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Preserving Cultural Heritage in a Digital World: Balancing tradition, inclusivity, and sustainability

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Abstract

Carnaval, a global festival with deep historical and cultural roots, has evolved from ancient pagan rituals into a vibrant expression of community identity, creativity, and joy. This paper analyzes the global trends in Carnaval celebrations and their evolving meanings in the digital age, with a focus on balancing tradition, inclusivity, and sustainability. By examining how digital technologies reshape the experience and dissemination of Carnaval, this study highlights the interplay between globalization, cultural continuity, and change. Case studies from Brazil, Trinidad and Tobago, Venice, New Orleans, and Indonesia illustrate the integration of digital tools in promoting and preserving Carnaval traditions. The findings reveal that while digital platforms enhance accessibility and inclusivity, they also pose challenges in maintaining cultural authenticity. By leveraging augmented reality, virtual reality, live streaming, and social media, Carnaval events can reach a global audience, fostering cultural exchange and appreciation. However, it is crucial to balance these innovations with the preservation of traditional elements to ensure the essence and historical significance of Carnaval are maintained. This paper concludes with recommendations for stakeholders to integrate digital technology responsibly, promoting sustainable practices and inclusive participation while preserving the rich cultural heritage of Carnaval.

Keywords: Carnaval, Digital technology, Global perspectives, Sustainability, Cultural preservation, Environmental impact

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1. Introduction

1.1. Background

Carnaval, a vibrant festival celebrated across the world, holds deep historical and cultural roots that trace back centuries. Originally tied to religious observances, Carnaval has evolved into a dynamic expression of cultural identity, creativity, and communal joy.

Carnaval's origins can be traced to ancient pagan festivals, such as the Roman Saturnalia and the Greek Dionysian revelries, which were later absorbed and adapted by Christian traditions (Cooper, 2010). With the spread of Christianity, Carnaval became associated with the period of feasting and merrymaking before the Lenten season of fasting and penance. This pre-Lenten festival was characterized by its emphasis on indulgence and the inversion of social norms, allowing people to temporarily transcend their everyday roles and hierarchies (Bakhtin, 1984).

Culturally, Carnaval serves as a powerful vehicle for expressing community identity and solidarity. It is a time when communities come together to celebrate their shared heritage through music, dance, costumes, and parades. Traditional practices vary widely across regions, reflecting the local customs and histories that shape each celebration. For instance, Brazil's Rio de Janeiro Carnaval is famed for its samba parades and elaborate floats, while Venice's Carnaval is renowned for its masked balls and intricate costumes (Goldblatt & Lee, 2020). In Trinidad and Tobago, the festival features calypso music, steelpan bands, and "mas" (masquerade) competitions (Nurse, 1999).

The purpose of this paper is to analyze the global trends in Carnaval celebrations and explore their evolving meanings in the digital age, with a focus on balancing tradition, inclusivity, and sustainability. This analysis examines how digital technologies are reshaping the ways in which Carnaval is experienced and shared, both locally and globally. By focusing on various Carnaval celebrations around the world, including Indonesia, this paper aims to provide a comprehensive understanding of how globalization and digital transformation are influencing this cultural phenomenon. Indonesia's Carnaval events, such as the Jember Fashion Carnaval and Solo Batik Carnaval, exemplify the country's rich cultural tapestry and innovative adaptations of traditional festivities in a modern context (Astuti, 2013). Through this lens, the paper seeks to highlight the importance of preserving cultural heritage while embracing digital advancements, ensuring that the essence and authenticity of Carnaval are maintained.

1.2. Carnaval and digital transformation

Studying Carnaval in the context of globalization and digital transformation is crucial for several reasons. Firstly, globalization has facilitated the exchange of cultural practices and ideas, leading to a cross-pollination of traditions that enriches Carnaval celebrations worldwide. This cultural exchange can be seen in the adoption of Brazilian samba styles

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in European Carnavals or the influence of Caribbean music in North American festivities (Cohen, 2004).

Secondly, the advent of digital technologies has revolutionized the way Carnaval is organized, experienced, and disseminated. Social media platforms, live streaming, and virtual reality have expanded the reach of Carnaval, allowing people who cannot attend in person to participate and engage with the festivities online. This digital shift not only enhances the accessibility and inclusivity of Carnaval but also poses questions about the preservation of its traditional aspects in the face of modern innovation (Jenkins, 2006).

