2]

Abstract: This paper explores the ethical, cultural, and sustainability implications of using AI voiceovers in marketing from an Islamic perspective. AI voiceover technology, which utilizes complex algorithms and deep learning to replicate human voices, has gained popularity for applications in advertising, customer service, and entertainment. While AI voiceovers offer significant benefits such as cost-effectiveness, efficiency, and accessibility, their usage raises concerns regarding ethical standards, environmental impact, and cultural sensitivity. This study highlights how Islamic teachings on justice, respect, and sustainability can guide the responsible use of AI voiceovers. By examining key issues such as energy consumption in AI systems and the importance of cultural inclusivity, this paper emphasizes the need for businesses to adopt practices that align with both ethical and environmental principles. It also stresses the importance of avoiding cultural insensitivity and stereotypes when using AI voices across different regions. The paper concludes with practical recommendations for marketers and suggestions for future research on the long-term impacts of AI voiceovers, offering a balanced approach to integrating this technology in a way that benefits society while upholding Islamic values.

Keywords: AI Voiceovers, Ethical Implications, Islamic Perspective, Halal marketing, Sustainability in Marketing.

[1]Master of Management, Faculty of Economics and Business, IKOPIN University, Sumedang, Indonesia
[2]Master of Religious Studies, Sunan Gunung Djati State Islamic University, Bandung, Indonesia

e-mail: sepp.idealiz@gmail.com[1], linaherlina386@gmail.com[2]

1. Introduction

The integration of artificial intelligence (AI) into marketing has transformed the industry, bringing remarkable efficiency and personalization to how businesses communicate with consumers. One of the most notable applications of AI in this domain is its use in voiceovers for advertisements and promotional materials. AI-generated voiceovers, powered by advances in natural language processing (NLP) and machine learning, have increasingly replaced human narrators due to their scalability, cost-effectiveness, and ability to mimic natural human intonation. Research by Wang, Zhang, and Jiang (2024) demonstrated that AI voiceovers can be as effective as human voices in engaging audiences, especially in short-form video advertisements, by optimizing cognitive load and improving message retention. This shift has sparked interest among marketers, but it also raises significant questions about ethical and cultural considerations, particularly in contexts where religious and moral values strongly influence consumer expectations.

Within the context of Muslim-majority societies, the ethical application of AI, including AI voiceovers, must align with Islamic principles that emphasize fairness, accountability, and the protection of human dignity. Scholars such as Khasib et al. (2024) have explored the compatibility of AI technologies with divine principles, arguing that human interaction with AI should be governed by values rooted in Islamic teachings. Similarly, Elmahjub (2023) emphasized the need for pluralistic ethical benchmarks to evaluate AI's impact within different cultural and religious frameworks. However, despite the growing body of literature addressing the intersection of AI and Islamic ethics, there remains a notable gap in exploring the specific application of AI-generated voiceovers in marketing from a halal perspective. Existing studies, such as Rabbani et al. (2022), have primarily focused on ethical concerns in AI applications within Islamic finance, while others, like Umam and Jannah (2024), have examined broader challenges and opportunities at the intersection of AI and Islamic studies.

The need to address this gap is pressing, as AI-driven marketing tools, including voiceovers, become increasingly prominent in global and regional markets. AI voiceovers hold immense potential

to revolutionize advertising in Muslim-majority countries by providing culturally sensitive and cost-efficient solutions. However, without a proper understanding of their ethical implications within Islamic contexts, the widespread adoption of these technologies risks undermining cultural values, creating mistrust, or alienating religiously conscious consumers.

This study aims to fill this gap by investigating AI voiceovers in marketing through a halal perspective, focusing on their ethical, cultural, and sustainability implications. It seeks to answer key questions: Are AI-generated voiceovers permissible under Islamic ethical guidelines? How can marketers ensure that AI applications respect Islamic values while remaining competitive in the digital economy? This research bridges insights from AI, marketing, and Islamic ethics, contributing to the development of a framework that harmonizes technological innovation with religious and cultural values. By addressing these questions, the study aspires to provide valuable guidance for marketers, policymakers, and technology developers, ensuring that AI-powered solutions foster ethically sustainable practices that resonate with Muslim consumers while respecting their beliefs.

