THE ROLE OF DIGITAL MEDIA IN MARKETING TRANSFORMATION: A COMPARATIVE STUDY OF VARIOUS INDUSTRIES

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Abstract
This research explores the role of digital media in marketing transformation across various industries, focusing on how these technologies are transforming traditional marketing strategies into more dynamic and focused ones. Analyses were conducted on a comparative basis to understand the different adoption and implementation rates of digital media in sectors such as retail, entertainment, agriculture and manufacturing. Findings show that industries that are more directly connected to consumers, such as retail and entertainment, have been quicker to adopt digital solutions, while industries with more complex supply chains face greater challenges. The study confirms the importance of digital media in providing greater marketing flexibility and efficiency, and encourages companies to adapt and innovate to maintain competitiveness in the evolving digital economy.
Keywords: Role, Digital Media, Marketing Transformation, Comparative Study of Various Industries.

Introduction

The development of digital technology in recent decades has brought significant changes in various aspects of life, including in the field of marketing. This phenomenon is characterised by rapid advances in information and communication technology (ICT), such as the internet, mobile devices, social media, and cloud computing. These developments not only increase efficiency and productivity but also change the way individuals and organisations interact, operate, and innovate. In addition, digital developments have opened up new opportunities for business growth, social engagement, and access to information (Tafesse & Wien, 2018) .

Digital media, such as social media, websites, and mobile applications, have become important tools used by companies to reach consumers in a more efficient and effective way. This transformation from traditional marketing to digital marketing has

changed the way companies communicate with their customers, as well as how customers interact with brands in the marketplace (Killian & McManus, 2015) .

Brand awareness promotion using digital media is a marketing strategy that utilises online platforms to reach a wider and more diverse audience. By using tools such as social media, websites, email marketing, and digital advertising, companies can build brand awareness effectively and interactively. Digital campaigns allow for more precise targeting, tailoring messages according to consumer demographics, interests and behaviour (Edelman, 2010) . In addition, the use of analytics technology in digital media provides valuable insights into campaign effectiveness, enabling real-time adjustments to strategies to improve results and maximise marketing budgets. These strategies not only connect brands with potential customers but also encourage active engagement and consumer loyalty (Leeflang et al., 2014) .

Therefore, the use of digital media in marketing strategies not only allows companies to reach a wider audience but also provides the ability to conduct more targeted market segmentation. Emerging analytics technologies enable more personalised marketing, where marketing messages can be tailored to individual user preferences, based on data collected from their online activities (Ashley & Tuten, 2015) . However, the implementation of digital media in marketing is not uniform across all industries. Each industry has its own unique characteristics, which affect how digital media can be optimally utilised. For example, the retail industry may focus more on e-commerce and social media for marketing, whereas the healthcare industry may have a different approach to using digital media for education and communication with patients (Kumar & Das, 2021) .

In addition, the transformation of marketing through digital media also faces some challenges. Rapid changes in technology and digital trends require companies to constantly adapt, which can be a burden especially for small and medium-sized enterprises. There are also data security and privacy issues that are increasingly important as the use of consumer data for marketing purposes increases (Brodie et al., 2011) .

In this context, research on the role of digital media in marketing transformation is relevant and necessary. Analysing how different industries adopt digital media in their marketing strategies, as well as studying the challenges and opportunities faced, will provide valuable insights for marketing practitioners and researchers in this field.

Research Methods

The study in this research uses the literature method. The literature research method is a systematic approach in collecting, evaluating, and analysing existing information from various library sources, such as books, journal articles, research reports, and other publications. The purpose of this method is to gain a deep understanding of a particular topic, identify existing trends and patterns, and find

research gaps that can be further explored (Hidayat, 2009) ; (Afiyanti, 2008) . In practice, literature research involves a process of searching relevant literature, organising information categorically or thematically, and synthesising previous findings to build a solid theoretical foundation. This method also allows researchers to relate their research to previous studies, support the arguments put forward, and ensure that the research is based on recognised knowledge, ultimately contributing to the development of science in the field (Syahran, 2020) .

