Online Marketing Strategy Optimization to Increase Sales and E-Commerce Development: An Integrated Approach in the Digital Age

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ABSTRACT
In the face of the challenges of intensifying competition in the rapidly growing world of e-commerce, this research focuses on investigating, identifying, and optimizing online marketing strategies to increase sales and support the growth of the e-commerce industry. This research aims to provide in-depth insights to online business owners by thoroughly understanding consumer behavior, technology trends, and digital market dynamics. This research adopts a mixed qualitative and quantitative approach by analyzing data from multiple sources. Customer surveys, sales data analysis, and case studies on successful e-commerce platforms provide the foundation for exploring consumer needs and preferences. Special emphasis is placed on assessing the sustainability of digital marketing strategies, utilization of social media, and implementation of the latest technologies in the e-commerce ecosystem. The research results are expected to provide comprehensive guidance for online marketing practitioners and e-commerce business owners. The findings not only include an in-depth understanding of consumer desires and market opportunities, but also provide valuable information on the effective use of social media, content strategies, and the latest ways to increase brand awareness, consumer engagement, and sales conversion. The use of technology is also emphasized as a key element in improving the competitiveness of e-commerce companies in the era of increasing digitalization.

Keywords: E-Commerce, Digital, Online

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1. INTRODUCTION
In the ever-evolving digital era, the e-commerce industry has become one of the most dynamic and competitive sectors[1]. Increasing internet penetration and changing consumer behavior have created new challenges and great opportunities for online businesses. In this context, optimizing online marketing strategies becomes crucial to increase sales and support sustainable growth in the e-commerce industry. The development of information and communication technology, especially the internet,
changed the way consumers interact with products and services. Reliance on digital platforms and social media has become increasingly significant, creating a dynamic business environment that requires constant adaptation. In this case, an integrated and optimized online marketing strategy becomes the cornerstone for achieving business goals, such as increased sales, brand development, and sustained growth.

This research aims to investigate, identify and optimize online marketing strategies to make a positive contribution to the increase in sales and development of the e-commerce industry[2]. By analyzing consumer behavior, technology trends, and digital market dynamics, this research proposes an integrated approach that covers various aspects of online marketing, including social media, content strategy, and the application of the latest technology.

In the context of this introduction, the background of the continued growth of e-commerce, the relevance of online marketing strategies in facing market challenges, and the urgency of developing an integrated approach to support business goals in the evolving digital era will be outlined. Thus, this research is expected to provide in-depth insights and practical solutions for e-commerce businesses in optimizing their online marketing to achieve long-term success[3]. Changes in sales trends past and present In the era of globalization and technological advancement, sales trends are undergoing major changes. In the past, when resources were limited and human interaction was more restricted, the concept of selling was very different from today which is characterized by the internet and digitalization. This article explains the differences between ancient and modern sales trends and provides specific examples to illustrate this evolution.

Sales trends in the past are certainly different from sales trends in the present, the development of increasingly sophisticated times is an opportunity for businesses to open online markets using digital platforms, while sales trends in the past include opening traditional markets, selling through agents or intermediaries and opening stores, there are several sales trends in the past as follows;

a. **Traditional Markets**
   Have long served as focal points for buying and selling activities, representing a cornerstone of commerce in communities. In these bustling hubs, merchants convene to showcase their merchandise, creating vibrant marketplaces where buyers flock to procure their daily essentials and sought-after goods.
b. **Sales Through Agents or Middlemen**

Add another layer to the distribution chain, wherein these intermediaries serve as conduits between manufacturers and end consumers. Acting as representatives, these agents facilitate transactions, either selling products to retailers or directly engaging with consumers to fulfill their needs.

c. **Bargaining**

A time-honored tradition in commerce, continues to hold sway, particularly in traditional markets and face-to-face transactions. The art of negotiation permeates these interactions, allowing both buyers and sellers to navigate pricing and terms to reach mutually agreeable agreements.

d. **Advertising in Conventional Media**

Channels remain a prevalent avenue for product promotion and brand visibility. From captivating newspaper ads to compelling radio spots and captivating television commercials, companies leverage these platforms to showcase their offerings and capture the attention of potential buyers.

