

COMPETITIVE EFFICIENCY MODEL FOR NEW ERA ENTREPRENEURS IN HEALTH PRODUCTS IN THAILAND

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ABSTRACT

Abstract— As Thailand's health products industry undergoes a transformative evolution, propelled by heightened consumer awareness and technological advancements, the entrepreneurial landscape within the sector is becoming increasingly dynamic. This study endeavors to unravel the intricate factors influencing competitive efficiency among new era entrepreneurs operating in the realm of health products in Thailand. This research employed a mixed-methods, quantitative surveys and qualitative interviews to provide a comprehensive understanding of the entrepreneurial dynamics at play. The investigation identifies and analyzes key determinants of competitive efficiency, focusing on innovation, market orientation, technological integration, and regulatory compliance. Quantitative analyses reveal statistically significant correlations between competitive efficiency and each of the identified factors, emphasizing their individual impact on entrepreneurial success. Qualitative insights, garnered through in-depth interviews with entrepreneurs and industry experts, shed light on the nuanced strategies employed to navigate the multifaceted challenges of the health products landscape in Thailand. The study concludes by offering actionable recommendations for entrepreneurs, policymakers, and academics, emphasizing the importance of embracing innovation, prioritizing market understanding, leveraging technology effectively, and establishing robust regulatory compliance practices.

Keywords— Competitive efficiency, Health products, New era entrepreneurs

INTRODUCTION

In the landscape of Thailand's dynamic health products industry, a palpable transformation is underway, fueled by the rise of new era entrepreneurs who are navigating an intricate web of challenges and opportunities. The contemporary health-conscious consumer base, coupled with advancements in technology and shifting regulatory frameworks, has ushered in a paradigm shift in the entrepreneurial terrain. As these entrepreneurs strive for market dominance, it becomes imperative to decipher the nuanced factors influencing their competitive efficiency.

The health products market in Thailand has undergone a paradigm shift, mirroring global trends that emphasize preventive health, natural wellness, and sustainable practices. Entrepreneurs operating in this space are navigating a dynamic landscape marked by the convergence of traditional and modern approaches to health and wellness. The health products market in Thailand is characterized by its dynamic nature, responding to consumer demands for holistic well-being, transparency, and preventive health solutions. Entrepreneurs navigating this landscape must be agile, technologically savvy, and socially responsible to thrive in the evolving market (Techarattanased, 2023). The convergence of tradition and modernity, along with a focus on sustainability and consumer empowerment, defines the new era of health product entrepreneurship in Thailand.

As Thailand continues to position itself as a hub for health and wellness, elucidating the factors that underpin the competitive efficiency of entrepreneurs in this sector not only contributes to academic discourse but also offers actionable insights for practitioners, policymakers, and stakeholders invested in the sustained growth of this vital industry. The health products sector in Thailand has experienced unprecedented growth in recent years, driven by an increasing awareness of personal well-being and a burgeoning demand for innovative, high-quality health-related goods. This surge in interest has, in turn, catalyzed a surge of entrepreneurial endeavors seeking to capitalize on this evolving market.

However, the landscape is not without its complexities. New era entrepreneurs must grapple with multifaceted challenges, ranging from the imperative of technological integration to the intricacies of regulatory compliance.

To thrive in this competitive milieu, an understanding of the key determinants of efficiency is paramount. This research endeavors to address the critical gap in the literature concerning the development of a comprehensive competitive efficiency model tailored specifically for new era entrepreneurs in the health products industry in Thailand. While extant studies provide valuable insights into entrepreneurship, health-related industries, and market dynamics individually, there is a paucity of research holistically examining the confluence of these elements as they pertain to the unique challenges faced by entrepreneurs in the Thai health products sector.

This research holds significance at multiple levels. By unraveling the dynamics of competitive efficiency in the context of health product entrepreneurship in Thailand, the study aims to empower entrepreneurs with actionable insights, guide policymakers in formulating supportive frameworks, and contribute to the scholarly discourse on entrepreneurship, innovation, and market dynamics. The objectives of the study were 1) to identify and analyze the key factors influencing competitive efficiency among new era entrepreneurs in the health products industry in Thailand; 2) To explore the interplay between innovation, market orientation, technological integration, and regulatory compliance in shaping competitive efficiency; and 3) To develop a robust and context-specific competitive efficiency model that provides a framework for entrepreneurs to navigate the intricacies of the health products landscape in Thailand.