Results and Discussion
The Role of Digital Media in Marketing Transformation

One of the key roles of digital media in marketing transformation is its ability to significantly increase audience reach. Through platforms such as social media, email marketing, and digital advertising, businesses can reach consumers in different parts of the world without geographical restrictions. Ads placed on platforms such as Google, Facebook, and Instagram can be accurately targeted based on user demographics, interests, and behaviour, so marketing messages can be delivered to very specific and relevant audiences (Tiago & Veríssimo, 2014) .

Digital media allows businesses to establish a more personalised and interactive relationship with their consumers. By utilising user data and analytics, companies can curate content that better suits individual preferences and needs. These interactions may include personalised emails, special offers based on purchase behaviour, or responsive customer service through social media platforms. This approach not only improves customer satisfaction but also encourages brand loyalty and increases the likelihood of repeat purchases (Kannan & Li, 2017) .

One of the advantages of digital media over traditional marketing methods is its ability to accurately measure and analyse campaign performance. Analytical tools such as Google Analytics, Facebook Insights, and various digital marketing software allow businesses to track important metrics such as click rates, conversions, and ROI (Return on Investment). This information provides valuable insights to evaluate the effectiveness of marketing strategies and make necessary adjustments to optimise campaign results (Chaffey & Ellis-Chadwick, 2020) .

Digital transformation in marketing also has an impact on cost efficiency. Digital campaigns are often cheaper than traditional marketing campaigns such as television, radio or print, while still reaching a wider and more targeted audience. This lower cost allows small and medium-sized businesses to compete with big players in the market. In addition, the flexibility of digital platforms allows for quick and efficient adjustments to budgets and strategies based on the results achieved (Kim & Ko, 2012) .

The use of digital media in marketing opens up many opportunities for innovation and creativity. Various content formats such as videos, infographics, podcasts and interactive stories offer new ways to capture audience attention and

deliver marketing messages. Digital platforms also provide the means for more interactive and participatory campaigns, such as online contests, surveys, and live streaming. These innovations not only make marketing campaigns more engaging but also differentiate brands from competitors (Felix et al., 2017) .

Finally, digital media plays an important role in building communities and long-term relationships with consumers. Platforms such as social media allow brands to interact directly with fans and followers, creating a sense of community and engagement. Through consistent and relevant content, as well as increased responsiveness to feedback and reviews, companies can build deeper and more sustainable relationships with their customers. These relationships are invaluable in retaining customers, increasing loyalty, and ultimately driving sustainable business growth (Seo & Park, 2018) .

With all these roles, it is clear that digital media has fundamentally changed the marketing landscape, providing new tools and strategies that allow businesses to more effectively achieve their goals.

Differences in Digital Media Implementation Across Industries

The implementation of digital media in various industries has significant differences because each sector has unique needs, target audiences, and characteristics. In the banking and finance industry, for example, digital media is used to speed up transactions, improve security, and provide better customer service. Mobile banking apps, chatbots, and online financial services are some examples of technologies implemented in this sector. The use of big data and analytics has also become very important to understand customer behaviour and manage risk (Valos et al., 2016) .

On the other hand, the retail industry is utilising digital media to enhance customer shopping experience as well as expand market reach. E-commerce has become a key element in modern retail, allowing customers to shop anytime and anywhere. Online platforms, mobile apps, and integration with social media have become important tools to attract and retain customers. Smart retailers have also started using technologies such as Augmented Reality (AR) to provide a more engaging and interactive shopping experience (Mir & Rehman, 2010) .

The healthcare industry is using digital media to improve healthcare services as well as operational efficiency. Telemedicine or online health consultations have been a solution during the pandemic, making it easier for patients to get medical treatment without having to come to the hospital. In addition, electronic health records (EHR) help patient care to be faster and more coordinated. Digital health platforms are also often used for patient education and health promotion (Barreda et al., 2015) .

