

EMPIRICAL STUDY ON THE INFLUENCE OF SUPPLY CHAIN AND CUSTOMER MANAGEMENT FACTORS ON XIAOMI'S GLOBALIZATION STRATEGY

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Abstract

With the rapid development of globalization and the increasing competition in the global market, enterprises are faced with many challenges and opportunities when formulating and implementing globalization strategies. As a globally influential tech company, Xiaomi plays an important role in the supply chain and customer management elements of its globalization strategy. This study aims to empirically investigate the impact of supply chain and customer management factors on Xiaomi's globalization strategy.

Keywords: globalization strategies, supply chain, customer management

Introduction

In Xiaomi's globalization strategy, market entry strategy, product innovation strategy and brand promotion strategy are considered as key independent variables. Market entry strategy involves the decision of market selection, market positioning and market entry mode to seek the opportunities, risks and potential success possibilities offered by different markets. Product innovation strategies include technology research and development, product line breadth, and user engagement to drive product innovation and improvement and enhance product competitiveness and market performance. The branding strategy involves brand positioning, branding, and social media marketing to convey the brand image by telling its core values and unique stories.

At the same time, this study will examine the degree of globalization success as a dependent variable. The degree of globalization success is measured by market share and brand influence, which reflects an enterprise's competitive position and market share in the global market.

Based on existing theories and literature, this study will construct a research model framework, collect and analyze relevant data by quantitative research methods, and explore the impact of supply chain and customer management factors on Xiaomi's globalization strategy based on empirical analysis. The results have important theoretical and practical implications for Xiaomi and other enterprises to formulate and optimize their globalization strategies.

Literature review and hypotheses development

1. Supply Chain

Under the background of globalization and technological progress, the theory of Supply Chain Management (SCM) has become an indispensable and important part of enterprise strategic management. Supply chain management involves the whole process management from raw material procurement to final product delivery, and its core goal is to achieve competitive advantage and sustainable development of enterprises by optimizing

resource allocation, reducing costs, improving efficiency and enhancing market responsiveness. This paragraph will discuss the main theoretical framework of supply chain management, and cite relevant research content to deeply understand its application and impact in practical operation.

Supply chain management theory was first widely concerned in the early 1990s, and its development process is closely related to the rapid development of globalization and information technology. According to Chopra and Meindl (2019), the core tasks of supply chain management include supply chain design, planning and execution, as well as control and improvement. Firstly, supply chain design concerns how decision makers select suppliers, determine inventory strategies, and transportation modes to maximize overall efficiency and cost effectiveness. Secondly, the supply chain planning and execution stage emphasizes real-time information sharing and coordination to respond to changes and uncertainties in market demand. Finally, by monitoring and improving the process, firms can continuously optimize their supply chain operations and improve response speed and customer satisfaction.

In practice, SCM involves not only the optimization of internal operations, but also close cooperation and coordination with suppliers, distributors and end customers. For example, Lambert et al. (2008) pointed out that supply chain synergy is a key factor to achieve supply chain efficiency and flexibility. By establishing long-term and stable partnerships, companies can jointly address market challenges, reduce inventory and transportation costs, and improve the reliability and punctuality of product delivery.

On the other hand, supply chain network design plays an important role in improving supply chain performance. According to the research of Christopher (2016), the optimization of supply chain network can reduce the cost and environmental impact by redesigning the logistics network and reducing the transportation distance and time. Such optimization not only improves the environmental sustainability of enterprises, but also enhances the resilience of supply chains, enabling enterprises to better cope with globalization and geopolitical uncertainties.

The application of technology is also one of the important trends in modern supply chain management. As technologies such as the Internet of Things (IoT), artificial intelligence (AI), and big data analytics mature, enterprises can track and analyze various links in the supply chain in real time, improve forecast accuracy, reduce inventory levels, and adjust production and supply plans in a timely manner. For example, Lee et al. (2017) studied the supply chain prediction model based on big data analysis and showed its significant effect in improving market responsiveness and reducing operational risks.

2. Supplier Collaboration

Theoretical basis of supplier relationship management.