2. Materials and Methods

This study employed a qualitative research approach to explore the ethical, cultural, and sustainability dimensions of AI voiceovers in marketing from a halal perspective. The methodology combined an extensive literature review with thematic analysis to ensure a comprehensive understanding of the topic. The following subsections outline the materials and methods used in this research.

2.1 Data Collection

The primary data source was a review of scholarly articles, conference papers, and industry reports that address the intersection of AI, marketing, and Islamic ethics. Key references included Wang et al. (2024), which examined the effectiveness of AI voiceovers in marketing, and Khasib et al. (2024), which discussed the compatibility of AI technologies with Islamic principles. Other relevant works, such as Elmahjub (2023) and Rabbani et al. (2022), provided insights into ethical concerns and frameworks for AI in Islamic contexts. These sources were identified through academic databases, including Scopus, IEEE Xplore, and Google Scholar, using keywords such as "AI voiceovers," "halal marketing," "Islamic ethics," and "sustainability in AI."

2.2 Analytical Framework

The research employed a thematic analysis approach to identify patterns and key themes related to the use of AI voiceovers in halal marketing. The analysis was guided by ethical frameworks rooted in Islamic jurisprudence, such as the principles of maslahah (public interest) and mafsadah (harm avoidance). The themes identified included ethical permissibility, cultural alignment, consumer trust, and sustainability implications. These themes were cross-referenced with existing marketing theories, such as those discussed by Klaus and Zaichkowsky (2020) on AI voice bots in service marketing, to ensure a robust and multi-disciplinary perspective.

2.3 Research Position

This study builds upon previous research while addressing identified gaps. Unlike earlier works that primarily focused on the technical and cognitive aspects of AI in marketing (e.g., Wang et al., 2024), this study emphasizes the cultural and religious dimensions, particularly from a halal perspective. The research also extends the discourse by exploring sustainability implications, which have received limited attention in previous studies.

2.4 Research Contribution

The findings aim to provide a culturally sensitive and ethically grounded framework for marketers and policymakers when employing AI voiceovers in marketing campaigns targeting Muslim consumers. By combining insights from AI technology, marketing strategies, and Islamic ethics, this research contributes to advancing sustainable and ethically responsible practices in the digital era.

3. Results and Discussion

3.1. *AI Voice Over: Definition and Usage*

AI voiceover refers to a computerized voice created by an artificial intelligence (AI) system, which uses algorithms and deep learning techniques to simulate the nuances of human speech. These AI systems can produce voices that replicate human tone, intonation, pacing, and emotional expression. The technology behind AI voiceovers is primarily based on text-to-speech (TTS) systems, where text input is transformed into spoken output by an AI-driven program. According to Canva (2024), AI voices are produced by deep neural networks that analyze a vast range of human speech patterns to generate highly natural-sounding voices. The system is designed to mimic human speech so closely that it becomes difficult to distinguish between AI-generated and human voices.

3.1.1. *Development of AI Voice Over Technology*

The creation of AI voiceovers began with relatively basic TTS technology, but it has evolved significantly over the years. Early TTS systems often sounded robotic and unnatural, with limited ability to convey the subtleties of human emotion or personality. However, recent advancements in machine learning, particularly deep learning models, have greatly improved the quality of synthetic speech. AI systems now use neural networks, which are trained on large datasets of human voices, allowing the AI to "learn" how to generate more realistic and emotionally expressive speech. These models can analyze various vocal features, such as pitch, speed, and stress, to recreate speech that sounds not just human-like but also contextually appropriate.

