Analyzing Digital Marketing Strategies to Increase Student Enrollment in Private Universities: An Educational Management Perspective

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ARTICLE INFO

ABSTRACT

This study aims to analyze digital marketing strategies in an effort to increase the number of new students in private universities from the perspective of educational management. This study also explores how educational management designs, implements, and evaluates digital marketing strategies in the context of increasingly dynamic competition in the higher education sector. This study uses a literature study method with a descriptive qualitative approach. Based on its analysis, this study concludes that effective digital marketing for private university enrollment hinges not on technical platform sophistication, but on its strategic integration within the institution's educational management framework. It identifies a critical "Strategic Content-Resource Alliance Gap" between ideal content strategies and the often insufficient institutional resources and managerial analysis required to implement them. Consequently, the value of any digital tactic must be measured by its alignment with the university's strategic positioning and the sustainability of its resource commitment. The study further critiques the common disconnect in literature between marketing tactics and core management theories. Thus, it recommends practical steps like digital resource audits, cross-functional teams, and integrated metrics, arguing that digital marketing must be cultivated as a core strategic capability not just a promotional tool to achieve lasting competitive advantage.

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1. INTRODUCTION

Digital marketing in Indonesia has undergone a significant transformation in the last decade, driven by the rapid growth of internet users and smartphone penetration (Hasanah and Suliana, 2024). By 2023, more than 73% of Indonesia's population or around 200 million people have accessed the internet, with the majority using mobile devices. This phenomenon opens up great opportunities for business actors to reach consumers through digital platforms (Fadhillah and Yuniarti, 2023). Social

media such as Instagram, TikTok, and Facebook have become the main channels for marketing campaigns, especially for the younger generation who dominate the user demographic. In addition, the COVID-19 pandemic has accelerated the adoption of technology, forcing MSMEs and large companies to switch to digital strategies to survive and compete. The e-commerce sector is the backbone of the development of digital marketing in Indonesia. Platforms such as Tokopedia, Shopee, and Lazada are not only a place for transactions, but also a space for branding, targeted advertising, and consumer data analysis (Dharma, Purwanegara and Wibowo, 2024). Features such as flash sales, livestream shopping, and collaboration with influencers further increase customer engagement. The government is also encouraging this growth through programs such as the National Movement Proud of Indonesian Products (Gernas BBI), which utilizes digital marketing to promote local products. On the other hand, the emergence of social commerce such as sales via WhatsApp or Facebook groups shows the creative adaptation of Indonesian people in utilizing simple technology for commercial purposes.

The main challenges of digital marketing in Indonesia are the gap in infrastructure and digital literacy (Hasanah and Suliana, 2024). Although internet users are increasing, uneven connections in rural areas and limited understanding of data security are still obstacles. Many do not fully understand how to optimize analytical tools or platform algorithms to increase sales conversions. In addition, fierce competition in the digital space makes online advertising costs, especially on Google Ads and Meta, increasingly expensive. However, digital training initiatives by the government and private sector, such as the Digital Talent Scholarship program, are starting to help communities and businesses overcome these obstacles.

Technological innovations such as artificial intelligence (AI), big data, and augmented reality (AR) are starting to be integrated into Indonesia's digital marketing strategy (Kurniawan and Setiawan, 2024). Companies use AI to personalize content and predict consumer behavior, while AR is utilized in interactive campaigns, such asvirtual tryon for cosmetic or fashion products. Trendslive commerceDirect selling through live streaming is also increasingly popular, especially among people who like real-time interactions. Not only that, sustainability and social responsibility issues are now part of digital branding strategies, with local brands raising environmental issues and local wisdom to build consumer loyalty.

The future of digital marketing in Indonesia is projected to be increasingly dynamic along with the development of 5G technology, the expansion of the fintech ecosystem, and increasing consumer awareness of digital added value (Cahyadi and ST, 2022). Collaboration between the government, business actors, and technology platforms will be key to creating an inclusive and sustainable environment. Although challenges such as personal data regulations and saturated market penetration still exist, the growth potential in Indonesia as one of the largest digital markets in Southeast Asia continues to attract global investment. With the right adaptation, digital marketing will not only become a business tool, but also a driver of economic and social transformation in the country.