Supplier collaboration plays a crucial role in modern supply chain management, enabling companies to enhance efficiency, reduce costs, improve product quality, and gain competitive advantages in the global marketplace (Lee, 2002; Wu et al., 2011). This essay explores the concept of supplier collaboration, its significance, benefits, challenges, and effective strategies for implementation. Supplier collaboration refers to the strategic partnership between a company and its suppliers, aimed at achieving mutual goals through shared information, resources, and joint decision-making processes. In today's interconnected business environment, collaboration with suppliers has evolved beyond traditional transactional relationships to encompass strategic alliances that foster innovation, responsiveness, and sustainability across the supply chain.

The significance of supplier collaboration lies in its ability to create value throughout the supply chain (L. M. 2013). By working closely with suppliers, companies can leverage their expertise, resources, and capabilities to streamline processes, reduce lead times, and

improve overall operational efficiency. This collaborative approach enables better demand forecasting, inventory management, and cost control, leading to enhanced customer satisfaction and profitability. One of the primary benefits of supplier collaboration is improved product quality and innovation. When companies collaborate with suppliers from the early stages of product design and development, they can incorporate supplier insights and expertise, leading to innovative solutions and faster time-to-market. This proactive collaboration not only ensures that products meet high-quality standards but also helps in adapting quickly to changing market demands and technological advancements. Cost reduction is another significant advantage of supplier collaboration. By aligning goals and sharing resources, companies and suppliers can identify opportunities for cost savings in procurement, production, and logistics. For instance, collaborative efforts in sourcing raw materials, optimizing transportation routes, and reducing inventory levels can lead to substantial cost efficiencies and competitive pricing in the market.

Furthermore, supplier collaboration enhances supply chain resilience and risk management. By building strong relationships and communication channels with suppliers, companies can better mitigate risks such as supply disruptions, fluctuating demand, and geopolitical uncertainties. Collaborative planning and risk-sharing strategies enable proactive responses to challenges, ensuring continuity of supply and minimizing operational disruptions.

However, effective supplier collaboration comes with its challenges. One of the key challenges is the establishment of trust and transparency in relationships. Companies need to foster trust through open communication, fair treatment, and mutual benefits to encourage suppliers to share sensitive information and engage in collaborative efforts. Cultural differences, geographical distance, and varying business practices can also pose challenges that require effective communication and cultural sensitivity. Implementing successful supplier collaboration requires adopting effective strategies and practices. Firstly, companies should prioritize supplier selection based on mutual strategic fit, capabilities, and shared values. Clear communication of expectations, performance metrics, and goals is essential to align both parties towards common objectives. Regular performance evaluations and feedback mechanisms help in monitoring progress and addressing issues promptly.

Moreover, technology plays a crucial role in facilitating supplier collaboration. Advanced digital platforms, such as Supplier Relationship Management (SRM) systems and cloud-based collaboration tools, enable real-time data sharing, collaborative planning, and supply chain visibility. These technologies enhance decision-making processes, improve responsiveness to market changes, and strengthen relationships with suppliers across geographical boundaries.

Impact of supplier collaboration on supply chain efficiency.

The impact of supplier collaboration on supply chain efficiency is a pivotal aspect of modern supply chain management, influencing operational effectiveness, cost management, and overall organizational performance. This section explores how supplier collaboration contributes to enhancing supply chain efficiency through improved processes, reduced costs, and enhanced responsiveness. Supplier collaboration fundamentally transforms supply chain operations by fostering closer relationships and partnerships between companies and their suppliers. It involves shared goals, mutual trust, and collaborative efforts aimed at optimizing various supply chain activities from procurement to distribution.

One significant impact of supplier collaboration on supply chain efficiency is streamlined procurement processes. By collaborating closely with suppliers, companies can achieve better inventory management, reduce lead times, and lower procurement costs (Krause et al., 1997; Monczka et al., 2020). For example, joint forecasting and planning initiatives enable suppliers to align production schedules with actual demand, minimizing the risk of overstocking or stockouts (Lai et al., 2006; Monczka et al., 2019).

Furthermore, supplier collaboration enhances supply chain responsiveness. Through shared information and real-time data exchange, companies and suppliers can quickly adjust to changes in customer demand or market conditions. This agility is crucial in dynamic industries where rapid response times can mean the difference between gaining a competitive edge or losing market share. Cost efficiencies are also a direct outcome of effective supplier collaboration. Collaborative efforts in sourcing, transportation, and inventory management lead to reduced operational costs and improved cost structures. For instance, bulk purchasing agreements negotiated through collaborative efforts often result in volume discounts, lowering unit costs and improving profitability margins.