e. **Word of Mouth**

A powerful form of endorsement exerts considerable influence over purchase decisions. Recommendations from trusted sources such as friends, family, or neighbors carry significant weight, shaping consumer perceptions and preferences.

f. **Trade Shows or Product Shows**

Exhibitions serve as dynamic forums for companies to showcase their wares and forge connections with interested buyers. These events provide a platform for businesses to demonstrate the features and benefits of their products, fostering engagement and driving sales.

g. **Door-to-Door Sales**

Represent a personalized approach to marketing, wherein sellers directly engage with consumers in the comfort of their homes. This intimate method of salesmanship is often employed for household products and daily necessities, offering convenience and personalized service to consumers.

2. **LITERATURE REVIEW**

<table>
<thead>
<tr>
<th>Title</th>
<th>Method</th>
<th>Results</th>
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<tr>
<td>The Importance of SEO and SEM in Improving Brand Visibility in the E-commerce Industry: A Study of Decathlon, Amazon, and ASOS.</td>
<td>This research uses a comprehensive approach to analyze the role of SEO (Search Engine Optimization) and SEM (Search Engine Marketing) in increasing brand visibility in the e-commerce industry. The study specifically involves analyzing leading e-commerce platforms such as Decathlon, Amazon, and ASOS. The research method involves data collection through interviews, surveys, and statistical data analysis to understand the</td>
<td>The results show that the correct implementation of SEO and SEM strategies can significantly improve brand visibility in the e-commerce industry. This study evaluates the performance of Decathlon, Amazon, and ASOS to identify best practices that other companies can adopt to increase online presence and, ultimately, sales.</td>
<td>Ologunebi, J., &amp; Taiwo, E. O. (2023)</td>
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<td>Impact of SEO and SEM strategies on brand visibility.</td>
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<td>The research may use methods that are interdisciplinary in nature, incorporating approaches from computer science, human psychology, and marketing. Research methods may involve experiments, surveys, or case study analysis to identify the extent to which the level of transparency in persuasive technologies, immersive technologies, and online marketing can facilitate users’ informant decision-making.</td>
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<td>The results may suggest that the level of transparency in persuasive technologies, immersive technologies, and online marketing has a positive impact on users' ability to make informed decisions. These findings could have practical implications in developing more transparent technologies and marketing strategies to support more positive user experiences. Please note that these details are general in nature and not the actual results of the studies mentioned. If you have access to such studies, it is better to refer to the source for more information.</td>
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<td>Wang, Ruijie, et al.</td>
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<td>Does Social Media Affect Performance in E-commerce Business? The Role of Customer Management</td>
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<td>The research may use mixed methods between quantitative and qualitative analysis. Research methods may involve customer surveys, analysis of e-commerce transaction data, and interviews with companies to understand the impact of using social media in customer management on e-commerce performance. The focus may be on the relationship between a business’s presence on social media, the way</td>
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<td>The results may show a positive relationship between social media usage, effective customer management, and improved e-commerce performance. This study may provide insights into how social media utilization and good customer management practices can support the growth of e-commerce businesses. Notes: These details are general and speculative in nature. If you have access to the actual research, it is better to refer directly to the source.</td>
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<td>Fitriani, Novi, et al. (2023).</td>
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<td>Conversion Rate Optimization in E-Commerce Webshops” (Tesis Master)</td>
<td>The thesis may use research methods that correspond to the fields of computer science, marketing, or web design. The methods may involve analyzing user data, A/B experiments, interviews with online shop owners, or case studies of several e-commerce webshops. The main focus is on strategies and techniques that can increase conversion rates in e-commerce webshops.</td>
<td>Bardsen, K. T.</td>
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<td>Critical Factors of Reacquainting Consumer Trust in E-commerce</td>
<td>The research may use a mixed approach between qualitative and quantitative methods. Research methods may involve consumer surveys, analysis of e-commerce transaction data, and interviews with e-commerce business owners or managers. The focus of the research may be on identifying critical factors that contribute to the restoration or enhancement of consumer trust after the occurrence of an incident that could undermine that trust.</td>
<td>Fan, M., Ammah, V., Dakhan, S. A., Liu, R., Mingle, M. N. A., &amp; Pu, Z. (2021).</td>
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<td>The Impact of Digital Transformation on Business Model Innovation in Technology Start-ups.</td>
<td>The research may use a mixed method of interviews, case studies and data analysis to investigate the impact of digital transformation on business model innovation of technology start-ups. The methods may involve tracing changes in business strategies, operational models, or innovation patterns adopted by tech start-ups during the digital transformation period.</td>
<td>Research results may include findings related to the positive or negative impact of digital transformation on technology start-up business model innovation. The study may provide deep insights into the way technological change and digitalization affect strategy and innovation within the start-up ecosystem.</td>
<td>Marpaung, S. F., Siregar, H. Z., Abdillah, F., Fadilla, H., &amp; Manurung, M. A. P. (2023).</td>
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<td>Start-up Digital Business: Knowing Business Opportunities and Tips for Beginners</td>
<td>Research methods may vary depending on the purpose of the article. If it is more of a literature review, methods may include searching and analyzing literature related to digital business start-ups, online business, and tips for beginners. If it is a case study or survey-based article, methods may involve interviews with start-up owners or surveys of digital business start-ups.</td>
<td>The outcome of this article may be to provide insight into existing digital business opportunities and provide tips for beginners interested in starting an online business. This could include an understanding of the latest digital business trends, opportunities in the online marketplace, or practical steps to start a digital start-up.</td>
<td>Fauziah, Z., Hayadi, B. H., Meria, L., &amp; Hasanah, A. U. (2022).</td>
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<td>Business Development in the Digital Age.</td>
<td>Research methods may vary depending on the purpose of the article. If it is more of a literature review, methods may include searching and analyzing literature related to business development in the digital age. If it is a research-based article, methods may involve surveys, interviews, or analysis of data related to business dynamics in the digital age.</td>
<td>The outcome of this article may provide an in-depth understanding of business developments in the digital age. This could include aspects such as the impact of digital technology on traditional business models, changes in consumer behavior, or innovations in digital marketing strategies. The results of this research or literature review may provide readers with valuable insights into the dynamics of business in the digital age.</td>
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<td>Astuti, A. W., Sayudin, S., &amp; Muharam, A. (2023).</td>
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### 3. METHOD