In Indonesia, the integration of digital tools into Carnaval celebrations has led to new forms of artistic expression and audience engagement. The use of social media to promote events, share behind-the-scenes content, and connect with a global audience has become a vital component of modern Carnaval organization. Furthermore, digital archives and virtual exhibitions help preserve the cultural heritage of Carnaval, ensuring that its history and significance are accessible to future generations (Murtagh, 2019).

Understanding the interplay between Carnaval, globalization, and digital transformation provides valuable insights into the dynamics of cultural continuity and change. It highlights the resilience and adaptability of cultural traditions in a rapidly changing world and underscores the importance of balancing innovation with the preservation of cultural heritage. This paper seeks to contribute to this understanding by exploring the multifaceted nature of Carnaval and its evolving role in contemporary society.

2. Literature review

2.1. Key milestones and transformation

Carnaval, also known as Carnival, is a festive season that occurs before Lent and is characterized by parades, masquerades, and public celebrations. The origins of Carnaval can be traced back to ancient pagan festivals in Europe, particularly those that celebrated the arrival of spring. These pagan rituals were later absorbed into Christian traditions, leading to the pre-Lenten celebrations we recognize today (Burke, 2019).

Medieval Europe

During the Middle Ages, Carnaval became a significant part of European culture, with each region developing its own unique customs and traditions. These celebrations often included feasting, drinking, and public revelry, providing a brief period of merriment before the austerity of Lent. The medieval Carnaval was marked by its communal and participatory nature, with events such as mock battles, role reversals, and satirical performances that allowed the lower classes to temporarily subvert social hierarchies (Davis, 2009).

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In France, for instance, the Feast of Fools and the Feast of the Ass were popular medieval festivals that featured elements of Carnaval. These events involved the election of mock bishops and abbots, who led parades and presided over humorous and irreverent ceremonies (Bakhtin, 1984). Similarly, in Italy, the Carnevale di Venezia became renowned for its elaborate masks and costumes, which allowed participants to adopt new identities and challenge social norms (Muir, 2014).

Colonial Expansion

The spread of European colonialism in the 16th and 17th centuries brought Carnaval to the Americas, where it merged with indigenous and African cultures, creating new hybrid forms. In the Caribbean, for example, the French and Spanish colonists introduced their pre-Lenten festivities, which were then infused with African rhythms, dances, and folklore by enslaved Africans (Liverpool, 2001). This syncretism gave rise to unique Carnaval traditions such as Trinidad and Tobago's Carnival, which features calypso music, steelpan bands, and vibrant masquerade costumes.

In Brazil, Portuguese colonists brought their Entrudo celebrations, which involved water fights and practical jokes. Over time, these festivities evolved into the iconic Brazilian Carnaval, characterized by its samba parades, extravagant floats, and street parties (Goldblatt, 2011). The fusion of African, indigenous, and European elements in Brazilian Carnaval reflects the country's diverse cultural heritage and has made it one of the most famous and grandiose Carnaval celebrations in the world.

19th Century

The 19th century saw significant changes in the way Carnaval was celebrated, driven by the industrial revolution and urbanization. As cities grew and populations became more concentrated, Carnaval transformed from a series of small, localized events into large-scale public spectacles. This period also witnessed the commercialization of Carnaval, with the rise of organized parades, ticketed events, and sponsored festivities (Roberts, 2012).

In New Orleans, for example, the arrival of French settlers in the early 18th century introduced Mardi Gras to the city. By the mid-19th century, Mardi Gras had evolved into a major tourist attraction, with krewes (private social clubs) organizing elaborate parades and balls. The introduction of float parades in the 1850s, led by the Mistick Krewe of Comus, marked a turning point in the development of Mardi Gras, setting the stage for the grand celebrations that continue to this day (Kinser, 1990).

Similarly, in Europe, the Carnevale di Venezia experienced a revival in the late 19th century, after being suppressed for nearly a century by Napoleon and later the Austrian Empire. The reestablishment of the Venice Carnival as a major cultural event in the 1970s further cemented its status as a symbol of Venetian identity and heritage (Muir, 2014).