Moreover, supplier collaboration contributes to supply chain resilience and risk management. By developing strong partnerships, companies can better mitigate supply chain disruptions, such as natural disasters, geopolitical instability, or supplier failures. Collaborative risk assessment and contingency planning strategies enable proactive measures to minimize disruptions and maintain continuity of supply.

In terms of operational efficiency, supplier collaboration optimizes production processes and enhances overall supply chain visibility. Collaborative production planning and scheduling help in reducing idle times and improving resource utilization across the supply chain network. Enhanced visibility into supplier performance metrics and delivery schedules enables better decision-making and tighter control over supply chain operations. Additionally, supplier collaboration fosters innovation within the supply chain. By involving suppliers in product design and development stages, companies can leverage supplier expertise and capabilities to introduce innovative products or improve existing ones. This collaborative innovation enhances product quality, accelerates time-to-market, and meets evolving customer expectations effectively.

However, effective supplier collaboration requires overcoming several challenges. These include aligning organizational cultures, managing information sharing securely, and ensuring equitable distribution of benefits among partners. Clear communication, trust-building initiatives, and mutually beneficial agreements are essential to overcoming these challenges and sustaining collaborative relationships. In conclusion, the impact of supplier collaboration on supply chain efficiency is profound and multifaceted. By nurturing strategic partnerships and leveraging collaborative practices, companies can achieve significant improvements in procurement processes, operational agility, cost efficiencies, risk management, and innovation capabilities. Embracing supplier collaboration as a core strategy not only enhances supply chain efficiency but also strengthens competitive advantage and fosters sustainable growth in today's global marketplace.

3. Customer Satisfaction

Customer Satisfaction Theory.

Customer satisfaction is a critical metric in business that directly influences customer loyalty, retention rates, and overall business success. This section delves into the concept of customer satisfaction, its significance, measurement techniques, and its impact on business performance, drawing insights from relevant literature and studies.

Customer satisfaction refers to the extent to which customers' expectations are met or exceeded by the products, services, or experiences provided by a company. It is a multidimensional construct influenced by factors such as product quality, service delivery, pricing, convenience, and customer support. According to Kotler and Keller (2016), customer satisfaction is a key driver of customer loyalty and advocacy, which are crucial for sustainable business growth.

Measuring customer satisfaction involves various methods, including surveys, feedback forms, net promoter scores (NPS), and customer satisfaction indexes (CSIs). These

tools help businesses collect quantitative and qualitative data on customer perceptions and experiences. For instance, a study by Fornell et al. (1996) introduced the American Customer Satisfaction Index (ACSI), which measures customer satisfaction across different industries based on customer feedback. Several factors contribute to customer satisfaction, as identified by various studies. Product and Service Quality: High-quality products and reliable services contribute significantly to customer satisfaction (Parasuraman et al., 1988). Consistency in meeting or exceeding product expectations enhances satisfaction levels. Customer Service: Efficient and responsive customer service plays a crucial role in addressing customer issues and inquiries promptly (Zeithaml and Bitner, 2003). Effective resolution of complaints can positively impact overall satisfaction. Price and Value: Perceived value for money and fair pricing influence customer satisfaction. Customers evaluate whether the benefits received justify the price paid (Anderson et al., 1994). Convenience and Accessibility: Ease of access, convenience in purchasing, and seamless transactions contribute to a positive customer experience (Parasuraman et al., 1991). Online platforms and mobile apps have further enhanced convenience in recent years.

Customer Loyalty and Retention: Satisfied customers are more likely to repurchase products or services and recommend the brand to others (Reichheld, 1996). Increased customer loyalty reduces customer churn rates and enhances long-term revenue potential. Satisfied customers act as brand ambassadors, sharing positive experiences with friends, family, and colleagues, thereby attracting new customers (Söderlund, 1998). Businesses that prioritize customer satisfaction typically experience higher sales volumes and revenue growth. Loyal customers contribute significantly to overall sales and profitability (Fornell et al., 2006). Consistently high levels of customer satisfaction contribute to a positive brand reputation and differentiate the company from competitors (Cronin et al., 2000). Effective management of customer complaints and feedback is essential to addressing issues promptly and improving service delivery (McCole et al., 2010).

Customer engagement theory.