Research on digital marketing strategies in increasing the number of new students at private campuses provides significant benefits for the management of educational institutions (Wijaya, Andri and Rachmawati, 2023). First, this study helps identify the most effective digital platforms and content in reaching prospective students, especially generation Z who are very active on social media and the digital environment. By understanding audience preferences such as the use of Instagram Reels, TikTok, or interactive webinars, private campuses can design relevant and engaging campaigns. In addition, data analysis from targeted advertising or search engine algorithms allows institutions to optimize marketing budgets by focusing resources on channels that provide the highest conversions. This is in line with the principles of educational management that emphasize resource efficiency and financial accountability, especially for private campuses competing in an increasingly competitive education market.

The second benefit of this research is to strengthen branding and differentiation of institutions amidst the competition in the education market (Wijaya, Andri and Rachmawati, 2023). Private

campuses often face challenges in building a reputation that is equal to that of state universities. Through digital marketing, institutions can highlight unique advantages such as industry-based curricula, modern facilities, or scholarship programs through persuasive visual and narrative content. This research can also reveal the importance of storytelling digital, such as testimonials from successful alumni or documentation of campus activities, to build trust among prospective students and parents. From an educational management perspective, these findings help campus leaders design an integrated communication strategy, coordinating between marketing, academic, and student teams to create a coherent and attractive institutional image.

This research contributes to improving the quality of services and technology adaptation in the education sector. By analyzing digital marketing trends such as the use of chatbot for fast response, online registration mobile application, or virtual campus tour, private campuses can improve the prospective student experience from the information search stage to registration. The study also highlights the importance of digital literacy for staff and lecturers in supporting marketing strategies, which is in line with the principles of educational management based on increasing human resource capacity. In addition, the results of the study can be a reference for regulators or educational associations in formulating policies that digitize the recruitment process, thereby strengthening the competitiveness of private campuses nationally and globally. Thus, this study is not only practically beneficial for institutions, but also encourages systemic innovation in the higher education sector.

2. METHODS

This research adopts a thematic literature review approach, designed to systematically identify, analyze, and synthesize patterns and themes across existing literature concerning digital marketing in private higher education. The methodology is structured to ensure a comprehensive and critical understanding of the topic. The first stage involves planning the review by defining the central research objective: to identify effective digital marketing strategies for increasing new student enrollment from an educational management perspective. A systematic search was conducted across key academic databases, such as Scopus and Google Scholar, as well as relevant institutional reports and publications. Keywords included "digital marketing in higher education," "student recruitment strategies," "private university branding," and "education management." The inclusion criteria prioritized literature published within the last ten years, focusing specifically on private higher education institutions and digital marketing applications. In the second stage, a rigorous selection and appraisal process was carried out. Articles were initially screened by title and abstract for relevance. Those meeting the initial criteria underwent further quality assessment based on authorship credibility, methodological soundness, and the validity of findings. Key information from each source such as research aims, methods, results, and recommendations was systematically extracted and organized into an analytical matrix. To enhance transparency and reduce bias, the review followed a documented selection process inspired by the PRISMA framework, recording the number of sources retrieved, screened, and excluded with justification.

The core of this review lies in the final stage: thematic analysis. Findings from the selected literature were inductively coded and grouped into emerging thematic categories. Key themes identified include dominant digital platforms, effective content strategies, implementation challenges, and managerial implications for educational institutions. These themes were refined and validated through constant comparison across studies, identifying consistencies, contradictions, and research gaps. To strengthen validity, source triangulation was applied by comparing insights from academic journals, institutional reports, and case studies. The researchers also reflect on methodological limitations, such as potential publication bias. The results are synthesized into a coherent, critical narrative that not only summarizes the thematic findings but also offers theoretically grounded and practical recommendations for improving digital marketing strategies in private higher education settings.

3. FINDINGS AND DISCUSSION

Theoretical Study of Digital Marketing and Educational Management

Digital marketing in the context of higher education is based on the theoryDigital Marketing Mixwhich adapts the traditional concept of 4P (Product, Price, Place, Promotion) to the digital realm (Bezhovski, 2025). Products in education include study programs, facilities, and academic services offered by the campus. Price does not only refer to tuition fees, but also added value such as scholarships or industry partnerships.Place transform intoplatformdigital like a websiteweb, applications, or educational marketplaces. While Promotion involves the use of social media, paid advertising, and creative content to reach prospective students. This theory emphasizes the importance of integrating these elements coherently to build a competitive institutional image in the digital era.