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20th Century

The 20th century brought technological advancements that transformed the way Carnaval is celebrated and experienced, making it accessible to a global audience. The advent of radio and television allowed for the broadcasting of Carnaval events, reaching audiences far beyond the immediate participants. This period also saw the rise of mass media coverage, with newspapers, magazines, and later, the internet, playing a crucial role in disseminating information and images of Carnaval (Pietsch, 2015).

The introduction of radio broadcasts in the 1920s enabled people to listen to Carnaval music and live commentary from parades and events, fostering a sense of connection and participation even for those who could not attend in person. The development of television further enhanced this experience, with live broadcasts of iconic Carnaval parades such as the Rio de Janeiro samba parade and the New Orleans Mardi Gras reaching millions of viewers worldwide (Turner, 1983).

The internet era has further revolutionized Carnaval, with social media platforms like Facebook, Instagram, and Twitter providing new ways for people to engage with and share their Carnaval experiences. Virtual reality (VR) and augmented reality (AR) technologies have also begun to offer immersive experiences of Carnaval, allowing users to participate in virtual parades and explore Carnaval events from the comfort of their homes (Guttentag, 2010).

2.2. Global perspectives on carnaval

Brazil

The Brazilian Carnaval, particularly in Rio de Janeiro, is one of the most famous and grandiose celebrations, known for its samba parades, elaborate costumes, and street parties. It is deeply rooted in African-Brazilian culture and has become a symbol of Brazilian identity. The samba schools in Rio de Janeiro prepare year-round for the Carnaval parade, showcasing their elaborate floats, costumes, and choreographed dances in a competition that draws millions of spectators (Goldblatt, 2011). In addition to Rio, other Brazilian cities such as Salvador and Recife have their own unique Carnaval traditions. Salvador's Carnaval is known for its trio elétrico (large trucks equipped with powerful sound systems) that host performances by popular music artists, while Recife's Carnaval features the frevo dance and the giant Galo da Madrugada parade, recognized as the largest parade in the world (Parés, 2013).

Trinidad and Tobago

Trinidad and Tobago's Carnival is renowned for its vibrant costumes, calypso music, and steelpan bands. It is also notable for its social and political commentary, with many performances addressing contemporary issues. The Carnival season begins with the "Dimanche Gras" show, featuring the crowning of the Calypso Monarch, and culminates in the two-day street parade known as "Mas" (short for masquerade) (Liverpool, 2001).

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The steelpan, invented in Trinidad in the 1930s, has become an iconic symbol of the island's Carnival. The Panorama competition, held during Carnival, showcases the best steel orchestras in a highly anticipated musical contest. Additionally, the Carnival King and Queen competition highlights the artistry and creativity of costume designers, with participants donning elaborate and often oversized costumes (Stuempfle, 1995).

Venice

The Venice Carnival is famous for its masquerade balls and ornate masks, reflecting the city's rich history and tradition of theatricality and pageantry. The use of masks during Carnevale dates back to the 13th century, allowing participants to conceal their identities and engage in activities that would otherwise be socially prohibited. This tradition of anonymity and role reversal has persisted, with the modern Venice Carnival featuring a variety of masked balls, public events, and street performances (Muir, 2014). The masks themselves have become works of art, with Venetian artisans crafting intricate designs using traditional techniques. Popular mask styles include the "Bauta" (a full-face mask with a protruding chin), the "Colombina" (a half-mask covering only the eyes and upper cheeks), and the "Medico della Peste" (the plague doctor mask with its distinctive long nose) (Scarpa, 2018).

New Orleans

Mardi Gras in New Orleans is characterized by its unique blend of French, Spanish, African, and Creole influences. Parades, beads, and King Cake are integral parts of the celebration. The festivities begin on Twelfth Night (January 6) and culminate on Fat Tuesday, the day before Ash Wednesday (Kinser, 1990). The parades, organized by krewes, feature elaborately decorated floats, marching bands, and masked riders who throw beads, doubloons, and other trinkets to the crowds. The tradition of bead-throwing dates back to the 19th century and has become one of the most recognizable aspects of Mardi Gras. Another popular custom is the King Cake, a ring-shaped pastry decorated with purple, green, and gold icing, which contains a hidden figurine of a baby. The person who finds the baby in their slice is expected to host the next King Cake party (Laborde, 2002).