Customer engagement theory is one of the important theoretical frameworks in modern marketing management, which emphasizes the active role and influence of customers in business decisions and activities. This paragraph will deeply discuss the basic concepts, importance, implementation strategies of customer engagement theory and its impact on the long-term development of enterprises, and analyze it based on relevant academic research and practical cases. Customer participation theory first emphasizes that customers are no longer passive recipients of products or services, but can actively participate in the decision-making and innovation process of enterprises, and play an important role in co-creating value and meeting needs. Prahalad and Ramaswamy (2004) pointed out that in the traditional market view, enterprises often regard customers as only the recipients of demand and the objects of the market, but ignore the potential of customers as co-creators and promoters of innovation. Customer participation theory holds that by establishing closer interaction and cooperation with customers, enterprises can better understand and grasp the market demand, so as to effectively enhance the competitiveness of products and services.

The importance of customer participation lies in the many benefits it can bring to enterprises. First, customer engagement can drive product and service innovation. Through continuous interaction and feedback with customers, enterprises are able to timely understand customer expectations and demand changes, so as to quickly adjust and improve product design and functions. For example, some advanced technology enterprises such as Apple and Google allow developers and users to participate in the process of testing and improving new functions through open software development platforms, thus accelerating the speed of product innovation and marketing.

Secondly, customer engagement is significant for the improvement of market insight.

Customers are not only consumers, but also information sources that can provide valuable market feedback and consumer behavior data. Through customer feedback and interaction, enterprises can deeply understand customers' purchase decision-making process, product use experience and service satisfaction, providing scientific basis for the formulation and implementation of marketing strategies.

Third, customer participation has an important impact on brand building. The establishment of open communication channels and customer engagement platforms can not only enhance customers' brand identity and loyalty, but also produce positive effects in social media and word-of-mouth communication. Through the brand story and vision jointly created with customers, enterprises can build a positive brand image in the competitive market, and enhance the credibility and influence of the brand.

4. Theories Related Consumers' Purchase Behavior

Perceived Value Theory.

Perceived value comes from the correlation study between value and customers in western marketing circles. Since the 1990s, as the competition between enterprises continues to intensify, the position of consumers has become more and more prominent, and the importance of consumer perceived value to enterprises has become more and more strong, which has become the focus of both academia and industry. Many studies have proved that there is a positive correlation between consumer perceived value and purchase intention. Consumers pursue the maximization of perceived value, and the greater the perceived value, the stronger the purchase intention will be.

In 1954, Drucker proposed in his book *Management Practice* that what customers consume is not product but value. But he didn't do a thorough study. With the intensification of market competition, the academic research on consumer perceived value is gradually deepening.

Although the concept and dimension of perceived value have not yet been unified, the strategic role of perceived value for enterprises has been unanimously affirmed by scholars (Dodds et al., 1991). The dual role of perceived value makes it more and more important, not only affecting people's purchase behavior during the purchase phase, but also affecting people's satisfaction with products and their post-purchase behavior after purchase. The following will summarize relevant studies at home and abroad.

Technology Acceptance Model (TAM) Theory.

The Technical Acceptance Model (TAM) was an evolution of the TRA reasoning action theory. In 1989, Davis found in his research that some research methods could not effectively measure users' acceptance of computer technology. Therefore, Davis (1989) added perceptual usefulness and ease of use to the TRA based technology acceptance model and validated that perceptual usefulness and perceptual ease of use and the user's future affected the degree of use of computer technology. He put forward perceived usefulness, perceived ease of use, using attitude and behavioral intention, and the relationship between the system use. Davis thought that users' willingness to use was determined by the perceived usefulness and use attitude, use attitude was determined by the perceived usefulness and perceived ease of use, perceived usefulness was determined by external stimuli and perceived ease of use, and perceived ease of use was determined by external stimuli, thus influencing individual users' attitudes and behavioral intentions. Later, Revyathi and Tselios (2017) believed that the original technical acceptance model was biased. Use of attitudes did not have an effective and complete mediating effect. Removing use of attitude variables, the model was more reasonable.

Among them, use behavior referred to the individual user's use of a certain technology behavior. Behavioral intention referred to the possible degree to which individual users were willing to complete specific behaviors. Perceived usefulness was when users

believe that using a particular technology would improve job performance. Perceived ease of use referred to how easy it was for a user to use a particular technology. In later studies, scholars extended the modified TAM model. For example, Venkatesh and Davis added social influences and cognitive processes based on external variables and perceptual ease of use, which were the original influencing factors of perceived usefulness. TAM 2 model was proposed (Hui et al., 2017). Later, Rupak et al. (2014) combined control variables from eight other theoretical models, including gender, age, experience, and voluntariness, with the TAM model to obtain a comprehensive model for technology adoption and utilization (UTAUT).