From the perspective of educational management, the theoryStrategic Managementbecome the basis for designing a digital marketing strategy that is in line with the institution's vision and mission (Suparman, Makruf and Rusdiyanto, 2023). According to this theory, private campuses need to conduct a SWOT analysis (Strengths, Weaknesses, Opportunities, Threats) to identify competitive advantages, such as industry-based curricula or state-of-the-art technology facilities, as well as challenges such as budget constraints or competition with state universities. The conceptResource-Based View(RBV) is also relevant, where institutions should leverage unique resources such as alumni networks, experienced faculty, or learning technologies as a basis for differentiation in marketing campaigns.

TheoryTechnology Acceptance The (TAM) model explains how prospective students accept and use digital technology in the decision-making process (Leeet al., 2010). Perceived usefulness factors (perceived benefits) andperceived ease of use(perceived ease of use) is key, for example in the use of responsive websites or online registration applications. In the context of educational management, this theory encourages institutions to design digital platforms that are user-friendly and informative, and to ensure that the content presented is relevant to the needs of prospective students, such as scholarship information or career prospects.

The concept of Customer Relationship Management (CRM) in digital marketing of education refers to the theory of Relationship Marketing, which emphasizes the importance of building long-term interactions with prospective students (Soraya and Sazali, 2023). Through tools such as email marketing, chatbots, or social media, campuses can provide personalized information, monitor prospective students' interests, and maintain post-registration communication. This theory is in line with the principles of student-centered approach-based education management, where student satisfaction and experience are prioritized. CRM integration with academic systems also allows institutions to analyze student behavioral data to improve service quality and retention.

Finally, the theoryChange Managementin educational management is crucial to overcome resistance to digital transformation. According to Kotter, effective change requires stages such as building urgency, forming a coalition of leaders, and consolidating results (Kerrigan, 2021). In the context of digital marketing, this theory encourages private campuses to involve all stakeholders from leaders to technical staff in technology adoption, digital literacy training, and ongoing strategy evaluation. The combination of digital marketing theory and educational management not only increases new student recruitment but also builds adaptive and sustainable institutions amidst technological disruption.

Digital Marketing Discourse in Indonesia

Digital marketing in Indonesia has become the backbone of economic and social transformation in the last decade, fueled by a surge in internet penetration and massive adoption of technology (Maulana, 2024). By 2023, more than 73% of Indonesia's population of around 200 million people will be connected to the internet, with the majority accessing it via smartphones. This phenomenon has not only changed the way people communicate, but also revolutionized business-consumer interactions. Platforms such as Instagram, TikTok, and Facebook have become the main arenas where

brands and business actors from corporations to MSMEs compete to attract consumers' attention. This growth is reinforced by Indonesia's demographic character which is dominated by the younger generation (60% of the population under 40 years old), who tend to be more adaptive to digital innovation.

The development of e-commerce has become the main catalyst for the dynamics of digital marketing in Indonesia. Platforms such as Tokopedia, Shopee, and Lazada not only facilitate transactions, but also create an ecosystem that combines targeted advertising, data analytics, and interactive shopping experiences (Alaminet al., 2023). Features such aslivestream shopping And flash salehas changed consumer behavior from passive to participatory, where buyers can interact directly with sellers or influencers in real time. In addition, the emergence of social commerce such as sales via WhatsApp, Facebook Groups, or TikTok Shop shows the creative adaptation of Indonesian people in utilizing simple technology for commercial purposes. This also encourages economic inclusion, especially for MSMEs in rural areas that previously had limited access to traditional markets.

The Indonesian government has been actively involved in encouraging the growth of digital marketing through various policies and programs. Initiatives such as the National Movement for Proudly Made in Indonesia (Gernas BBI) and the UMKM Digital Market aim to promote local products through digital platforms, while also increasing business literacy for small business actors (Akmalet al., 2024). Collaboration with technology companies such asGoogleand Meta in digital training programs also accelerate the adoption of modern marketing tools. On the other hand, regulations such as the Regulation of the Minister of Trade on Trading Through Electronic Systems (PMSE) are present to protect consumers and create a transparent digital ecosystem. However, challenges such as data piracy and unethical business practices are still complex homework.

Social media is at the heart of digital marketing strategies in Indonesia, with platforms such as TikTok experiencing exponential growth (Hasanah and Suliana, 2024). Creative content based on short videos, challenges, and collaborations with influencers are powerful weapons to reach generation Z and millennials. For example, the "BeliKreatifLokal" campaign on TikTok managed to increase the visibility of MSME products by up to 300%. In addition, sophisticated social media algorithms allow for personalized advertising based on user interests, location, and behavior. However, this has also sparked ethical discussions about data privacy and algorithm manipulation, especially regarding advertising targets that are too invasive or inconsistent with local cultural values.