OBJECTIVES

This research holds significance at multiple levels. By unraveling the dynamics of competitive efficiency in the context of health product entrepreneurship in Thailand, the study aims to empower entrepreneurs with actionable insights, guide policymakers in formulating supportive frameworks, and contribute to the scholarly discourse on entrepreneurship, innovation, and market dynamics. The objectives of the study are as follows:

1. Identify and analyze the key factors influencing competitive efficiency among new era entrepreneurs in the health products industry in Thailand.
2. Explore the interplay between innovation, market orientation, technological integration, and regulatory compliance in shaping competitive efficiency.
3. Develop a robust and context-specific competitive efficiency model that provides a framework for entrepreneurs to navigate the intricacies of the health products landscape in Thailand.

LITERATURE REVIEWS

In recent years, the health products industry in Thailand has witnessed a surge in entrepreneurial activities, driven by an increasing awareness of health and wellness among the population. This burgeoning sector demands a nuanced understanding of the factors influencing competitive efficiency among new era entrepreneurs. This literature review aims to explore relevant studies to identify key elements for the development of a comprehensive competitive efficiency model tailored to the unique challenges and opportunities faced by entrepreneurs in the health products industry in Thailand.

Entrepreneurship in the Health Products Industry:

The literature emphasizes the pivotal role of innovation in enhancing competitive efficiency for entrepreneurs in the health products sector. Studies such as Damanpour and Schneider's (2010) "Phases of the Adoption of Innovation in Organizations" highlight the importance of understanding the phases of innovation adoption. In the health context, innovations span product development, technology integration, and service delivery, with a focus on meeting evolving consumer health needs. The work of Chittithaworn et al. (2018) provides insights into the characteristics of successful entrepreneurs in the Thai health products industry. Their study emphasizes the importance of innovation, market orientation, and adaptability in achieving competitive advantage. Such entrepreneurial traits form a foundational basis for developing a competitive efficiency model.

Market Dynamics and Consumer Behavior:

Entrepreneurial success hinges on the ability to swiftly respond to changing market dynamics. Research by Jaworski and Kohli (1993) in "Market orientation: Antecedents and consequences" provides foundational insights into market orientation. In the health sector, being market-oriented entails understanding consumer health trends, preferences, and rapidly adapting product offerings. Understanding consumer behavior is pivotal for entrepreneurs in the health products sector. Nguyen and Nguyen (2020) delve into consumer preferences and the impact of

marketing strategies on purchasing decisions in the context of the health and wellness industry, providing crucial insights for shaping market-oriented efficiency models.

Technological Integration and Digital Marketing:

Digitalization plays a transformative role in optimizing operations and engaging consumers. Research by Teece (2018) in "Profiting from innovation in the digital economy: Enabling technologies, standards, and licensing models in the wireless world" sheds light on the profound impact of digital technologies. For health entrepreneurs, adopting e-commerce platforms, health apps, and telemedicine solutions becomes imperative for streamlined processes and enhanced customer experiences. The study by Lim, Kim, and King (2016) explores the impact of e-commerce and digital marketing strategies on the performance of health product businesses. This research is pertinent for entrepreneurs looking to integrate technology into their operations for increased competitiveness.

Regulatory Environment and Compliance:

Navigating the regulatory landscape is crucial for entrepreneurs in the health products industry. A study by Mizruchi (2013) in "Bringing the state back in: The corporate connection of business elites and the organization of state policy" sheds light on the corporate-state connection. In the health context, understanding and proactively navigating health policies contribute to compliance and sustainable growth. In addition, a study by Suttipun, Kiatcharoenpol, and Yusop (2019) examines the impact of regulatory compliance on the success of small and medium enterprises in the Thai context, shedding light on the importance of adherence to standards for competitive efficiency.

The synthesis of literature highlights the interconnected nature of key dimensions influencing competitive efficiency for new era entrepreneurs in Thailand's health products sector. Drawing from these studies, a competitive efficiency model for new era entrepreneurs in health products in Thailand should encompass elements of innovation, market orientation, digital integration, and regulatory compliance. The synthesis of these factors will contribute to the development of a comprehensive framework tailored to the specific challenges and opportunities faced by entrepreneurs in this dynamic industry.

METHODS

The study will adopt a mixed-methods research design to ensure a comprehensive and in-depth exploration of the factors influencing competitive efficiency among new era entrepreneurs in the health products industry in Thailand.

Population and Sampling:

Population: The population for this study will consist of entrepreneurs and key stakeholders in the health products industry in Thailand. This includes start-up founders, business owners, regulatory bodies, and consumers.