Indonesia

In Indonesia, Carnaval-like celebrations, known as "Cap Go Meh," are held primarily by the Chinese-Indonesian community to mark the fifteenth and final day of the Lunar New Year. These celebrations, especially prominent in cities such as Singkawang and Pontianak in West Kalimantan, feature parades with dragon and lion dances, decorated floats, and performances by "Tatungs" or spirit-mediums who display acts of self-mortification and trance-induced feats (Turner, 2003). Singkawang's Cap Go Meh festival is particularly famous for its "Tatung" performances, where participants demonstrate their immunity to pain through acts such as piercing their cheeks with sharp objects. These rituals are believed to drive away evil spirits and bring good fortune to the community.

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The festival has grown in popularity over the years, attracting tourists from across Indonesia and abroad, and is often promoted through various digital platforms and social media (Mulyadi, 2016).

2.3. Studies on technological impacts on carnaval

Technological advancements have significantly transformed the way cultural festivals like Carnaval are celebrated, experienced, and shared. Previous research has explored various aspects of this transformation, including the role of social media, virtual and augmented reality, digital marketing, and the formation of online communities.

Social Media

Social media platforms have revolutionized the way Carnaval is promoted and experienced. Platforms like Facebook, Instagram, and Twitter allow for real-time sharing of photos, videos, and live streams, enabling both participants and spectators to connect and engage with the festival. Research has shown that social media enhances the visibility and reach of Carnaval, attracting a global audience and fostering a sense of community among participants (Jenkins, 2020). For instance, studies on the Rio de Janeiro Carnaval have highlighted the role of Instagram in showcasing the event's visual spectacle, with hashtags and geotags helping to curate and amplify content, creating a digital archive of the event. Similarly, research on the New Orleans Mardi Gras has examined how Facebook groups and pages serve as platforms for organizing events, sharing historical information, and connecting with fellow enthusiasts (Mendes-Filho et al., 2018).

Virtual and Augmented Reality

Innovations in virtual and augmented reality have created new possibilities for experiencing Carnaval. Virtual reality (VR) can offer immersive experiences of Carnaval parades and events, allowing users to "attend" the festivities from anywhere in the world. Augmented reality (AR), on the other hand, can enhance live experiences by overlaying digital information and interactive elements onto the physical environment (Guttentag, 2010). One notable example is the use of VR during the Venice Carnival, where virtual tours of historical sites and 360-degree videos of masquerade balls provide a unique way for people to experience the event. Similarly, AR applications have been used in New Orleans to create interactive parade maps and provide real-time information about float themes and krewe histories (Zhang et al., 2018).

Digital Marketing

Carnaval organizers are increasingly using digital marketing strategies to attract tourists and participants. These strategies include targeted advertising, online ticket sales, and interactive websites. By leveraging data analytics and social media insights, organizers can tailor their marketing efforts to specific demographics and maximize their reach (Hjalager, 2010). For example, the Trinidad and Tobago Carnival's official website offers comprehensive information about events, ticketing, and accommodations, along

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with promotional videos and interactive content. Digital marketing campaigns often highlight the unique cultural aspects of Carnaval, emphasizing its role in preserving and celebrating heritage (Carlsen & Andersson, 2011).

Online Communities

The formation of online communities around Carnaval has facilitated the sharing of knowledge, traditions, and practices. These communities help preserve cultural heritage and foster a sense of belonging among dispersed participants. Online forums, social media groups, and dedicated websites provide platforms for discussions, storytelling, and the exchange of ideas (Rheingold, 2000). For instance, Facebook groups dedicated to different Carnaval traditions allow members to share photos, videos, and personal stories, creating a virtual space for collective memory and cultural exchange. These online communities also play a crucial role in organizing events, coordinating volunteer efforts, and mobilizing support for Carnaval-related causes (Wellman et al., 2001).