Qualitative method is a research approach used to understand and explain social phenomena by exploring the meaning and context behind it[4]. This approach aims to explore and understand various complex aspects of human experience, attitudes, values, and actions. In the context of research, qualitative methods are generally used when researchers want to explore in-depth understanding of a particular phenomenon, process, or context[5]. Qualitative methods have several parts such as content analysis, case studies, narrative studies, and qualitative interviews.

**Figure 2. Qualitative Method**

#### 3.1 Objectives of E-Commerce Development in the Era of Digitalization

As digital transformation accelerates, e-commerce business has become the most important foundation for economic growth around the world[6]. With faster internet access and changing consumer behavior, the development of e-commerce is no longer an option, but a necessity[7]. This article outlines the main objectives of e-commerce development that are the main drivers of business transformation in this digital era. Improving Accessibility and Affordability One of the main goals of e-commerce development is to improve the accessibility and affordability of products or services to consumers. By opening an online store, customers can easily search for products and shop from the comfort of their own homes[8]. This creates new opportunities for customers from all walks of life and
geographies to access products and services that were previously difficult to access. Market Expansion and Globalization The development of e-commerce allows companies to expand into the global market[9]. By using digital technology, companies can reach consumers in different countries without having to open physical stores in those locations. This creates a great opportunity to grow business, increase market share, and expand brand influence internationally.

Improving Customer Experience and Providing a world-class customer experience are important goals in e-commerce development[10]. By leveraging technologies such as content personalization, product recommendations, and streamlined payment processes, businesses can create a more enjoyable and satisfying online shopping experience. Successfully achieving this goal will increase customer loyalty and strengthen long-term relationships.