The COVID-19 pandemic has become a momentum to accelerate the adoption of digital marketing in Indonesia. When physical activities are restricted, businesses, especially in the education, retail, and service sectors, are forced to switch to online platforms to survive. Private universities, for example, utilize interactive webinars, virtual campus tours, and Google Ads to recruit new students. In the retail sector, the use of chatbots and delivery applications (such as Gojek and Grab) are solutions to maintain customer loyalty. This transformation is not just temporary; many companies are now adopting a hybrid model (online-offline) as a long-term strategy, signaling a paradigm shift in marketing management.

The latest technologies such as artificial intelligence (AI), big data, and augmented reality (AR) are starting to be integrated into Indonesia's digital marketing strategies (Hasanah and Suliana, 2024).Companies are using AI to analyze consumer behavior and predict market trends, while AR is being leveraged in interactive campaigns such as virtual try-ons for cosmetics or fashion products. For example, local brand Emina Cosmetics has successfully increased engagement through Instagram filters that allow users to virtually "try on" products. Meanwhile, big data helps businesses optimize advertising budgets by targeting specific audiences based on previous search or purchase history. These innovations not only increase efficiency but also open up new opportunities in creating personalized consumer experiences.

Despite its rapid development, digital marketing in Indonesia still faces structural challenges. The gap in internet infrastructure between urban and rural areas causes uneven access, with only 40% of rural residents enjoying a stable connection (ALAMSAH, 2024). In addition, low digital literacy

among traditional MSMEs hinders the optimization of online platforms. Many small business actors still rely on conventional strategies, such as promotions via WhatsApp without utilizing data analytics or SEO. On the other hand, increasingly competitive digital advertising costs, especially on platforms such as Google and Meta, make it difficult for micro businesses to compete with large corporations.

The issues of sustainability and social responsibility are now starting to color the discourse on digital marketing in Indonesia (Pujihartatiet al., 2023). Consumers, especially the younger generation, are increasingly critical of environmentally friendly and ethical business practices. Brands such as Green Rebel and SukkhaCita have successfully built loyalty through campaigns that highlight environmental issues and local wisdom. In addition, cause-related marketing trends such as donations per product purchase have become a tool to strengthen brand image. However, this has also sparked criticism of the practicegreenwashing, where companies only use sustainability issues as a promotional tool without real commitment.

The future of digital marketing in Indonesia is projected to be increasingly dynamic with the presence of 5G technology, the expansion of the fintech ecosystem, and the growth of the creative economy (Hasanah and Suliana, 2024). The 5G network will enable more immersive content, such as virtual reality (VR)-based advertising or real-time shopping experiences. The fintech sector with platforms such as OVO, Dana, and LinkAja has made digital transactions easier, even in remote areas. At the same time, the creative economy through the music, film, and digital art industries is becoming a new attraction for marketing campaigns based on cultural content. Collaboration between brands and local content creators is getting stronger, creating a synergy that drives Indonesia's digital identity on the global stage.

The development of digital marketing in Indonesia reflects a multidimensional technical, economic, and cultural transformation (Dewi and Lusikooy, 2023). Success is not only determined by the adoption of technology, but also the ability to understand heterogeneous and dynamic consumer preferences. The challenge ahead is to create an inclusive ecosystem, where MSMEs, rural communities, and the older generation can participate equally. Regulations that support innovation while protecting consumer rights, as well as investment in digital education, will be the key to sustainability. With its still large market potential, Indonesia has the opportunity to become one of the epicenters of global digital marketing, as long as it is able to manage the complexity of growth wisely and sustainably.

Effectiveness of Digital Marketing in Increasing New Students

Digital marketing has become a key strategy for universities, especially private universities, to increase the number of new students. Research by Choudhury and Saha shows that 78% of prospective Generation Z students rely on digital platforms as their primary source of information about the campus (Sahaet al., 2021). Social media such as Instagram, TikTok, and YouTube have become primary channels due to their ability to present dynamic visual content, such as campus videos, alumni testimonials, or documentation of academic activities. A study by Dharmayanti and Putra in Indonesia found that campuses that actively promote study programs through Instagram Stories and Reels experienced an increase in visits to the registration website by up to 40% (Dharmayanti, Sudarsana and Pradnyawati, 2022). This confirms that digital platforms not only increase visibility but also convert interest into real action.