In the education industry, digital media helps create more dynamic and flexible learning methods. E-learning platforms, Learning Management Systems (LMS), and

online learning applications allow educational institutions to deliver lessons without geographical restrictions. Students can access learning materials at any time, as well as communicate directly with teachers through various digital communication tools. The use of technologies such as Artificial Intelligence (AI) in education also helps in personalising the learning process according to the needs of each student (Merz et al., 2018).

The tourism and hospitality industry has also benefited greatly from digital media. Online booking platforms and travel apps make it easier for travellers to plan and book trips. Social media and online reviews play an important role in influencing travellers' decisions. Hotels and restaurants are also using digital technology to improve customer service through automation and personalisation. Chatbots on hotel websites or apps, for example, can provide fast and efficient service (Wang & Chien, 2012).

Digital media in the entertainment sector has changed the way content is consumed. Music and video streaming services, such as Spotify and Netflix, have changed the landscape of the entertainment industry by providing easy access to high-quality content. The development of social media platforms has also paved the way for independent content creators to reach a global audience. Technologies such as VR (Virtual Reality) and AR (Augmented Reality) are beginning to be adopted to enhance entertainment experiences, such as in video games or virtual concerts (Gensler et al., 2013).

Overall, although digital media is applied in different industries in different ways, the goal remains the same: to improve operational efficiency, expand market share, and provide a better experience for customers.

Challenges and Opportunities Facing the Use of Digital Media for Marketing

The use of digital media for marketing opens up many opportunities for businesses, but it also comes with challenges. One of the biggest opportunities is the ability to reach a wider audience at a relatively lower cost compared to traditional marketing methods. Through social media platforms, websites, and e-mail marketing, businesses can communicate directly with potential customers around the world. Algorithms and data-driven analytics also allow advertisers to target ads more effectively, which results in increased return on investment (ROI) (Malthouse et al., 2013).

However, the main challenge faced in using digital media for marketing is the fierce competition. As almost all businesses now have an online presence, it takes a highly creative strategy and clear differentiation to stand out in the digital world. Content must be created by a competent team in order to attract and retain the audience's interest. Moreover, the ever-changing algorithms of social platforms demand marketers to be up-to-date with the latest trends and strategies that work (Kotler et al., 2017).

Along with the opportunity to reach a global audience comes the challenge of organising and managing consistent and relevant communications across diverse markets. Incorrect segmentation or messages that are not customised to local cultures can lead to misunderstandings and damage brand image. In addition, with attention spans getting shorter on online platforms, content must be designed to deliver messages quickly and effectively. This requires a deep understanding of the target audience and their preferences (Bolton et al., 2014).

Big data offers opportunities to understand consumer behaviour and tailor marketing strategies effectively. However, effective data management is a major challenge. Businesses must ensure that the data collected is analysed and used ethically and in accordance with applicable data protection regulations, such as GDPR in Europe. Mistakes in data handling can lead to serious privacy breaches and undermine customer trust in the brand (Schultz et al., 2015).

Direct interaction with consumers through digital media can increase customer satisfaction and build stronger relationships. However, it also demands the ability to respond to consumer queries, complaints and feedback quickly and effectively. The implementation of chatbots or other automation tools can help, but it still requires human oversight to ensure the responses provided are appropriate and adequate. One negative experience can quickly spread online and affect public perception of a brand (Hudson et al., 2015).

Finally, the rapid development of technology is generating unprecedented opportunities for marketing innovation, such as the use of Augmented Reality (AR), Virtual Reality (VR), and Artificial Intelligence (AI). However, the adoption of these advanced technologies requires significant investment as well as the ability to understand and integrate these technologies into existing marketing strategies. Businesses need to continuously adapt and learn to stay competitive in the ever-changing digital ecosystem (Schivinski & Dabrowski, 2015).