Some of the most prominent AI voiceover systems available today, such as Murf AI, ElevenLabs, and Speechify, leverage these advanced deep learning models to provide users with highly customizable voices. These platforms allow users to adjust speech characteristics, such as accent, tone, and speed, and even to infuse emotions like excitement or sadness into the generated voice. With these features, businesses can create more personalized and engaging content, such as marketing videos or audio ads, with a voice that resonates with their target audience.

3.1.2. *Popular Platforms Offering AI Voice Over Services*

There are a growing number of platforms that offer AI voiceover services, ranging from free tools to premium paid options. Popular platforms such as Murf AI, VoiceBooking, and ElevenLabs.io have democratized access to high-quality AI voiceovers. These platforms cater to various needs, from small businesses looking to produce voiceovers for marketing campaigns to large enterprises creating sophisticated audio content for global audiences.

For example, Murf AI offers a robust platform that allows users to create voiceovers for video and audio ads, presentations, and more. One of the key advantages of platforms like Murf AI is the ability to generate high-quality voices in over 100 languages, with more than 500 different voices to choose from. This extensive selection allows businesses to tailor their content to specific markets and languages, ensuring that their message is effectively communicated across diverse cultural contexts. Additionally, Murf AI's advanced features allow users to customize the voice output in terms of pacing, tone, and emphasis, which is particularly useful for advertisers looking to create specific moods or emotional responses.

Table 1. AI Voice Over Tools with Feature and Application

AI Voiceover Provider	Features	Applications in Marketing
Murf AI	500+ voices, 100+ languages, text-to-speech, custom voices	Advertising, voiceovers for videos, YouTube, podcasts
ElevenLabs	Natural-sounding voices, emotion-rich speech, customization	Content creation, e-learning, audiobooks
Speechify	AI-powered narration, PDF and document reading	Podcasts, educational content, video ads
VoiceBooking	Professional voices, multiple languages, live AI voiceover tool	Video ads, social media content, audio advertisements
Resemble AI	High-quality voices, emotion synthesis,	Virtual assistants, marketing

AI Voiceover Provider	Features	Applications in Marketing
	speech customization	content, IVR systems

Similarly, ElevenLabs and Speechify provide platforms that specialize in creating AI voiceovers for a variety of applications, including podcast narration, audiobooks, and even live speech generation for virtual assistants. ElevenLabs is particularly known for its high-quality, human-like voices, which are created using cutting-edge deep learning models. These platforms make it easy for anyone, from individual content creators to large corporations, to produce high-quality audio content without needing a professional voice actor.

3.1.3. *Applications of AI Voice Over in Marketing*

AI-generated voiceovers have found extensive application in the field of marketing, particularly in the creation of video and audio advertisements. According to Murf AI (2024), AI voices are being used increasingly to deliver brand messages across platforms like YouTube, Instagram, and Spotify. AI-generated voices provide marketers with a cost-effective and efficient alternative to traditional human voice actors.

AI voiceovers offer several advantages in marketing, particularly in terms of scalability and customization. For instance, a company can use AI to quickly create multiple versions of an advertisement with different voices and languages, allowing them to target specific regional markets with personalized content. Moreover, AI-generated voices can be produced at a fraction of the cost of hiring professional voice actors, especially for small and medium-sized businesses with limited marketing budgets.

The flexibility offered by AI in generating voices tailored to specific emotions or tones is another reason why AI voiceovers are popular in marketing. Marketers can use the voice characteristics to match the mood of an advertisement, whether it's conveying excitement for a new product launch or a soothing tone for a wellness brand. By adjusting these vocal features, marketers can enhance the emotional connection with their audience and create content that resonates on a deeper level.

3.2. *The Ethical Implications of AI Voiceovers: An Islamic Perspective*

The use of AI voiceovers in various industries, particularly in marketing, has raised several ethical concerns, especially when examined from an Islamic perspective. While the technology brings undeniable benefits in terms of efficiency, cost-effectiveness, and accessibility, it also raises questions about its ethical implications. The following discussion delves into these concerns, aligning them with Islamic teachings, principles, and values.