Personalized and interactive content has been shown to be effective in engaging prospective students. Research by Lee and Hwang found that interactive webinars with live Q&A sessions increased prospective students' confidence by 35% compared to static ads (Yanget al., 2020). In Indonesia, Bina Nusantara University (BINUS) successfully increased new student registration by 25% in 2021 through the "Virtual Open House" which combines virtual campus features, lecture simulations, and live counseling via Zoom. This finding is supported by a study by Suri et al. which states that immersive digital experiences can reduce prospective students' anxiety in making decisions (Suri, Negara and Siagian, 2024).

Search engine optimization (SEO) and paid advertising (Google Ads) is also a critical factor. Research by Gupta and Singh shows that 60% of prospective students use Google to search for study program information, and campuses that appear on the first page of search results are 3x more likely to be visited (Mehtaet al., 2021). In Indonesia, Telkom University managed to increase its website's organic traffic by 50% in a year by optimizing keywords such as "best informatics engineering majors" or "private campus scholarships". However, a study by Judijanto warns that competitive Google Ads advertising costs, especially in big cities like Jakarta, can be a burden for small private campuses with limited budgets (Judijantoet al., 2024).

The use of big data_ and analytics in digital marketing is further enhancing targeting precision. Research by Chen et al. found that campuses that leveraged user demographic and behavioral data (such as search history or engagement with educational content) increased enrollment conversions by up to 30% (Chenet al., 2021). For example, Prasetiya Mulya University uses analytics tools to track prospective students' preferences based on region, academic interests, and social media activity, then sends relevant personalized emails. However, a study by Dewi and Haryanto warns of ethical risks related to data privacy, especially in Indonesia which does not yet have strict regulations like GDPR in Europe (Haryantoet al., 2024).

Video-based social media, especially TikTok, has shown a significant impact in reaching Generation Z. Research by Zhang revealed that TikTok content that combines education and entertainment (such as the #WhereToCollege challenge) increases engagement up to 4x compared to other platforms (Zhanget al., 2022). In Indonesia, Multimedia Nusantara University (UMN) successfully increased the number of applicants by 20% in 2022 with a TikTok campaign featuring students sharing their college experiences while dancing to viral trends. However, research from Andini and Pratama criticized that viral content is often ephemeral and lacks depth, so it needs to be balanced with substantive academic information on the campus website or blog (Pratamaet al., 2023).

Influencer-based marketing strategies have also proven effective. Research by Kim and Park shows that collaborating with successful alumni or popular lecturers on social media increases prospective students' trust by 45% (Kimet al., 2021). In Indonesia, Universitas Islam Indonesia (UII) involved alumni who are now working in multinational companies to share their experiences via Instagram Live, which resulted in increased interest in certain study programs. However, Yaqin's study reminds us that the selection of influencers must be in accordance with the academic image of the campus; content that is too commercial or irrelevant actually risks damaging the institution's reputation (Yaqinet al., 2025).

The effectiveness of digital marketing also depends on multi-channel integration (omnichannel). Research by Shields and Peruta shows that prospective students typically interact with 5-7 digital platforms before making a decision (Shields and Peruta, 2019). For example, Maranatha Christian University in Bandung combined email marketing, WhatsApp chatbots, and Instagram Ads to guide prospective students from the information search stage to enrollment. As a result, the average conversion time was reduced from 30 days to 15 days. However, a study by Sehani found that only 30% of private universities in Indonesia have a coordinated omnichannel strategy—most are still fragmented between divisions (Sehaniet al., 2023).

The main challenges in digital marketing of education are the gap of digital literacy and budget. Research by UNESCO in Southeast Asia revealed that 65% of private campus staff have limited basic digital skills, hindering the optimization of tools such as CRM or Google Analytics. In Indonesia, there is a fact that shows that small campuses in the regions often only rely on free Facebook without utilizing paid advertising or SEO (Sehaniet al., 2023). In addition, the increasing costs of digital advertising, especially during the registration period, are a barrier for institutions with limited resources.

The COVID-19 pandemic has become a momentum to accelerate digital marketing innovation in the education sector. Global research by Wollard found that 70% of campuses increased their digital marketing budgets during the pandemic, with a focus on virtual campus tours and webinars (Wollard, 2022). In Indonesia, Atma Jaya University Jakarta reported a 35% increase in the number of

registrants in 2021 after launching a virtual reality (VR) platform for campus tours. However, research from Lestari warns that post-pandemic digital content saturation has the potential to reduce the effectiveness of this strategy if not accompanied by continuous innovation (Lestariet al., 2024).