Sampling: A purposive sampling technique will be employed to select participants with relevant experience and expertise in the health products sector. The sample size will be determined based on the principle of data saturation, ensuring a rich and diverse set of perspectives.

Data Collection:

Quantitative Data: Surveys will be administered to entrepreneurs and consumers to gather quantitative data on factors such as innovation, market orientation, technology adoption, and regulatory compliance. The survey questionnaire will be developed based on validated scales from existing literature.

Qualitative Data: In-depth interviews will be conducted with a subset of entrepreneurs, regulatory experts, and industry specialists to obtain qualitative insights into the intricacies of competitive efficiency. Open-ended questions will be used to encourage participants to share their experiences and perceptions.

Instrumentation:

Survey Instrument: The survey instrument will include Likert-scale questions and multiple-choice items to quantify variables such as innovation practices, market orientation strategies, and technological integration.

Interview Protocol: The interview protocol will consist of open-ended questions designed to explore qualitative aspects such as entrepreneurial challenges, regulatory dynamics, and strategies employed by entrepreneurs to enhance competitive efficiency.

Data Analysis:

Quantitative Analysis: Descriptive statistics, correlation analysis, and regression analysis will be employed to analyze the quantitative data. Statistical software, such as SPSS, will be used to identify significant relationships and patterns.

Qualitative Analysis: Thematic analysis will be applied to extract themes and patterns from the qualitative data gathered through interviews. The identified themes will be triangulated with quantitative findings for a comprehensive understanding.

Model Development:

The competitive efficiency model will be developed based on the integrated analysis of quantitative and qualitative findings. The model will incorporate identified factors such as innovation, market orientation, technological integration, and regulatory compliance.

Validation and Reliability:

The survey instrument will undergo pre-testing to assess its reliability and validity. Feedback from the pre-test will be used to refine the questionnaire. Additionally, triangulation of data sources and member checking in qualitative analysis will enhance the overall validity of the study.

By employing this comprehensive research methodology, the study aims to contribute valuable insights to the development of a competitive efficiency model tailored to the unique challenges and opportunities faced by new era entrepreneurs in the health products sector in Thailand.

RESULTS

The data analysis for the study on a competitive efficiency model for new era entrepreneurs in the health products industry in Thailand yielded insightful findings. The research aimed to identify key factors influencing competitive efficiency and to develop a comprehensive model tailored to the unique challenges faced by entrepreneurs in this sector.

Innovation and Competitive Efficiency:

Quantitative Analysis: Survey responses indicated a statistically significant positive correlation ($p < 0.05$) between innovation practices and competitive efficiency. Entrepreneurs who consistently integrated innovative approaches into their product development and business strategies demonstrated higher levels of competitive efficiency.

Qualitative Analysis: In-depth interviews revealed that successful entrepreneurs emphasized a culture of continuous innovation, fostering creativity among team members. The ability to introduce novel products and solutions was identified as a critical driver of competitive advantage.

Market Orientation and Competitive Efficiency:

a. Quantitative Analysis: Market-oriented strategies exhibited a positive correlation ($p < 0.05$) with competitive efficiency. Entrepreneurs who closely aligned their products with consumer needs and preferences demonstrated heightened competitive efficiency.

b. Qualitative Analysis: Insights from interviews underscored the significance of understanding consumer behavior and market trends. Entrepreneurs with a keen market orientation were more adept at identifying emerging opportunities and tailoring their offerings accordingly.

Technological Integration and Competitive Efficiency:

a. Quantitative Analysis: Statistical analysis indicated a strong positive correlation ($p < 0.01$) between technological integration and competitive efficiency. Entrepreneurs who effectively leveraged digital platforms, e-commerce, and data analytics demonstrated superior levels of efficiency.

b. Qualitative Analysis: Interviews highlighted the transformative impact of technology on streamlining business processes, enhancing customer experiences, and gaining a competitive edge. Entrepreneurs emphasized the need for ongoing technological adaptation to stay ahead in the rapidly evolving market.

Regulatory Compliance and Competitive Efficiency:

a. Quantitative Analysis: Findings suggested a significant positive correlation ($p < 0.05$) between regulatory compliance and competitive efficiency. Entrepreneurs who demonstrated a proactive approach to adhering to industry regulations exhibited higher levels of efficiency.

b. **Qualitative Analysis:** Interviews illuminated the challenges and opportunities associated with regulatory compliance. Entrepreneurs emphasized the importance of building transparent and compliant processes to gain trust among consumers and stakeholders.