5. Review of Variables

This section introduces the names of all variables that are relevant in the paper based on the theory and related research presented in 2.1.

5.1 Globalization of the economy

Globalization refers to the process of free movement and integration of goods, services, capital, technology and information on a global scale. It is an economic, social, cultural and political phenomenon that involves increasing ties and interdependence between states. Economic globalization refers to the process of increasing integration of economic activities of countries around the world, including increased international trade, cross-border investment and capital flows. According to the study of Robertson (1992), economic globalization has promoted the free flow of goods and services worldwide, leading to the deep integration of the global economy. Stiglitz (2002) pointed out that economic globalization has brought significant economic growth and development opportunities, especially in emerging markets and developing countries, which can achieve rapid industrialization and economic development by participating in the global market. However, economic globalization has also triggered an impact on income inequality and local industries, especially in developed countries, where many manufacturing jobs have been lost to outsourcing and migration, leading to increased socio-economic problems.

Cultural globalization refers to the process by which cultural products, ideas and ways of life are spread and exchanged on a global scale. Tomlinson (1999) proposed that with the progress of global communication technology, cultural globalization has become more and more obvious. Through movies, music, television programs and the Internet, elements of Western culture have rapidly spread around the world, affecting People's Daily lives and values. Hall (1991) also pointed out that cultural globalization promoted cross-cultural communication and understanding and enhanced global citizenship.

Social globalization involves the expansion of social relations and social networks on a global scale. Held et al. (1999) argued that international migration, transnational marriage and joint responses to global social issues (such as climate change and public health) are typical manifestations of social globalization. Social globalization strengthens connections and cooperation among global citizens and promotes social progress on a global scale. However, there are also scholars who point out that social globalization may bring about social instability and governance challenges, such as migration issues and cross-cultural conflicts.

Political globalization refers to the process by which political activities and institutions influence and coordinate with each other on a global scale. Scholte (2005) pointed out that international organizations such as the United Nations and the World Trade Organization were playing an increasingly important role in global governance, and countries needed more transnational cooperation in dealing with global issues. Keohane and Nye (2000) argued that political globalization helps solve global problems and promote peace, but it may also weaken national sovereignty and cause political frictions and conflicts.

Technological globalization is the process of spreading and applying scientific and

technological innovation and progress on a global scale. Castells (1996) proposed that the information technology revolution and the popularization of the Internet were the core driving forces of technological globalization. These technologies are not only changing the way businesses operate, they are also reshaping the structure of the global economy. Freeman and Soete (1997) pointed out that technological globalization has promoted the improvement of productivity and quality of life, but it has also brought about digital divide and technology dependence, especially between developed and developing countries.

5.2 Selection of Markets

As an important part of enterprises' globalization strategy, the decision-making process of market selection is deeply affected by many economic and management theories. In terms of economic theory, Dunning's (1980) eclectic theory of international production provides the key theoretical foundation. According to this theory, when deciding to enter the international market, enterprises should comprehensively consider Ownership Advantages, Location Advantages and Internalization Advantages. Ownership advantage includes internal resources such as technology, brand and management experience, location advantage refers to the geographical location and resource conditions of the market selected by the enterprise, and internalization advantage involves the effectiveness and cost advantage of the internal operation of the enterprise. These advantages not only affect the decision of market selection of enterprises, but also directly affect their competitiveness and profitability in the global market.

In addition to Dunning's theory, Porter's (1980) industrial concentration theory and competitive advantage theory also have an important impact on market selection strategies. According to Porter's theory, enterprises should choose those markets with relatively little competition and low market entry barriers, so as to more easily gain market share and achieve sustained competitive advantage. This competitive advantage is not limited to cost advantage, but also includes advantages in product differentiation and market focus. Therefore, when formulating market selection strategies, enterprises need to deeply analyze the industrial structure and competition pattern of the target market, so as to effectively locate and utilize market opportunities.