Overall, while digital media brings tremendous opportunities for marketing, successfully utilising it requires a strategy that is responsive, innovative and sustainable in the face of challenges.

Conclusion

Digital media has brought about a significant transformation in the marketing landscape across various industries. Companies now have new tools and platforms to reach and interact with their target audiences more effectively and efficiently. The use of social media, content marketing, and data analytics allows companies to better understand consumer behaviour and tailor their marketing strategies to their evolving needs and preferences. This creates a greater ability to personalise, increase engagement, and ultimately drive sales.

The comparative study shows that while the impact of marketing digitalisation is being felt across all industries, the rate of adoption and the strategies employed vary. Industries such as retail and entertainment are faster in integrating digital solutions into their operations due to the growing consumer demand for personalised and accessible online shopping and entertainment experiences. On the other hand, sectors such as agriculture and manufacturing may take longer to adapt due to higher complexity and cultural shifts that are more conservative in implementing new technologies.

Overall, the role of digital media in marketing transformation is undeniable and growing. Companies that successfully leverage digitalisation tools and techniques will remain competitive and relevant in a market that is increasingly shaped by technological innovation. To achieve this, it is important for companies across all sectors to continuously develop their digital expertise, invest in the right technology infrastructure, and engage in best practices centred on maximising the customer experience.

References

Afiyanti, Y. (2008). Focus Group Discussion as a Qualitative Research Data Collection Method. *Indonesian Nursing Journal,12* (1), 58-62. https://doi.org/10.7454/jki.v12i1.201

Ashley, C., & Tuten, T. (2015). Creative Strategies in Social Media Marketing: An Exploratory Study of Branded Social Content and Consumer Engagement. *Psychology & Marketing,32* (1), 15-27. https://doi.org/10.1002/mar.20761

Barreda, A. A., Bilgihan, A., Nusair, K., & Okumus, F. (2015). Generating brand awareness in online social networks. *Computers in Human Behaviour,50* (September), 600-609. https://doi.org/10.1016/j.chb.2015.03.023

Bolton, R. N., Gustafsson, A., McColl-Kennedy, J. R., Sirianni, N. J., & Tse, D. K. (2014). Small details that make big differences: A radical approach to consumption experience as a firm's differentiating strategy. *Journal of Service Management,25* (2), 253-274. https://doi.org/10.1108/JOSM-01-2014-0034

Brodie, R. J., Hollebeek, L. D., Jurić, B., & Ilić, A. (2011). Customer engagement: Conceptual domain, fundamental propositions, and implications for research. *Journal of Service Research,14* (3), 252-271. https://doi.org/10.1177/1094670511411703

Chaffey, D., & Ellis-Chadwick, F. (2020). *Digital Marketing: Strategy, Implementation, and Practice* (7th, Ed.). Pearson.

Edelman, D. C. (2010). Branding in the digital age: You're spending your money in all the wrong places. *Harvard Business Review, 88*(12), 62–69.

Felix, R., Rauschnabel, P. A., & Hinsch, C. (2017). Elements of strategic social media marketing: A holistic framework. *Journal of Business Research,70* (January), 118-126. https://doi.org/10.1016/j.jbusres.2016.05.001

Gensler, S., Völckner, F., Liu-Thompkins, Y., & Wiertz, C. (2013). Managing brands in the social media environment. *Journal of Interactive Marketing,27* (4), 242-256. https://doi.org/10.1016/j.intmar.2013.09.004

Hidayat, D. N. (2009). QUALITATIVE - QUANTITATIVE DICHOTOMY AND PARADIGMATIC VARIANTS IN QUALITATIVE RESEARCH. *Scriptura,2* (2). https://doi.org/10.9744/scriptura.2.2.81-94

Hudson, S., Roth, M. S., Madden, T. J., & Hudson, R. (2015). The effects of social media on emotions, brand relationship quality, and word of mouth: An empirical study of music festival attendees. *Tourism Management,47* (April), 68-76. https://doi.org/10.1016/j.tourman.2014.09.001

Kannan, P. K., & Li, H. (2017). Digital marketing: A framework, review, and research agenda. *International Journal of Research in Marketing, 34*(1), 22–45.

