Customer Accounting as a Valuable Approach of Strategic Management Accounting: Evidence from Hotel Businesses in Thailand

Dr.Phaprukbaramee Qsahawanitchakit

As a lateral essor of Accounting, Mahasarakham Business Chow, Mahasarakham University

ABSTRACT

his study aims at examining the influences of custoner accounting on firm performance of hotel businesses in Thailand. To investigate the relationships, 183 hotel businesses in Thailand are the samples of the study. In this study, and or profitability analysis and customer asset management have significant influences on costomer relationship and firm performance, but customer lifetime value has no relationships. Uso, associations among customer relationship, customer response, customer satisfaction, customer cceptance, and firm performance are strongly important in the study. This study enables firms' executives to be aware of how to implement, apply and utilize customer accounting for creating customer performance, initialing competitive advantage, promoting profitability, and increasing stability, survival and sustainability in the highly and rigorously competitive markets and environment; in our the valuable allocation of their resources, assets and strategies to customer accounting. Likewise, this study empirically confirms that both customer profitability analysis and customer asset management are the key dimensions of customer accounting, which is consistent with the existing lit vature and explicitly contributes to theoretical aspect and adds more benefits to the literature.

Keywords: Customer Account of Customer Relationship, Customer Response, Customer Satisfaction, Customer Acceptance, Firm Performance

การบัญชีลูกค้าเป็นวิธีการที่มีคุณค่างองการบัญชี เพื่อการจัดการเชิงกลยุทธ์ หลักฐานจากธุรกิจโรงแรมในประเทศไทย

ดร.ปพฤกษ์บารี อุตสาหะวาณิชกิจ

รองศากราชาญชี คณะการบัญชีแล้ กางจักกร มหาวิทยาลัยมหาสารคาม

บทคัดย่อ

ารวิจัยนี้มีเป้าหมายเพื่อทดสอบอิทธิพลของการบัญชีลูกค้าที่มีต่ (ผลการกำเนินงานของกิจการของธุรกิจโรงแรม ในประเทศไทย ซึ่งการทดสอบความสัมพันธ์ของการวิจัยนั้น เมื่อจิจโรงแรมในประเทศไทย จำนวน 183 ราย เป็นกลุ่มตัวอย่างในการวิจัย ในการวิจัยนี้ การวิเคราะห์รวาม บารถในการทำกำไรจากลูกค้าและการจัดการ สินทรัพย์ที่เกี่ยวกับลูกค้า มีอิทธิพลที่มีความสำคัญต่อพวาร มีพันธ์กับลูกค้าและผลการดำเนินงานของกิจการ แต่มูลค่าตลอดช่วงชีวิตของลูกค้าไม่มีความสัมพันธ์ นอกจากนี้ (การเของโยงระหว่างความสัมพันธ์กับลูกค้า การตอบสนอง ลูกค้า ความพึงพอใจของลูกค้า การยอมรับของลูกค้า และผลการจำเนินงานของกิจการ มีความสำคัญอย่างมากในการวิจัยนี้ การวิจัยนี้ช่วยสนับสนุนให้ผู้บริหารของกิจการตระหนักถึงแนวทางและวิธีการในการประยุกต์ใช้และการใช้ประโยชน์จากการ บัญชีลูกค้า เพื่อสร้างสรรค์ผลการดำเนินงานที่ขึ้นเกิดจากลูกค้า ก่อให้เกิดความได้เปรียบทางการแข่งขัน ส่งเสริมให้เกิดความ สามารถในการทำกำไร และเพิ่มความมั่นคง ความ ร่อดและความยั่งยืนในตลาดและสภาพแวดล้อมที่มีการแข่งขันรุนแรงสูง ผ่านการปันส่วนที่มีคุณค่าของทรัพยากร สินทราน์ และกลุทธ์ของกิจการเข้าสู่การบัญชีลูกค้า การวิจัยนี้ยังมีการยืนยัน เชิงประจักษ์ว่า ความสามารถในการทำกำไรจากลูกค้าและการจัดการสินทรัพย์ที่เกี่ยวกับลูกค้า เป็นองค์ประกอบหลักของ การบัญชีลูกค้า ซึ่งสอดคล้องกับการวิจัยใน เมื่อ และสร้างคุณค่าเชิงทฤษฎีและเพิ่มประโยชน์มากขึ้นในการวิจัยที่เกี่ยวข้อง