In terms of management theory, The Internationalization Process Model proposed by Johanson and Vahlne (1977) provides practical guidance for enterprises to make market selection decisions. This model emphasizes the learning and adaptation process of enterprises in the process of internationalization. This gradual internationalization strategy helps enterprises reduce risks while enhancing their understanding and adaptability to the external market environment.

In addition, cultural differences, political stability, laws and regulations and other factors are also important considerations that affect market selection decisions. The cultural dimension theory of Hofstede (1980) revealed significant differences in cultural values, social structures and organizational methods in different countries and regions, and enterprises should consider the influence of these cultural factors on market acceptance and operation when selecting markets. At the same time, the stability of the political and legal environment has an important impact on the risk and sustainability of enterprises' market entry.

Market selection involves the analysis and assessment of market potential, entry barriers and risks in different countries and regions. Dunning's (1980) Compromise theory of international production pointed out that enterprises should comprehensively consider ownership advantages, location advantages and internalization advantages when choosing to enter the international market. Allaire and Firsirotu (1992) proposed that market selection should not only consider economic factors, but also pay attention to the differences in cultural, social and political environments, which may have a significant impact on the operation of enterprises.

6. Conceptual framework

Based on the reference of relevant literature, the theories including AIDMA marketing theory, perceived value theory, Technology Acceptance Model (TAM) theory, Stimulus-Organism Response (SOR) theory and information source (IS) theory are integrated to construct the theoretical framework of this study. The theoretical framework is as shown in Figure

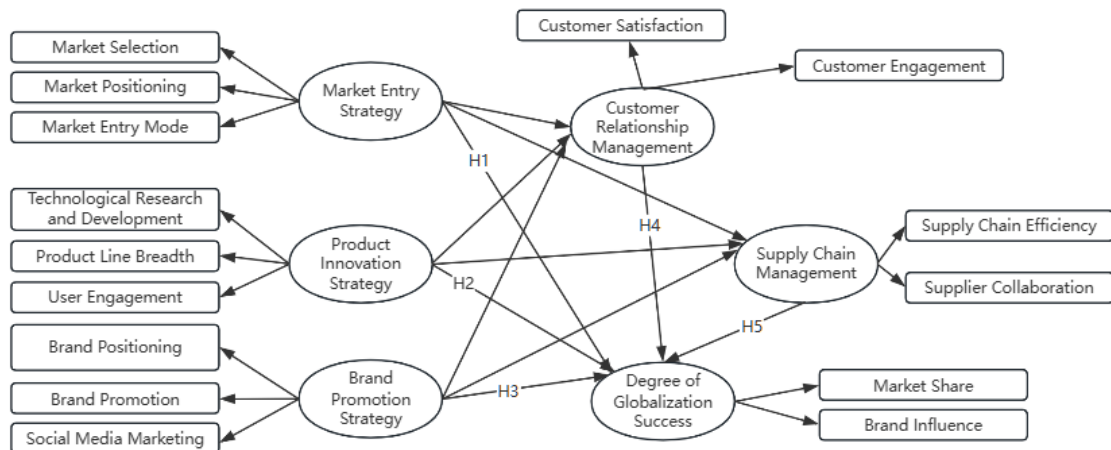


Figure 1. Conceptual Framework

7. Research hypotheses

Based on the above discussion, this study designs the following hypothesis:

H1: Market Entry Strategy affect the Degree of Globalization Success.

H2: Product Innovation Strategy affect the Degree of Globalization Success

H3: Brand Promotion Strategy affect the Degree of Globalization Success.

Hypothesis of mediating variable:

H4: Customer Relationship Management mediates the relationship between Market Entry Strategy and Degree of Globalization Success.

H5: Supply Chain Management plays a mediating role between Product Innovation Strategy and Degree of Globalization Success

H6-11: Each independent variable will affect two mediating variables separately

Research Methodology

This research was designed as mixed method with qualitative and quantitative research. In qualitative research, based on Phenomenology Theory, NVIVO software was used to establish a conceptual model of influencer marketing, including design of interview outline, selection of interviewees, collection of interview records, coding and analysis of interview records. In quantitative research, research hypotheses were verified by questionnaire survey and statistical analysis, and research conclusion was drawn, including design of questionnaire, design of populations and samples, data collection and processing, design of data analysis using structural equation model by software SPSS and AMOS. Finally, to ensure content validity, structure validity and reliability of questionnaire items, IOC test by management experts and pilot test with small sample were conducted to form the formal questionnaire with good reliability and validity in this chapter. Detail of each subject was

explained in the following sections.