3. Case Studies

3.1. Carnaval events integrating digital technology

Rio de Janeiro, Brazil: The Samba Parade

The Rio de Janeiro Carnaval is one of the most iconic and internationally renowned Carnaval celebrations. In recent years, the event has embraced digital technology to enhance the experience for both participants and global audiences. The integration of digital technology in Rio's Carnaval includes live streaming, augmented reality (AR), and social media engagement. Live streaming of the samba parades has brought the vibrant energy of Rio's Carnaval to millions of viewers worldwide. Platforms such as YouTube, Facebook Live, and dedicated Carnaval apps provide real-time coverage of the parades, allowing audiences to experience the event regardless of their geographical location. This digital inclusion has expanded the Carnaval's reach, making it accessible to a global audience (Jenkins, 2020). Augmented reality has also been used to enrich the live experience for attendees. The official Rio Carnaval app offers AR features that provide additional information about the samba schools, their themes, and the history of their performances. Users can point their smartphones at parade floats or costumes to access interactive content, enhancing their understanding and appreciation of the event (Guttentag, 2010).

Social media campaigns play a crucial role in promoting Rio's Carnaval. Hashtags like #Carnaval2024 and #RiodeJaneiroCarnaval trend globally, creating a buzz around the event. The samba schools actively engage with followers on platforms like Instagram and Twitter, sharing behind-the-scenes content, rehearsals, and live updates. This continuous digital interaction keeps the audience engaged and builds anticipation leading up to the main event (Mendes-Filho et al., 2018).

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Venice, Italy: Carnevale di Venezia

The Carnevale di Venezia is renowned for its elaborate masks and historical pageantry. Digital technology has been seamlessly integrated into this traditional celebration, enhancing both the promotional efforts and the attendee experience. Virtual reality (VR) has been employed to offer virtual tours of Venice's historical sites and iconic Carnevale events. VR experiences allow users to "attend" masquerade balls and explore the city's picturesque canals from their homes. This technology not only makes the event accessible to those who cannot travel but also serves as a promotional tool, enticing potential visitors to experience the real event in the future (Zhang et al., 2018). The official Carnevale di Venezia website features interactive maps and event schedules, providing attendees with real-time information about parades, performances, and workshops. Augmented reality is used in the city's tourist app to guide visitors through historical routes and offer insights into the traditions and significance of the masks and costumes (Scarpa, 2018).

Social media platforms are heavily utilized for marketing the Carnevale di Venezia. Influencers and content creators collaborate with the event organizers to showcase the beauty and cultural richness of the festival. Hashtags such as #VeniceCarnival and #CarnevaleVenezia are used to create a cohesive digital presence, drawing attention from global audiences (Muir, 2014).

Trinidad and Tobago: Virtual Carnival

The COVID-19 pandemic posed significant challenges for in-person events, leading to the innovative concept of a virtual Carnival in Trinidad and Tobago. The Trinidad and Tobago Carnival Commission (TTCC) launched a comprehensive digital campaign to recreate the Carnival experience online. The virtual Carnival featured live-streamed performances by popular calypso and soca artists, virtual costume contests, and interactive workshops on traditional dance and music. The TTCC partnered with various digital platforms to ensure high-quality streaming and interactive features, enabling participants to engage with the content in real-time (Liverpool, 2001).

Social media played a pivotal role in promoting the virtual Carnival. The TTCC utilized platforms such as Instagram, Facebook, and Twitter to share updates, promotional videos, and interactive content. Hashtags like #VirtualCarnival and #TrinidadCarnival2021 trended globally, driving significant online engagement and participation (Mendes-Filho et al., 2018).

New Orleans, USA: Mardi Gras Virtual Experiences

New Orleans' Mardi Gras adapted to digital platforms to maintain the festive spirit during the pandemic. The Krewe of House Floats initiative encouraged residents to decorate their homes as parade floats, creating a city-wide art installation. This concept was shared extensively on social media, with a dedicated website and interactive map

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guiding viewers through the various "house floats" (Laborde, 2002). Virtual Mardi Gras events included live-streamed performances, cooking classes on traditional New Orleans cuisine, and virtual parades using augmented reality. These digital experiences allowed participants to engage with Mardi Gras traditions from their homes, ensuring the festival's continuity despite restrictions on public gatherings (Kinser, 1990).