คำสำคัญ: การบัญชีลูกค้า ความสันวานร์กับลูกค้า การตอบสนองลูกค้า ความพึงพอใจของลูกค้า การยอมรับของลูกค้า และผลการดำเนินงานข งกิจกร

1. INTRODUCTION

In increasingly competitive environments, firms have attempted to search for effective testing testing testing the search for effective testing testin and apply them into their business operations and activities in order to successfully deal with these environments and excellently survive and sustain. Thus, valuable and reasonable strategies for pursuage sustainable competitive advantage and achieving best performance are needed. These stategic ocan occur in any activity, operation or function of organizations, such as marketing, production resource, finance, and accounting. In this study, strategic management accounting is one of the valuable and reasonable strategies and it becomes a key determinant of driving firm (competitiveness, performance and success. Firms have utilized it to help compete the rigorous coefficient markets and environments. Also, strategic management accounting is the provision and was of financial data and information about a business and its competitors' costs and cost wrucking for use in developing and monitoring the business strategies and those of its competitors in these expironments and situations over a number of periods (McManus and Guilding, 2008). Successfully implementing strategic management accounting explicitly encourages firms to gain superior business performance. While strategic management accounting contains several useful methods and approaches, only customer accounting is empirically investigated in this study. Customer accounting represent a particular set of practices within an accounting subset of strategic management accounting. It becomes the challenge of developing new approaches by integrating the marketing-accounting interface in a changed business landscape (Kraus, Hakansson, and Lind, 2015). Thus, customer accounting plays a significant role in assuming more strategic orientation and driving firms' performance.

Customer accounting is defined as the process of identifying, measuring, communicating, and reporting economic information as profit, recent value of earnings relating to a customer or customer group (Guilding and McManus, 2002). It consists of individual customer profit analysis, customer segment profit analysis, lifelime sustomer profit analysis, and valuations of customers as assets. It provides financial data an armation to support the critical relationship between customers and profitability. In the hotel businesses, customer accounting plays an important strategic tool in determining firm performance expecially marketing performance (McManus, 2013). Accordingly, firms with more successful custome accounting implementation tend to achieve greater firm performance. Likewise, customer accounting ocuses on the financial measurement relating to customers and their characteristics and be avers (Inglis, 2008). It presents the costing of product attributes that create value for customers all provide information for objectively making decisions considering a firm's competitiveness and profit position. Thus, firms have paid an attention on how they spend their investments to tare ted customers. Moreover, customer accounting explicitly leads to sustainable competitive advantage and superior financial returns via more efficient use of resources and increased value for costomers (Holm, Kumar, and Plenborg, 2016). Firms are likely to implement customer order to gain their great performance. Here, customer accounting consists of three

Evidence from Hotel Businesses in Thailand

dimensions, including customer profitability analysis, customer lifetime value and customer asset management (Cadez and Guilding, 2008). These dimensions are main constructs of customer accounting in explaining firm performance. Then, customer accounting is a valuable source of sustainable curretitive advantage that explicitly generates superior financial performance. Hence, the relationships between customer accounting and firm performance are investigated in this study.