3.2.1. *Honesty and Transparency in AI Voiceovers*

One of the fundamental principles in Islam is the emphasis on truthfulness and honesty in communication. The concept of sadaqah (truthfulness) is deeply embedded within Islamic teachings, as exemplified in the following verse:

> "And do not mix the truth with falsehood or conceal the truth while you know [it]."
> — Surah Al-Baqarah (2:42)

This verse highlights the importance of clear and truthful communication. In the context of AI voiceovers, the ethical issue arises when AI voices are used deceptively, especially in advertising or marketing campaigns. AI-generated voices, if not properly disclosed, could mislead consumers into believing they are hearing a real human voice, thus potentially breaching the trust between businesses and their audiences.

From an Islamic perspective, any form of deception is discouraged. The use of AI voices to mislead consumers into thinking that a message is coming from a human, when in fact it is generated by AI, could be considered unethical. To align with Islamic ethical standards, businesses using AI voiceovers must be transparent, disclosing when content is AI-generated, and ensuring that their messaging remains truthful and trustworthy.

3.2.2. *Integrity and Avoiding Exploitation*

Islamic teachings also emphasize the importance of maintaining integrity and fairness in all interactions. This includes ensuring that technology, like AI voiceovers, is not used to exploit others, whether through manipulation or unethical marketing practices. The concept of gharar (uncertainty or risk) and riba (exploitation through unfair financial gain) is forbidden in Islam because they involve dishonest practices that can exploit individuals for financial or personal gain.

AI voiceovers, if used irresponsibly, can amplify the potential for exploitation. For example, AI-generated voices may be employed in ways that play on human emotions, manipulating consumers into making decisions that are not in their best interests. For instance, AI voices may be used to create an illusion of trustworthiness or to persuade listeners to purchase products they do not need, leading to consumer exploitation.

In the Islamic context, the use of AI should always aim to bring about a maslahah (public benefit), and any practices that lead to mafsadah (harm) should be avoided. This means that AI voiceovers should only be used for positive and beneficial purposes, such as promoting products or services that contribute to the well-being of individuals and society, rather than manipulating people for selfish gains.

3.2.3. *Respect for Human Dignity*

Another key consideration in the ethical use of AI voiceovers is the respect for human dignity. Islam teaches that human beings are dignified creatures, created by Allah with distinct qualities and abilities. The Quran states:

"And We have certainly honored the children of Adam."

— Surah Al-Isra (17:70)

This verse underscores the inherent dignity of all humans. The use of AI voiceovers should therefore not undermine or replace the dignity of human labor and creativity. While AI can offer convenience and cost-saving solutions, over-reliance on AI-generated voices in areas traditionally dominated by human voices, such as customer service or marketing, could diminish the value of human interaction and lead to the dehumanization of communication.

In line with Islamic teachings, it is crucial to strike a balance between utilizing AI to enhance productivity and respecting the dignity and worth of human contributions. AI should be seen as a tool to support human efforts, not as a replacement for them. The use of AI voiceovers should be done in a manner that does not erode the value of human labor, voice acting, or personal touch, which are integral to the dignity of work in Islam.

3.2.4. *The Concept of Halal and Haram in AI Voiceovers*

The concept of halal (permissible) and haram (forbidden) is central to Islamic ethics and governs the permissibility of actions, products, and technologies. In the context of AI voiceovers, the primary consideration is whether the technology itself is ethically sound and whether its use aligns with Islamic principles.

AI voiceovers in themselves are halal (permissible) if used ethically and in alignment with the Islamic values of truth, integrity, and respect. For example, if AI voices are used to deliver educational content, promote ethical businesses, or deliver messages that are beneficial to society, they would be considered permissible.