Killian, G., & McManus, K. (2015). A marketing communications approach for the digital era: Managerial guidelines for social media integration. *Business Horizons,58* (5), 539-549. https://doi.org/10.1016/j.bushor.2015.05.006

Kim, A. J., & Ko, E. (2012). Do social media marketing activities enhance customer equity? An empirical study of luxury fashion brands. *Journal of Business Research*, 65(10), 1480–1486.

Kotler, P., Kartajaya, H., & Setiawan, I. (2017). *Marketing 4.0: Moving from Traditional to Digital.* Wiley.

Kumar, S., & Das, K. (2021). Role of Government Policies in Digitalisation of Education in India. *Journal of Digital Learning and Education.* https://doi.org/10.1215/jdle.2021.20001

Leeflang, P. S., Verhoef, P. C., Dahlström, P., & Freundt, T. (2014). Challenges and solutions for marketing in a digital era. *European Management Journal, 32*(1), 1–12.

Malthouse, E. C., Haenlein, M., Skiera, B., Wege, E., & Zhang, M. (2013). Managing customer relationships in the social media era: Introducing the social CRM house. *Journal of Interactive Marketing,27* (4), 270-280. https://doi.org/10.1016/j.intmar.2013.09.008

Merz, M. A., Zarantonello, L., & Grappi, S. (2018). How valuable are your customers in the brand value co-creation process? *Journal of Business Research,82* (January), 79-89. https://doi.org/10.1016/j.jbusres.2017.08.018

Mir, I., & Rehman, U. (2010). Factors affecting consumer attitudes and intentions toward user-generated product content on YouTube. *Management & Marketing,5* (2), 123-137. https://doi.org/10.12973/ejvm.5.2.123

Schivinski, B., & Dabrowski, D. (2015). The impact of brand communication on brand equity through Facebook. *Journal of Research in Interactive Marketing,9* (1), 31-53. https://doi.org/10.1108/JRIM-02-2014-0007

Schultz, R., Peltier, J., & Schibrowsky, J. A. (2015). Social media's slippery slope: Challenges, opportunities and future research directions. *Journal of Research in Interactive Marketing,8* (2), 86-97. https://doi.org/10.1108/JRIM-12-2014-0073

Seo, E. S., & Park, J.-W. (2018). Examining the moderating effect of customer delight in the relationships between brand experience and brand loyalty. *Journal of Product & Brand Management,27* (2), 148-160. https://doi.org/10.1108/JPBM-01-2016-1077

Syahran, M. (2020). Building Data Trust in Qualitative Research. *PRIMARY EDUCATION JOURNAL (PEJ),4* (2), 19-23. https://doi.org/10.30631/pej.v4i2.72

Tafesse, W., & Wien, A. (2018). A framework for categorising social media posts. *Cogent Business & Management,5* (1), 1-21. https://doi.org/10.1080/23311975.2018.1527742

Tiago, M. T. P. B., & Veríssimo, J. M. C. (2014). Digital marketing and social media: Why bother? *Business Horizons, 57*(6), 703–708.

Valos, M. J., Habibi, F., Casidy, R., Driesener, C., & Maplestone, V. L. (2016). Exploring the integration of social media within the strategic marketing process. *Australasian Marketing Journal,24* (1), 52-69. https://doi.org/10.1016/j.ausmj.2016.01.001

Wang, Y. W., & Chien, H.-T. L. (2012). Internet marketing and consumers' purchase intentions. *International Journal of Business and Social Science,3* (22), 60-68. https://doi.org/10.2139/ssrn.3440500