Interestingly, this study aims at examining the effects of customer accounting on far peny floosce of hotel businesses in Thailand through customer relationship, customer response, customer atisfaction, and customer acceptance as mediating of the study. Customer accounting includes customer profitability analysis, customer lifetime value and customer asset management. The key research question is how customer accounting is related to firm performance. The specific research question are: (1) How does customer accounting affect customer relationship and firm performance? (2) How does customer relationship lead to customer response, customer satisfaction and customer acceptance? (3) How does customer response influence customer satisfaction, customer acceptance and firm performance? (4) How does customer satisfaction impact firm performance? and (5) How does customer acceptance enhance firm performance? The remainder of this study presents literature reviews, hypotheses development, research methods, results and discussions of the study, and contributions, suggestions for future research, and conclusion of the study.

2. CUSTOMER ACCOUNTING AND HYPOTHESES DEVELOPMENT

Customer accounting has become acquable approach of strategic performance measurement that enhances firms to achieve sustained competitive advantage and gain superior organizational performance. In this study, dynamic cloability theory is applied to explain the relationships between customer accounting its consequences. According to Teece, Pisano and Shuen (1997)'s a study, theory of dynamic capability focuses on an important source of firms' competitive advantage and performance as their capabilities. These capabilities create, adapt, combine, integrate, and reconfigure skills, resources and abilities to renew competincie to achieve congruence with changing environments. Here, customer accounting as one source of hims' capabilities is valuable, rare, non-imitate, and non-substitute. It is a main determinant of anxing customer relationship, customer response, customer satisfaction, customer acceptance, and firm be for nance. Thus, this study attempts to empirically investigate the aforementioned research relation hips in the research model, customer accounting includes customer profitability analysis, customer lifetime value and customer asset management, and its consequences consist of customer relationship, customer response, customer satisfaction, customer acceptance, and firm performance. Figure 1 shows the conceptual model of the customer accounting-firm performance relationships is follows.

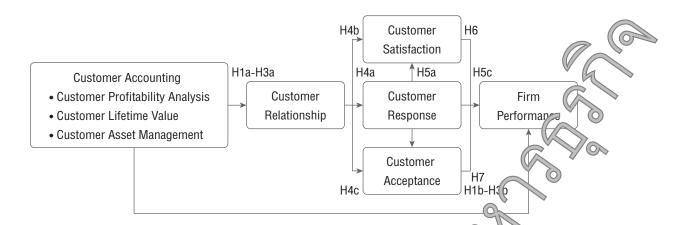


Figure 1: The Relationship Model between Customer Accounting and ts Consequences

Customer Profitability Analysis

As mentioned earlier, customer profitability analysis is a key component of customer accounting (Tanima and Bates, 2015) and it is defined as the allocation of revenues and costs to customer segments or individual customers which the profitability of those segments and/or customers can be calculated (Raaij, Vernooij, and Triest, 2003). Firms implement the curcome profitability analysis in order to cover opportunities for targeted cost management and profit improvement programs, provide a basis for well-informed pricing decisions, bonus plans and discounts to customers, and open up possibilities for segmentation and target strategies based on cold and profitability. Moreover, customer profitability analysis requires resource allocation decisions in the benefits and the costs of customer acquisition, customer retention and customer interaction (Reinartz, Thomas, and Kumar, 2005). It provides information about the profitability of an individual customer or a group of customers that contributes to firms' financial performance. It is considered to build and nurture profitable relationships with customers. Accordingly, customer profitability analysis becomes a main strategic tool in helping firms build customer relationship and gain sustainable competitiveness and good performance.

Generally, firms need to have a large group of long-term customers because those customers are more willing to pay premium prices for the costs and risks of switching and accept new products through cross-selling (Mark, Alipp), and Dawar, 2012). Firms can generate long-term relationships with customers. Thus, customer profitability analysis enhances firms to create their long-term customers. Also, customer profit bind, analysis is a technique which assesses the profit yield from market segments by primarily providing management with information that enhances long-term yield decisions (Noone and Griffin, 1999). It examines revenues, costs and profit by individual customer or customer group. It promotes long term customer-related decisions and creates the greatest returns. Moreover, customer profitability analysis includes the development of reliable customer revenue and customer cost figures, the condition of future downstream costs of customers, the incorporation of multiple periods into

Evidence from Hotel Businesses in Thailand

the analysis, and the recognition of different drivers of customer costs (Jacobs, Johnston, and Kotchetova 2001). It helps firms pinpoint the contribution of each customer to overall profitability. Hence, profitability analysis is likely to affect firms' more customer relationship and superior firm performance. Therefore, the research hypotheses are as follows:

H1a: The greater the customer profitability analysis is, the more likely firms will conver more customer relationship.