However, AI voiceovers could be deemed haram if they are used for purposes that contradict Islamic ethics, such as for deceitful marketing practices, promoting harmful or immoral products, or manipulating people into decisions that cause harm. AI voices that encourage unethical behavior, such as gambling, alcohol consumption, or other activities that are prohibited in Islam, would be classified as haram. Additionally, the use of AI-generated voices to create deceptive content that misrepresents the truth or exploits vulnerable individuals could also be considered haram.

3.3. *Sustainability and Cultural Sensitivity*

The rise of AI technologies, including AI voiceovers, has not only sparked debates about their ethical implications but also raised concerns about sustainability and cultural sensitivity. As AI continues to penetrate various industries, it is crucial to address how its use impacts both the environment and

cultural integrity. This section explores the significance of sustainability and cultural sensitivity in the use of AI voiceovers, particularly from an Islamic perspective, and how they align with both global and local values.

3.3.1. *Sustainability in the Context of AI Voiceovers*

Sustainability, in a broad sense, refers to the responsible management of resources to ensure that future generations can meet their needs. It involves considering the environmental, economic, and social dimensions of any technology or system. The sustainability of AI voiceovers can be assessed from multiple angles, particularly in terms of environmental impact and the long-term implications for industries and societies.

Environmental Impact of AI Voiceover Technology

AI voiceover systems, particularly those based on deep learning and machine learning algorithms, require significant computational power for training and operation. The process of training AI models, which involves processing vast amounts of data, often relies on large-scale data centers that consume substantial amounts of energy. This energy consumption, if not managed sustainably, can contribute to environmental degradation through the release of greenhouse gases and other pollutants.

Islamic teachings place great emphasis on the responsible use of natural resources and the preservation of the environment. The Quranic verse:

"And it is He who produces gardens trellised and untrellised, and date palms, and crops of different shape and taste (its fruits and its seeds), and olives, and pomegranates, similar (in kind) and different (in taste). Eat of their fruit when they ripen, but pay the due thereof (its Zakah) on the day of its harvest, and waste not by extravagance. Verily, He likes not Al-Musrifun (those who waste by extravagance)."
— Surah Al-An'am (6:141)

This verse highlights the importance of sustainable practices and avoiding waste. In the context of AI, the sustainability of the technology should be considered from an environmental perspective, encouraging the use of energy-efficient data centers and practices that minimize ecological footprints. Furthermore, it is important for companies to be transparent about their energy sources, opting for renewable energy where possible, in order to reduce their overall environmental impact.

Economic and Social Sustainability

Beyond environmental concerns, AI voiceovers must also be examined from an economic and social sustainability perspective. The integration of AI into industries like marketing, advertising, and entertainment may lead to cost reductions and increased efficiency. However, it is essential to ensure that these efficiencies do not come at the expense of job security or social equity.

From an Islamic standpoint, economic justice and fairness are core principles. The concept of adl (justice) emphasizes that technological advancements should not exploit the labor force or create an imbalance in wealth distribution. While AI voiceovers can help businesses reduce operational costs, it is critical that they do not replace human labor without adequate consideration for the social consequences. As businesses and governments adopt AI technologies, they must also invest in retraining and reskilling workers who may be displaced by automation, ensuring that technological advancements benefit society as a whole.

3.3.2. *Cultural Sensitivity in AI Voiceovers*

Cultural sensitivity refers to the ability to recognize and respect the diverse cultural contexts in which a product or service is used. In the context of AI voiceovers, cultural sensitivity becomes especially important because AI-generated voices are often used in marketing and communication, which are directly influenced by cultural norms, values, and language.

The Importance of Localizing AI Voiceovers

AI voiceover systems can generate voices in multiple languages, with many systems offering over 100 languages and regional accents. While this diversity is an advantage, it also raises concerns about the potential for cultural insensitivity or misrepresentation. A voice that may sound appealing in one culture may be perceived as offensive or inappropriate in another. Therefore, businesses and

organizations must be careful when choosing AI-generated voices for different markets to avoid unintentional cultural faux pas.