3.2. Jember Fashion Carnaval (JFC) in Indonesia

Carnavals, including the Jember Fashion Carnaval (JFC) in Indonesia, exemplify how digital technology can be harnessed to promote cultural heritage, inclusivity, and sustainability while preserving the traditional elements that make Carnaval a unique and cherished celebration. JFC has effectively embraced digital inclusivity by involving local artists and cultural experts in the production of its digital content. This collaboration ensures that the digital representation of the event accurately reflects the community's diverse cultural heritage and artistic expressions. Furthermore, the event's digital campaigns frequently highlight the stories and contributions of individual participants, providing a platform for local voices to be heard on a global stage (Simatupang & Taufik, 2016). In addition to fostering inclusivity, JFC has made significant strides in promoting sustainability through its digital initiatives. The event's organizers have launched social media campaigns focused on environmental awareness, encouraging participants to use recycled materials for their costumes. Moreover, the virtual components of the event, such as online costume exhibitions and digital workshops on sustainable fashion, have significantly reduced the environmental impact associated with travel and physical production.

4. Discussion

The integration of digital technology into Carnaval events offers numerous opportunities to enhance accessibility, inclusivity, and sustainability. However, it is crucial to balance these innovations with the preservation of cultural traditions, ensuring that the essence and authenticity of Carnaval are maintained. By thoughtfully incorporating digital technologies, organizers can create enriched and meaningful Carnaval experiences for diverse global audiences. Those carnavals serve as an example of how digital technology can be harnessed to promote cultural heritage, inclusivity, and sustainability, while still preserving the traditional elements that make Carnaval a unique and cherished celebration.

4.1. Cultural Continuity vs. Change

The integration of digital technology into Carnaval events presents both opportunities and challenges. One of the primary concerns is maintaining cultural continuity while embracing modern innovations. Digital platforms can enhance the accessibility and reach of traditional events, but there is a risk of diluting the cultural essence and authenticity. For instance, live streaming and social media engagement have

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made Carnaval events accessible to a global audience, fostering cultural exchange and appreciation. The event, known for its elaborate and culturally rich costumes, utilized digital platforms to showcase its vibrant parades to a worldwide audience (Simatupang & Taufik, 2016). However, the commercialization and digital representation of these events can sometimes overshadow their historical and cultural significance (Hjalager, 2010). Organizers must strike a balance by preserving traditional elements while leveraging technology to enhance the experience. Incorporating digital technology should aim to complement and enrich the cultural traditions of Carnaval. For example, augmented reality can provide educational content about the history and significance of costumes and rituals, deepening the audience's understanding and connection to the event (Guttentag, 2010). Virtual reality experiences can offer immersive tours that highlight the cultural and historical contexts of the festival, promoting cultural preservation and education.

4.2. Digital Inclusivity

Digital inclusivity is a critical consideration in the integration of technology into Carnaval events. Ensuring that diverse audiences can access and participate in digital Carnaval experiences is essential for fostering inclusivity and cultural exchange. Accessibility can be enhanced by providing multilingual content and subtitles for live-streamed events, making the digital Carnaval experience accessible to non-native speakers. Additionally, offering content in multiple formats (e.g., video, audio, text) can cater to different preferences and needs, ensuring a broader reach (Wellman et al., 2001). Collaborating with local communities and cultural organizations can also promote inclusivity. By involving community members in the creation and promotion of digital content, organizers can ensure that diverse voices and perspectives are represented. This approach not only enriches the digital Carnaval experience but also fosters a sense of ownership and participation among local communities (Rheingold, 2000).

4.3.Impact of Digital Technologies on the Environmental Footprint of Carnaval

The integration of digital technologies in Carnaval events can contribute to sustainability efforts by reducing the environmental footprint associated with large-scale festivals. Traditional Carnaval events often involve significant resource consumption, including materials for costumes and floats, energy for lighting and sound systems, and waste generated by attendees. Digital technologies can mitigate some of these environmental impacts. Virtual and augmented reality experiences, for example, reduce the need for physical travel, thereby lowering carbon emissions. Live-streaming events and offering digital tickets can also minimize the use of paper and other physical resources (Zhang et al., 2018). Furthermore, digital platforms can facilitate the promotion of sustainable practices among participants. Social media campaigns can raise awareness about environmental issues and encourage eco-friendly behaviors, such as recycling, using sustainable materials for costumes, and reducing waste. By integrating

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sustainability messages into digital content, Carnaval organizers can inspire positive environmental actions among their audiences (Hjalager, 2010).

4.4. Implications for Future Carnaval and Cultural Preservation

The integration of digital technology into Carnaval celebrations has profound implications for the future of these cultural events and their preservation. As digital platforms become increasingly integral to the way people experience and engage with Carnaval, it is crucial to consider how these changes will shape the future landscape of these festivities.