H1b: The greater the customer profitability analysis is, the more likely firm which achieve better firm performance.

Customer Lifetime Value

Customer lifetime value represents a potential method that enhances is mis to gain and increase long-term performance, success, survival, and sustainability and it is preprinted timension of customer accounting. It is a metric for selecting customers and designing proceeding programs and is the present value of the future profit stream expected over a lifetime of transacting with the customers (Haenlein, Kaplan, and Schoder, 2006). Thus, firms with customer lifetime value implementation attempts to serve customers as intangible long-term assets by providing us for strategies in order to deal with customer relationship and receive best performance. Similarly sustomer lifetime value is defined as the net present value of all profits derived from the customers (Dreze and Bonfrer, 2009). It is constructed using customer retention rate, revenue per customer, gross margin per transaction or period, remarketing costs, hurdle rate, and discount rate of money. Accordingly, customer acquisition, customer selection, campaign management, customer retention afforts, cross-selling efforts, and resource allocation are applied to use customer lifetime value is measurement facing with the highly competitive environments. Also, customer lifetime value refers to the value of a customer relationship over the course of the relationship lifetime (Ryals, 2008). It is the total lifetime value of a firm's customer base. Then, customer lifetime value is important to predict the firm's long-term performance.

Customer lifetime value in ans the net present value of the future cash flows attributing to the customer relationship certified lifetime of the relationship (Andon and Baxter, 2011). It involves estimating the revenues and costs over a life-cycle of a customer relationship. It outstanding plays a critical role in identifying the most profitable customers to the firm. Successful customer lifetime value implementation has a positive impact on a great customer relationship and a superior business performance. Firm is with customer lifetime value are likely to create customer relationship efficiently and build their performance effectively. Hence, customer lifetime value is attempted to force a customer level metric in order to focus on target profitable customers and optimize marketing resources. It is considered as the best metric to manage profitability from lifetime customers through customer relationship in the long run. Accordingly, customer lifetime value positively affects firms' building

customer relationship and influences their increased performance in the competitive markets and environments. Therefore, the research hypotheses are as follows:

H2a: The greater the customer lifetime value is, the more likely firms will achieve more curtomer relationship.

H2b: The greater the customer lifetime value is, the more likely firms will achieve better firm performance.

Customer Asset Management

Customer asset management is the third dimension of customer accounting and it refers to a comprehensive approach that is concerned with managing customer relationship as assets in order to maximize customer equity through the value sum of a firm's current and pote tial customers (Persson, 2011). It emphasizes the creation of a comprehensive dynamic curroner catabase, the segmentation of the customer base into homogeneous groups, the forecasting customer catabase, the segmentation of the allocation of resources to maximize the value of the customer base (Berger et al., 2002). With potentially managing customer assets, firms can explicitly expressions—term profit and shareholder value and continuously increase market share and profit bility. Thus, customer asset management becomes a key driver of determining customer relationship and firm performance. Likewise, customer asset management is defined as the value and risk dimensions of the managing customer activities (Senn, Thoma, and Yip, 2013). It focuses on an ibility of firms to coordinate value creation and risk management activities relating to customers Firms need to provide complementary resources as knowhow and financial means and governing mechanism as engagement, performance indicators and accountabilities to support those activities.