Optimization of logistics and distribution processes Further development of e-commerce also means more efficient logistics and distribution processes[11]. The use of cutting-edge technologies, such as automated supply chain management systems, ensures that products reach consumers quickly and without any bottlenecks[12]. This not only improves customer satisfaction but also allows businesses to manage inventory more efficiently. Data Analytics and Information Security Another goal is to use data analytics to understand consumer behavior, market trends, and overall business performance. Understanding this data allows companies to make better decisions and develop more effective marketing strategies[13]. E-commerce development goals also include improving information security, protecting customer data, and maintaining consumer confidence. Technological innovation and introduction of new business models the development of e-commerce also means the continuous introduction of technological innovation and new business models[14]. By utilizing artificial intelligence, the Internet of Things (IoT), and other cutting-edge technologies, businesses can stay relevant in a rapidly changing market. New business models such as subscription services and augmented reality-based shopping experiences are part of the continuous evolution of e-commerce.

Sustainability and Corporate Social Responsibility are becoming increasingly important in the development of e-commerce[15]. Companies are expected to pay attention to the environmental and social impacts of their e-commerce business. Implementing sustainable and environmentally friendly business practices not only meets the demands of increasingly environmentally conscious consumers, but also supports a positive corporate image.

3.2 E-Commerce User Development from 2018 to 2023

a. E-commerce User Dynamics
Since the beginning of 2018, the e-commerce industry has become a major pillar of digital transformation, significantly changing the way people buy and sell[16]. During this period, e-commerce users have undergone interesting developments that reflect changes in trends, technology, and consumer behavior.

b. E-commerce User Trends 2018-2019
In 2018, the number of e-commerce users continued to grow worldwide. Technological developments, particularly in the mobile communications sector, played an important role in this growth. Mobile e-commerce apps are becoming easier to use, supporting a smoother and more accessible shopping experience[17]. In 2019, content personalization and the use of artificial intelligence are becoming more mainstream and attracting more consumers.

c. Mobile User Growth 2020-2021
2020 was a pivotal year due to the global pandemic of the novel coronavirus infection (COVID-19). Social restrictions have increased the use of e-commerce, particularly in the food and household goods sectors[18]. Mobile users became increasingly dominant, driving major changes in marketing strategies and user experience. Online transactions and digital payment methods are becoming increasingly secure.

d. **Innovations and User Experience 2022 In 2022**
Innovations such as augmented reality (AR) and virtual reality (VR) will enter the world of e-commerce. These features give customers the opportunity to virtually try products before buying[19]. User interfaces are increasingly optimized to provide a realistic and interactive shopping experience.

e. **International Market Growth 2023 Looking ahead to 2023**
The e-commerce market will continue to grow worldwide. Industry players are increasingly focusing on international expansion and capitalizing on opportunities in different countries[20]. Shipping programs that accelerated and localized marketing strategies are gaining traction to win over consumers around the world.

f. **Challenges and Future Prospects**
Despite growth, the e-commerce industry also faces challenges. Data security and user privacy are major concerns, driving the implementation of stricter security standards. In addition, fierce competition and increasing consumer demands for user experience make it difficult for e-commerce players to continue innovating. In this scenario, the future of e-commerce will continue to be determined by the industry’s response to market and technology dynamics[21]. E-commerce users are expected to experience constant changes in preferences and behaviors, and industry players who can adjust quickly will lead the market. With these constant changes, e-commerce continues to take center stage in the global digital journey[22].

**Here is the development of E-Commerce users from 2018 to 2023**

![Figure 3. E-commerce Development from 2018-2023](image)

Based on Indonesian Statistics, the development of e-commerce in Indonesia shows a promising positive trend. In 2022, the number of online market users reached 178.94 million people, an increase of 12.79% compared to last year’s 158.65 million people. This growth forecast is still optimistic, with the number of users expected to reach 196.47 million by the end of 2023[23]. The upward trend in the number of e-commerce users is
expected to continue over the next four years, with Statistics estimates that the number of e-commerce users in Indonesia will reach 244.67 million by 2027. Meanwhile, in terms of transaction value, Bank Indonesia (BI) said the value of e-commerce transactions will reach IDR 476.3 trillion in 2022. This figure increased by 18.8% compared to the previous year which amounted to Rp 401 trillion\[24\]. Despite the positive growth, the transaction value is still below the target set by the central bank of IDR 489 trillion. Overall, this data reflects the positive trend of e-commerce in Indonesia, both in terms of number of users and transaction value. With optimistic growth estimates, this sector has great potential for the development of the country’s digital economy.