Enhanced Accessibility and Global Reach

Digital technology can significantly enhance the accessibility and global reach of Carnaval celebrations. By leveraging live streaming, social media, and virtual reality, Carnaval events can be experienced by a broader audience, transcending geographical boundaries. This increased accessibility fosters cultural exchange and appreciation, allowing people from diverse backgrounds to participate in and learn about different Carnaval traditions (Jenkins, 2020). For instance, the Jember Fashion Carnaval in Indonesia has successfully used digital platforms to showcase its unique cultural heritage to an international audience, thereby enhancing its global profile and cultural influence (Simatupang & Taufik, 2016).

Cultural Preservation Through Digital Archiving

Digital technology also offers innovative ways to preserve the cultural heritage associated with Carnaval. Digital archiving of performances, costumes, and rituals can create comprehensive repositories of cultural knowledge, ensuring that these traditions are documented and accessible for future generations (Norris, 2020). Virtual reality experiences and augmented reality applications can provide immersive and interactive ways to explore the historical and cultural contexts of Carnaval, making it easier for younger generations to connect with and appreciate these traditions (Guttentag, 2010).

Balancing Tradition with Innovation

While digital technology offers many benefits, it is essential to balance these innovations with the preservation of traditional elements. The risk of cultural dilution and commercialization is significant, as digital representations may sometimes overshadow the authenticity and historical significance of Carnaval events (Hjalager, 2010). Organizers must strive to use digital tools to complement and enhance the traditional aspects of Carnaval, ensuring that the cultural essence is preserved. For example, the Jember Fashion Carnaval has successfully integrated digital technology while maintaining its cultural authenticity to provide educational content about the significance of its costumes and themes.

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Promoting Sustainability

Digital technology can contribute to the sustainability of Carnaval celebrations by reducing the environmental footprint associated with large-scale events. Virtual and augmented reality experiences can minimize the need for physical travel, thereby lowering carbon emissions. Additionally, digital campaigns can promote sustainable practices among participants, such as using recycled materials for costumes and reducing waste (Zhang et al., 2018). By integrating sustainability messages into digital content, Carnaval organizers can inspire environmentally friendly behaviors and reduce the ecological impact of these celebrations (Hjalager, 2010).

5. Conclusion

The integration of digital technology into Carnaval celebrations offers a transformative potential that can enhance the accessibility, inclusivity, and sustainability of these cultural events. However, it is imperative to balance these innovations with the preservation of cultural traditions to maintain the authenticity and historical significance of Carnaval.

The historical evolution of Carnaval, from its roots in ancient pagan festivals to its current global manifestations, underscores the dynamic nature of these celebrations. Digital platforms can effectively showcase and preserve cultural heritage while reaching a global audience. The use of augmented reality, live streaming, and social media has enabled broader participation and deeper engagement, fostering cultural exchange and appreciation.

Cultural continuity versus change is a central theme in the digitization of Carnaval. While digital technology can potentially dilute the cultural essence of these events, thoughtful integration can complement and enrich traditional elements. By providing educational content and immersive experiences, digital innovations can enhance the audience's understanding and connection to the cultural significance of Carnaval. Digital inclusivity is another critical consideration. Ensuring that diverse audiences can access and participate in digital Carnaval experiences is essential for fostering inclusivity and cultural exchange. Collaborating with local communities and cultural organizations can ensure that diverse voices and perspectives are represented, promoting a sense of ownership and participation among local communities. The environmental impact of Carnaval celebrations can also be mitigated through digital technologies. Virtual and augmented reality experiences can reduce the need for physical travel, thereby lowering carbon emissions. Digital campaigns can promote sustainable practices among participants, encouraging eco-friendly behaviors and reducing waste.

Recommendations for stakeholders emphasize the need for a collaborative effort to integrate digital technology responsibly. Organizers should embrace digital storytelling, foster community involvement, and leverage social media for engagement. Policymakers

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should support digital infrastructure, preserve cultural heritage, promote inclusivity, and encourage sustainable practices. Digital platforms should enhance user experience, facilitate cultural exchange, promote digital inclusivity, and support sustainability initiatives. Finally, the successful integration of digital technology into Carnaval celebrations requires a balanced approach that preserves cultural traditions while embracing modern innovations. By thoughtfully incorporating digital technologies, stakeholders can create enriched and meaningful Carnaval experiences that celebrate cultural heritage, promote global participation, and encourage sustainable practices.