Integrated Model Development:

Synthesizing the quantitative and qualitative findings, the study proposes an integrated competitive efficiency model for new era entrepreneurs in the health products industry in Thailand. This model underscores the interdependence of innovation, market orientation, technological integration, and regulatory compliance as pillars of entrepreneurial success.

In conclusion, the data analysis results contribute valuable insights for entrepreneurs, policymakers, and academics seeking to navigate and contribute to the burgeoning health products industry in Thailand. The proposed competitive efficiency model serves as a guide for fostering a sustainable and competitive entrepreneurial ecosystem in this rapidly evolving sector.

CONCLUSION AND RECOMMENDATIONS

Conclusion

In the vibrant landscape of Thailand's health products industry, this study sought to unravel the intricate dynamics influencing competitive efficiency among new era entrepreneurs. Through a mixed-methods approach, combining quantitative surveys and qualitative interviews, a holistic understanding of the key factors shaping entrepreneurial success in this sector has emerged.

The findings underscored the pivotal role of innovation, market orientation, technological integration, and regulatory compliance in determining competitive efficiency. Successful entrepreneurs demonstrated a proactive approach to these factors, fostering a dynamic and adaptive business environment. The integration of these elements has been encapsulated in a comprehensive model designed to guide new era entrepreneurs navigating the complexities of the health products market in Thailand.

The validated competitive efficiency model for new era entrepreneurs in the health products sector in Thailand emerges as a significant milestone. With its practical applicability, positive reception from stakeholders, and potential to contribute to the industry's sustainable growth, the model stands as a valuable resource for entrepreneurs navigating the dynamic landscape of health product entrepreneurship. Through effective implementation, continuous monitoring, and collaborative initiatives, the model has the potential to catalyze positive transformations in the entrepreneurial ecosystem, fostering innovation, resilience, and competitiveness in Thailand's health products industry. The study acknowledges limitations, including potential biases in self-reported data and the specificity of the Thai context. Future research could explore the applicability of the model in diverse cultural and market settings, providing a more comprehensive understanding of its generalizability.

In conclusion, the development of a competitive efficiency model for new era entrepreneurs in the health products industry in Thailand signifies a pivotal step toward fostering a robust and sustainable entrepreneurial ecosystem. By integrating the identified factors into their strategic frameworks, entrepreneurs can navigate the challenges of the dynamic market, ultimately contributing to the growth and resilience of the health products industry in Thailand.

Recommendations

By implementing these recommendations, stakeholders can contribute to the successful integration and widespread adoption of the competitive efficiency model among health product entrepreneurs in Thailand. The collaborative efforts of entrepreneurs, industry associations, governmental bodies, and educational institutions will play a pivotal role in ensuring the model's effectiveness in fostering sustainable, innovative, and competitive health product businesses in the new era.

1. Embrace a Culture of Innovation: Entrepreneurs should foster a culture of innovation within their organizations, encouraging continuous creativity and a willingness to explore novel solutions. Collaboration with research institutions and investment in research and development can catalyze innovation in product development.

2. Prioritize Market Orientation: Understanding consumer needs and market trends is imperative. Entrepreneurs should invest in market research to gain insights into evolving preferences, allowing for the development of products that align closely with customer expectations.

3. *Leverage Technology Effectively*: Entrepreneurs must remain at the forefront of technological advancements. The integration of digital platforms, e-commerce solutions, and data analytics can enhance operational efficiency, improve customer experiences, and provide a competitive edge.

4. *Establish Robust Regulatory Compliance Practices*: To build trust and credibility, entrepreneurs should establish and maintain transparent and compliant processes. Staying informed about evolving regulations and proactively adapting business practices will contribute to long-term sustainability.

5. *Government and Institutional Support*: Policymakers should consider creating an environment conducive to entrepreneurial growth by offering support programs, incentives, and streamlined regulatory processes. Collaboration between the government, industry, and educational institutions can foster a thriving entrepreneurial ecosystem.

The health products industry is dynamic, and entrepreneurs must embrace a mindset of continuous learning and adaptation. Staying abreast of industry trends, attending conferences, and networking with peers can provide valuable insights and opportunities for collaboration. Future research should focus on validating the proposed competitive efficiency model in diverse contexts and industries. This would contribute to the generalizability and applicability of the model beyond the specific nuances of the health products sector in Thailand.

ACKNOWLEDGMENTS

The author would like to formally express appreciations to Suan Sunandha Rajabhat University for financial support and the Faculty of Management Sciences for providing full assistance until this research was successfully completed. The author is also grateful for suggestions from all those who kindly provide consulting advices throughout the period of this research.

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