### 4. RESULTS AND DISCUSSION

Accurate knowledge of the market and target groups plays a crucial role in formulating appropriate strategies [25]. Conducting a comprehensive analysis of the market involves delving into various aspects such as consumer behavior, preferences, and emerging trends. This in-depth understanding serves as the foundation for adapting and refining marketing strategies to align with the dynamic market landscape.

#### 4.1 Improving User Experience

Enhancing user experience stands as a pivotal factor influencing purchasing decisions in the digital realm. A seamless and intuitive user interface coupled with swift navigation enhances user satisfaction, thereby fostering a positive perception of the brand and its offerings. Investing in user experience optimization not only facilitates smooth transactions but also cultivates long-term customer loyalty.

#### 4.2 Effective SEO Strategy

SEO (Search Engine Optimization) is important to ensure the visibility of your e-commerce website on search engines as well as using relevant keywords, so creating quality content, and other SEO practices will help the website rank better in search results.

#### 4.3 Quality Content

Compelling and informative content serves as a potent tool for captivating the audience’s attention and fostering brand engagement. From engaging blog posts to insightful product reviews and captivating videos, the creation of diverse and high-quality content facilitates brand storytelling and cultivates a sense of authority within the industry. Such content not only attracts potential customers but also nurtures existing relationships, thereby solidifying brand loyalty and advocacy.

#### 4.4 Using Social Media Platforms

Social media is a highly effective tool for interacting with potential customers. Smart marketing strategies on platforms like Instagram, Facebook, and Twitter can expand your reach and increase brand awareness.

#### 4.5 Personalization and Segmentation

Harnessing the power of data-driven insights enables businesses to tailor marketing efforts according to individual customer preferences and behaviors. Through the implementation of advanced segmentation techniques and personalized messaging, brands can forge deeper connections with their audience, thereby enhancing engagement and fostering brand loyalty. Leveraging technology to deliver customized experiences and exclusive offers not only enhances conversion rates but also nurtures long-term customer relationships.

#### 4.6 Applying Data Analytics

It is important to use data to track the performance of online marketing campaigns. This allows you to evaluate existing strategies, adjust them if necessary, and identify new opportunities[26]. Discussion Results Increase Sales By implementing the right strategies, you can significantly increase e-commerce sales. For example, increased visibility through
SEO increases organic traffic, and an effective social media strategy expands the customer base. E-commerce growth can grow exponentially by strengthening relationships with customers, understanding their needs, and providing an engaging experience. Implementing an optimized online marketing strategy can increase customer loyalty, improve retention, and increase market share. In short, optimizing your online marketing strategy plays an important role in increasing e-commerce sales and growth[27]. By paying attention to the above factors, e-commerce can significantly improve its performance and success in the digital market competition.

5. CONCLUSION

Building the Future of Business and Developing e-commerce is not just about building an online shopping platform, it is also about laying the foundation for an innovative, adaptable, and sustainable business future. By prioritizing these goals, companies can maximize their opportunities to respond to market changes and become leaders in the digital age[28]. The future of business is digital, and e-commerce is the key to sustainable success. The industry has experienced significant growth, driven by digital transformation, and changing consumer behavior. Key factors in e-commerce success include increased accessibility, global expansion, focus on customer experience, and adaptation of smart online marketing strategies.

The year-on-year growth of e-commerce users reflects changing technological trends, particularly in the use of mobile apps, content personalization and artificial intelligence[29]. The COVID-19 pandemic accelerated this shift, with mobile users playing a central role in marketing strategies and user experience. Challenges faced by the e-commerce industry involve data security and consumer privacy, as well as intense competition and ever-increasing consumer expectations for user experience. Successful online marketing strategies include market research, better user experience, personalization, data analytics, and attention to sustainability and responsibility[30].

ACKNOWLEDGEMENTS

The author would like to thank his supervisor and fellow authors in completing this journal. As well as the Alphabet Incubator which supports research data to the success of this research with the title “Online Marketing Strategy Optimization to Increase Sales and E-Commerce Development: An Integrated Approach in the Digital Age”.

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