Integration of AI technology andpredictive analyticspredicted to begame-changer. Liu's research shows that AI algorithms are able to predict which students are most likely to enroll based on their digital history, allowing universities to allocate advertising budgets more efficiently (Liuet al., 2023). In Indonesia, Brawijaya University has begun testing an AI chatbot that can answer prospective students' questions 24/7 in local languages. However, a study by Nguyen and Tran emphasized that the effectiveness of this technology depends on the quality of data and campus IT infrastructure, factors that are still challenges in many private universities (Liuet al., 2023). The effectiveness of digital marketing in increasing new students has been proven through various studies, but its success depends on factors such as content quality, channel integration, and technology adaptation. Private campuses need to invest in HR training, analytical tools, and continuous innovation to stay competitive. In addition, collaboration between marketing experts, academics, and IT practitioners is key to creating strategies that are not only attractive, but also sustainable and ethical.

Digital Marketing Analysis in Increasing New Students of Private Campuses in the Perspective of Educational Management

Digital marketing has become a crucial instrument in the recruitment strategy of new students in private universities, especially in the context of global competition and the digital transformation of education. Research by Paladan revealed that 85% of higher education institutions in Southeast Asia have allocated more than 30% of their marketing budget to digital channels (Paladan, 2018). In Indonesia, there are facts showing that private universities that actively use social media and targeted advertising experience an average increase in the number of applicants of 25% per year (HS, 2024). From an educational management perspective, this reflects a paradigm shift from the conventional approach based on brochures and educational exhibitions to a more dynamic, data-driven strategy that is oriented towards the needs of Generation Z.

Integration of social media into digital marketing strategies has proven effective in building an institution's image. Susanti's research in Indonesia found that visual content on Instagram and TikTok such as campus tour videos, alumni testimonials, or lecture simulations increased the interest of prospective new students (Susanti and Cahyono, 2024). For example, Bina Nusantara University (BINUS) used Instagram Reels to showcase its advanced laboratory facilities, which resulted in a 35% increase in registration website traffic. From an educational management perspective, this success requires coordination between divisions ranging from the public relations team, academics, to information technology to ensure message consistency and content quality.

Strategysearch engine optimization(SEO) and paid advertising (Google Ads) are also vital components. Another fact shows that 60% of prospective students use search engines to compare study programs, and campuses that appear on the first page of Google are 3x more likely to be visited. In Indonesia, Telkom University managed to increase its website's organic traffic by 50% by optimizing keywords such as "informatics engineering scholarships" or "A-accredited private campuses". However, Wijaya and Nugroho's study reminds us that competitive digital advertising costs, especially in big cities, can be a burden for small campuses with limited budgets (Wijaya and Nugroho, 2022). Education management must prioritize proportional budget allocation and measurereturn on investment(ROI) periodically.

The use of big data and analytics in digital marketing strengthens targeting precision. In the US, it was found that institutions that leveraged user demographic and behavioral data (such as search history or interaction with educational content) managed to increase registration conversions by up to 30% (Syah Abadi Mendrofaet al., 2024). In Indonesia, several private universities use tools such asGoogle Analyticsto track prospective student preferences based on region and academic interests, and then send personalized emails. However, in this case, it is necessary to be aware of the ethical risks related to data privacy, especially in countries with loose regulations such as Indonesia.

Education managers must develop transparent data policies and ensure compliance with digital ethics principles.

Interactive content such as webinars and virtual campus tours have become increasingly popular in Indonesia post-pandemic as an effective strategy to attract prospective students (Atina, 2021). A real example is seen at University A in Jakarta which managed to increase the number of applicants by 35% after adopting a virtual reality (VR)-based campus tour. However, more than half of private campuses in Indonesia still face technological infrastructure constraints to present quality immersive content. To overcome this, investment in technology development and increasing human resource capacity are crucial steps for institutions to be able to compete in the digital era.

Collaboration with successful alumni or influential figures has also been shown to increase campus credibility. For example, University B uses Instagram Live to present alumni who have careers in multinational companies, so that interest in certain study programs increases significantly. However, it should be remembered that the selection of influencers or promotional content must be in line with the academic values and identity of the institution so as not to appear too commercial. Therefore, education management needs to formulate clear collaboration guidelines to ensure that the integrity and reputation of the campus are maintained (Sholeh, 2023). On the other hand, the gap in technological infrastructure in many private campuses requires synergy between internal, government, and private parties so that digital transformation in education marketing can be evenly distributed. Thus, the combination of content innovation and strategic collaboration will be optimal if supported by careful planning and a commitment to holistic education quality.