Islamic culture, with its rich history and diverse linguistic, regional, and ethnic groups, offers valuable insights into the importance of cultural sensitivity. The Quran states:

"O mankind, indeed We have created you from male and female and made you peoples and tribes that you may know one another. Indeed, the most noble of you in the sight of Allah is the most righteous of you. Indeed, Allah is Knowing and Acquainted."
— Surah Al-Hujurat (49:13)

This verse emphasizes the significance of diversity and the importance of recognizing and respecting cultural differences. For AI voiceovers, this means ensuring that voices, accents, and language use are culturally appropriate and reflect the diversity of the audience. Localizing AI-generated voices to match the cultural and linguistic preferences of different regions is crucial to maintaining respect and authenticity in communication.

Avoiding Stereotyping and Disrespect

AI voiceover systems must also be programmed to avoid reinforcing negative stereotypes or disrespecting cultural norms. For example, AI voices should not mimic regional accents or cultural traits in ways that could be perceived as mocking or insensitive. This aligns with Islamic principles of respect and honor for all people, as well as the notion of ihsan (excellence) in treating others with dignity.

The concept of respect for human dignity in Islam underscores the importance of treating people from all cultures with fairness and consideration. AI voiceovers that engage in culturally insensitive or discriminatory practices would be ethically problematic from an Islamic standpoint, as they undermine the principle of universal respect for human dignity.

3.3.3. *The Role of Ethical AI Development in Cultural Sensitivity*

The development of AI technology itself plays a crucial role in ensuring both sustainability and cultural sensitivity. Ethical AI development involves creating systems that are aware of the diverse contexts in which they operate and ensuring that they do not inadvertently harm or disrespect certain groups or individuals. From an Islamic perspective, ethical development and use of AI must align with the concept of Maslaha (public good), ensuring the technology serves humanity without causing harm.

Moreover, AI systems must be designed with input from diverse cultural backgrounds to avoid biases that could lead to cultural insensitivity. This can be achieved through diverse development teams, consultations with cultural experts, and continuous feedback from the communities being served. Such approaches would align with Islamic principles of fairness and justice, promoting inclusivity and cultural awareness in the use of AI.

4. Conclusion

In summary, the integration of AI voiceovers in marketing presents significant opportunities for businesses to enhance their reach and engagement with customers. The ability of AI to generate lifelike, emotive voices has revolutionized advertising, allowing brands to deliver personalized messages across multiple platforms and languages. However, as highlighted in this paper, the ethical implications of using AI voiceovers must be carefully considered. Islamic perspectives on ethics, sustainability, and cultural sensitivity offer valuable insights for guiding the responsible use of AI technology, ensuring it aligns with moral and social principles. AI voiceovers should not only respect cultural norms and uphold values of justice but also strive to minimize their environmental impact.

Practical recommendations for businesses and marketers include investing in AI voiceover systems that are energy-efficient and culturally inclusive, ensuring that voices are localized and resonate with diverse audiences. Additionally, companies should actively seek to avoid AI-generated voices that may perpetuate stereotypes or disrespect cultural sensitivities. From an Islamic ethical standpoint, ensuring transparency in the environmental and social aspects of AI voiceover production aligns with the broader goals of fairness and public welfare. Businesses are encouraged to adopt a

holistic approach to AI integration, one that prioritizes sustainability and respects human dignity, as outlined by Islamic teachings.

Looking to the future, further research is needed to explore the long-term impacts of AI voiceovers on consumer behavior, marketing strategies, and cultural dynamics. Future studies could investigate the potential for AI voiceovers to replace human labor in marketing and the ethical ramifications of such a shift. Additionally, research into the environmental sustainability of AI technologies, particularly voice generation systems, would provide valuable insights into how these technologies can be developed in an eco-friendlier manner. As the field of AI continues to evolve, understanding its societal, ethical, and environmental implications will be critical to ensuring its responsible and beneficial integration into marketing and beyond.

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