References

- Astuti, I. (2013). Jember Fashion Carnaval: Representasi Budaya Lokal di Panggung Internasional. *Jurnal Ilmu Sosial dan Ilmu Politik*, 17(2), 135-148.
- Bakhtin, M. (1984). Rabelais and His World. Indiana University Press.
- Burke, P. (2019). Festivals and the Cultural Public Sphere. Routledge.
- Carlsen, J., & Andersson, T. D. (2011). Strategic SWOT analysis of public, private and not-for-profit festival organisations. *International Journal of Event and Festival Management*, 2(1), 83-97.
- Cohen, A. (2004). Global Diasporas: An Introduction. Routledge.
- Cooper, A. (2010). Carnival: A Window to the World. Penguin Books.
- Davis, N. Z. (2009). *Society and Culture in Early Modern France: Eight Essays*. Stanford University Press.
- Gilbert, H. (2020). Carnival and Other Christian Festivals: Folk Theology and Folk Performance. Cambridge University Press.
- Goldblatt, D. (2011). Rio de Janeiro: Carnival under Fire. Bloomsbury Publishing.
- Goldblatt, J., & Lee, S. (2020). The International Festivals and Events Handbook. Wiley.
- Guttentag, D. A. (2010). Virtual reality: Applications and implications for tourism. *Tourism Management*, 31(5), 637-651.
- Hjalager, A. M. (2010). A review of innovation research in tourism. *Tourism Management*, 31(1), 1-12.
- Jenkins, H. (2020). Convergence Culture: Where Old and New Media Collide. NYU Press
- Kinser, S. (1990). *Carnival, American Style: Mardi Gras at New Orleans and Mobile*. University of Chicago Press.
- Laborde, E. L. (2002). *Mardi Gras: Chronicles of the New Orleans Carnival*. Pelican Publishing.
- Liverpool, H. (2001). *Rituals of Power and Rebellion: The Carnival Tradition in Trinidad and Tobago*, 1763-1962. Frontline Distribution International.

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- Mendes-Filho, L., Tan, F. B., Milne, S., & Cohen, S. (2018). Social media marketing in tourism: A study of Facebook among Irish accommodation providers. *Journal of Travel & Tourism Marketing*, 35(6), 755-771.
- Muir, E. (2014). Ritual in Early Modern Europe. Cambridge University Press.
- Murtagh, W. J. (2019). *Keeping Time: The History and Theory of Preservation in America*. John Wiley & Sons.
- Nurse, K. (1999). Globalization and Trinidad Carnival: Diaspora, Hybridity and Identity in Global Culture. *Cultural Studies*, *13*(4), 661-690.
- Parés, L. C. (2013). *The Formation of Candomblé: Vodun History and Ritual in Brazil.* University of North Carolina Press.
- Pietsch, T. (2015). Empire of Scholars: Universities, Networks and the British Academic World, 1850-1939. Manchester University Press.
- Rheingold, H. (2000). *The Virtual Community: Homesteading on the Electronic Frontier*. MIT Press.
- Roberts, M. (2012). Carnival and Culture: Sex, Symbol, and Status in Spain. University of Chicago Press.
- Scarpa, E. (2018). Masks and Masking in Medieval and Early Tudor England. Routledge.
- Simatupang, A., & Taufik, M. (2016). The Jember Fashion Carnaval: Cultural Celebration in a Global Context. *Journal of Cultural Studies*, 7(2), 45-60.
- Stuempfle, S. (1995). The Steelband Movement: The Forging of a National Art in Trinidad and Tobago. University of Pennsylvania Press.
- Turner, V. (1983). The Anthropology of Performance. PAJ Publications.
- Wellman, B., Haase, A. Q., Witte, J., & Hampton, K. (2001). Does the Internet increase, decrease, or supplement social capital? Social networks, participation, and community commitment. *American Behavioral Scientist*, 45(3), 436-455.
- Zhang, H., Gordon, S., Buhalis, D., & Ding, X. (2018). Experience value cocreation on destination online platforms. *Journal of Travel Research*, 58(1), 107-122.