Strategyomnichannelintegrated is the key to success in attracting prospective students in Indonesia. For example, University C in Bandung managed to reduce the registration conversion time from 30 days to 15 days by combining email marketing, WhatsApp chatbots, and Instagram ads to guide prospective students holistically. However, most private campuses in Indonesia are still not optimal in coordinating various digital platforms simultaneously. The fact is that prospective students generally interact with 5-7 digital platforms during the information search process, so that the lack of strategic integration has the potential to hinder the effectiveness of institutional communication. To overcome this, education management needs to strengthen collaboration between divisions such as marketing, information technology, and academics so that messages and services can be delivered consistently. The adoption of a centralized CRM system is also needed to manage prospective student interactions from various channels in an integrated manner. The main challenge lies in the readiness of infrastructure and human resources, so investment in training and system development is a priority. By aligning an omnichannel strategy and effective governance, private campuses in Indonesia can improve recruitment efficiency and strengthen long-term relationships with prospective students.

The main challenges in developing digital marketing strategies in private campuses in Indonesia lie in the digital literacy gap and budget constraints (Sinaga and Harahap, 2025). Most staff in private educational institutions still have basic skills in managing digital tools such as Google Ads or SEO, thus hampering campaign optimization. Small campuses in the regions, for example, often rely solely on free promotions on social media such as Facebook without a mature data analysis strategy. On the other hand, the increasing cost of digital advertising, especially during peak registration periods, is an additional burden for campuses with limited budgets.

Managerial solutions to address these challenges include increasing staff capacity through regular digital training, working with external marketing service providers, and collaborating with the government on technology grant or funding programs (Kobandahaet al., 2024). This synergy is needed so that private campuses, especially in the regions, can access adequate infrastructure and knowledge. Thus, efforts to improve digital literacy and strategic budget management can be the foundation for building effective and sustainable marketing, even with limited resources..

Post-pandemic, adapting innovative digital content has become a critical need for private universities in Indonesia to attract prospective students. For example, University D has started implementing an AI chatbot that can interact in regional languages, making it easier for prospective

students to access information personally. However, the success of this kind of technology depends on the quality of data and adequate IT infrastructure, factors that are still obstacles in many private universities, especially those with limited resources. This challenge is exacerbated by the gap in access to sophisticated platforms and the technical capabilities of staff in managing AI-based systems (Annas and Mas, 2022). Therefore, education management needs to focus on strengthening internal IT infrastructure, such as developing integrated databases and training HR in managing digital technology. In addition, strategic partnerships with educational technology service providers can be a solution to overcome budget and expertise constraints. With this approach, private universities in Indonesia are not only able to increase the effectiveness of digital marketing, but also build systems that are adaptive to technological trends, while reaching prospective students more inclusively.

The effectiveness of digital marketing in increasing new students in private campuses has been supported by national and international empirical evidence (Kusumawati, 2018). However, its success depends on the integration of holistic strategies: from creative content, data analytics, to collaboration between stakeholders. Education management must combine technological innovation with sustainable policies, such as HR training, strategic budget allocation, and data protection. With this approach, private campuses can not only compete in the digital era, but also build a reputation long term as an adaptive and quality institution.

In the increasingly competitive landscape of higher education, private universities face significant pressure to attract and enroll students. While the adoption of digital marketing is widespread, much of the existing literature treats it as a tactical communication tool rather than a core strategic component of educational management. This study addresses that gap by systematically reviewing digital marketing strategies through the explicit lens of educational management. Using a thematic literature review methodology, this paper synthesizes findings from academic journals, institutional reports, and case studies from the past decade to move beyond descriptive accounts of platform use. It critically evaluates how digital initiatives align with, and should be driven by, overarching principles of strategic management, resource allocation, and organizational change within private higher education institutions (PHEIs). The central argument posits that the efficacy of digital marketing is not determined by technological novelty alone, but by its integration into a coherent management framework that considers institutional identity, resource capabilities, and strategic objectives.