Research Design

This study used a combination of qualitative and quantitative research methods. As it belongs to the category of exploratory research, the Phenomenology Theory is selected as the qualitative research method. Phenomenology Theory is a research method proposed by B Glaser & a Strauss, which systematically collects and analyzes data to derive theories, and then realizes the cognitive process from phenomenon to essence (Pang & Ye, 2019). The main steps include conceptualization and categorization, main category and sub-category mining, core category and network relationship structure construction, etc. Following the Phenomenology Theory, this study abstracts and generalizes the factors of Xiaomi globalization by supply chain and customer management factors, establishes the relationship among the factors, and finally forms the research conceptual model.

Population and Sample Size

The target population of this study is those who work in Xiaomi or have participated in the global industrial chain and management of Xiaomi.

In this study, the purposive sampling method was selected both in qualitative research and in quantitative research.

There are lots of sampling techniques which are grouped into two categories as probability sampling and non-probability sampling. The purposive sampling technique is one of non-probability sampling techniques. It also calls judgment sampling. Purposive sampling is the deliberate choice of an informant due to the quality the informant possesses. In short, the researcher decides what needs to be known and sets out to find people who can and are willing to provide the information by virtue of knowledge or experience (Bernard, 2002).

Research Method

This study used a combination of qualitative and quantitative research methods, including in-depth interviews, questionnaires and statistical analysis.

Depth Interview Method.

In qualitative research, the in-depth interview method refers to the investigation research method in which the interviewer and the interviewees conduct a research conversation in the form of oral communication to understand someone, something, and certain attitudes and behaviors (Krstic, 2020). The in-depth interview method has the characteristics of flexible and in-depth investigation process, complete and true information acquisition, and wide application scope. The in-depth interview method was used in this study, and the respondents were personally interviewed. This method is flexible and adaptable, which is conducive to the communication between researchers and respondents, and the understanding of some sensitive topics can also reach a certain depth. An in-depth interview is a long (typically 30 to 60 minutes) one-on-one conversation between an expert and a respondent around the topic. Interviews can obtain the respondent's view on something, or the process and factors involved in making a decision.

Through the interview and survey, we can explore more factors affecting Xiaomi's globalization in the supply chain system and management system, and sort out the potential relationship between different factors.

Questionnaire Survey Method.

In the quantitative study, a semi-structured questionnaire was used to collect data from the sample. In the process of questionnaire design, this study refers to the maturity scale in the relevant literature of domestic and foreign scholars to form the initial questionnaire. On this basis, the author invited five management experts to test the content validity, and tested the objective consistency (IOC) of items. SPSS software was used to analyze the reliability

and construct validity of the pilot test. Finally, according to the results of the pre-test, the initial questionnaire was adjusted to form the formal questionnaire.

Data Collection Procedures

In this study, data collection procedures included the depth interview data in qualitative research collection and questionnaire data in quantitative collection.

Data Analysis Procedures

qualitative research and quantitative research. Firstly, five qualitative research steps were formulated : (1) 20 respondents were selected by purposive sampling method, and the interview outline was designed by combing relevant literature; (2) Interview records were collected by recording with the consent of the interviewees; (3) Analyze and code the interview data, including open coding, axial coding and selective coding based on Phenomenology Theory; (4) Test theoretical saturation. (5) Construct the research conceptual model.

Secondly, five steps of quantitative research are formulated : (1) Six variables are defined and measurement items of seven variables in the conceptual framework are designed with reference to maturity scales in relevant literature to construct the initial questionnaire, which consists of four parts and a total of 80 items. (2) Data collection procedures were designed in detail, and data were collected online through social software such as wechat group and QQ group by means of purposive sampling. (3) The data analysis procedures are designed in detail, including reliability and validity test, confirmatory factor analysis (CFA), structural equation model construction, structural equation model (SEM) for research hypothesis testing, mediating effect test by bootstrapping, and multi-group analysis of moderate effect structural equation model. (4) Five management experts are used to conduct IOC test, and reliability analysis and exploratory factor analysis (EFA) are conducted on 59 valid samples to test reliability, content validity and construct validity. (5) According to the results of the International Olympic Committee (IOC) and the pilot test, a formal questionnaire with good content and structural validity and high reliability is prepared.

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