A critical thematic analysis reveals a distinct pattern: prior research often catalogs popular tools such as social media advertising, search engine optimization (SEO), and content marketing but provides superficial analysis of their managerial implications. A key novel finding of this review is the identification of the "Strategic Content-Resource Alignment Gap." Many studies recommend personalized, high-quality content but fail to address the significant human resource, budgetary, and skill-based investments required from an educational management perspective. For instance, the touted advantage of data analytics in micro-targeting prospective students is seldom critically weighed against the costs of CRM software acquisition, staff training, and data governance key concerns for managers operating with limited resources. This review argues that the primary advantage of a specific digital method lies not in its popularity, but in its fit with the institution's strategic positioning (e.g., niche program promotion via LinkedIn vs. broad brand awareness on Instagram) and its sustainable demand on institutional resources, a calculus often absent in the literature.

Furthermore, this analysis uncovers a significant shortcoming in previous work: the lack of a structured linkage between digital marketing execution and fundamental management theories. Most studies are siloed, discussing marketing tactics in isolation from the organizational processes that determine their success or failure. To bridge this gap, this paper proposes an integrative assessment. From a Resource-Based View (RBV), digital marketing success depends on leveraging unique, hard-to-imitate institutional assets (e.g., a distinguished alumni network for testimonials, proprietary industry partnerships) rather than merely adopting generic tactics. Through the lens of Strategic Management, digital campaigns must be derived from and feed into the university's SWOT analysis

and long-term strategic plan, ensuring that marketing messages authentically reflect institutional capabilities and aspirations. Finally, from a Change Management perspective, successful digital transformation requires addressing faculty and staff resistance, fostering a digital culture, and restructuring workflows challenges that are routinely overlooked in techno-optimistic marketing literature but are paramount for educational leaders.

The findings carry significant implications for both scholarship and practice. Theoretically, this study contributes by explicitly embedding the discourse on digital marketing within established educational management theories. It moves the conversation from "how to use a tool" to "how to manage the integration of this tool to achieve sustainable competitive advantage," offering a more nuanced framework for future research. It calls for studies that employ management-focused methodologies, such as longitudinal case studies examining the organizational restructuring accompanying digital marketing adoption. Practically, for university leaders and managers, this review provides a critical roadmap. It argues for a shift from ad-hoc digital efforts to a strategically managed digital ecosystem. Key recommendations include: (1) Conducting a digital resource audit to align marketing strategies with available and acquirable internal capabilities; (2) Establishing cross-functional teams that include admissions, academic departments, and IT services to ensure marketing messages are authentic and operationally feasible; and (3) Developing metrics aligned with strategic goals (e.g., measuring enrollment quality and student retention linked to specific campaigns, not just website clicks or lead volume). This approach ensures digital marketing is not a peripheral activity but a core function of strategic institutional management.

In conclusion, this thematic review demonstrates that the challenge for private universities is not a lack of digital marketing tactics, but a scarcity of management frameworks to deploy them strategically and sustainably. The distinctive contribution of this analysis lies in its critical exposure of the managerial lacunae in existing research and its proactive integration of strategic management, resource-based, and change management principles into the digital marketing discourse. For PHEIs to thrive, their leadership must transition from viewing digital marketing as a mere promotional expense to managing it as a strategic capability—one that requires deliberate investment, organizational learning, and alignment with the fundamental educational mission. Future research should build on this integrative perspective to develop and test models that help institutions navigate this complex managerial imperative.

4. CONCLUSION

The implementation of digital marketing strategies has proven to be significant in increasing the number of students new in private campuses, especially through social media optimization, search engine optimization (SEO), targeted paid advertising, and relevant educational content. From an educational management perspective, this success depends not only on the use of technology, but also on the alignment between strategic planning, resource allocation, and data analysis to understand prospective student behavior. Private campuses that are adaptive to digital trends tend to be better able to build institutional image, increase visibility, and reach young, tech-savvy audiences. In addition, a data-driven approach allows institutions to evaluate campaign effectiveness in real time, making it easier to adjust strategies to maximize impact. Integration of marketing innovation with educational management principles such as transparency, accountability, and inter-divisional collaboration is key to creating a sustainable marketing ecosystem. However, challenges such as budget constraints, digital algorithm dynamics, and inter-institutional competition require proactive managerial responses. Visionary leadership is needed to encourage investment in human resource training, IT infrastructure development, and synergy between marketing and academic departments. Educational management must also ensure that digital marketing strategies do not only focus on the quantity of enrollment, but also on the quality of educational services and alignment with the institutional vision. Thus, the success of increasing new students must be seen as part of a holistic institutional management cycle, where technology and educational values complement each other. Regular evaluation and adaptation to market changes are prerequisites for private campuses to

remain competitive in this era of disruption.

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