In the existing literature, customers are important intangible assets of a firm that should be valued and managed (Gupta and Come.n, 2003). Treating customers as assets potentially generates future profits through investment and business actions in the competitive markets. For business activities with customer accounting, firm at actively manage their customer base by protecting and nurturing profitable customers and profitable customers by creating profitability or ultimately out of an organization (Sherrell and Collier, 2008). Firms attempt to identify individual capitalized customer (alue) of the expected future net cash flows that accrue to them from those customers. Then, customer accounting explicitly focuses on relationship-building efforts on the most valuable customers. Acso, customer accounting refers to the present value of the expected revenues less the cost from a particular customer (Nenonen and Storbacka, 2016). It deals with increasing revenue from customers decreasing customer-related costs, optimizing asset utilization, and reducing customer-related (sks.) hus, customer accounting is important to positively support firms' customer relationship and pen armance. Therefore, the research hypotheses are as follows:

Evidence from Hotel Businesses in Thailand

H3a: The greater the customer asset management is, the more likely firms will achieve more customer relationship.

H3b. The greater the customer asset management is, the more likely firms will achieve tetter firm performance.

Customer Relationship

Customer relationship is an important outcome of customer accounting via customer profitability analysis, customer lifetime value and customer asset management. It is a combination of business processes that allows firms to better understand different aspects of their Ostoners (Kuo, 2011). It implies continually learning about the customers. More customer relationship about the value to an organization through customer response, customer satisfaction and customer acceptance. Likewise, customer relationship plays a significant role in creating value for organizations. It explicitly leads to an increase in customer understanding that links to the basis for customer portfolio-based managerial actions on the strategic performance of customers and adjusting the service accordingly (Salojarvi et al., 2015). Firms with great customer relationship can provide stainable competitive advantage and increase customer-based profit performance. To compete the valatile markets, customer relationship enables firms to create competitive opportunities, strengt en heir competitive advantage and enhance customer satisfaction. They tend to have more mind set, ralues and orientation toward the exchange relationship before and after the sale. Lastly, commer relationship is the process for achieving a continuing dialogue with customers across all available touch points to offer them customer treatment based on their expected response and provide the contribution from each customer to overall maximized performance (Chahal and Kumari, 2011). It requires continuous adjustments to the service offerings to meet the changing needs of customer. Thus, customer relationship is positively related to customer response, customer satisfaction and customer acceptance. Therefore, the research hypotheses are as follows:

H4a: The greater the customer relationship is, the more likely firms will achieve more customer response.

H4b: The greater the costomer relationship is, the more likely firms will achieve more customer satisfaction.

H4c: The rester the customer relationship is, the more likely firms will achieve more customer acceptance.

Customer Response

Potentially respond to customer needs becomes a main goal of firms' doing business in the rigorous environments. Customer response is the antecedent of determining and increasing their performance. It is a firm's competence in serving and fulfilling customer needs through effective and quick actions (Jayachandran, Hewett, and Kaufman, 2004). It is a key influence on firms' be formance. Firms have attempted to importantly respond to customer needs for the long-term postain pion of their competitive advantage. Also, customer response is the ability of firms to satisfy their orustomers' needs (Yeoh et al., 2014). Firms with customer response capability can achieve more loyal and sustainable customer base and improve their profitability and performance via a stomer response expertise and speed. Moreover, customer response refers to the extern compiler in its increasingly critical for created market opportunities and sustained success. Thus, the strength and advantage of quick and potential responses encourage firms to gain customer satisfaction and customer productivity and promote firms' performance, survival and sustainability better in the rapidly changing but less environments. Therefore, the research hypotheses are as follows.

H5a: The greater the customer response is, the more violy firms will achieve more customer satisfaction.

H5b: The greater the customer response is, the more likely firms will achieve more customer acceptance.

H5c: The greater the customer response is the more likely firms will achieve better firm performance.

Customer Satisfaction

Significantly, customer satisfaction has a positive influence on firm performance and it is defined as an experience-based assessment made by the customers with their own expectations about characteristics of the overall functionally of fulfilled product purchase and services (Calvo-Porral and Levy-Mangin, 2015). It can be applemented to evaluate their overall purchase experiences and predict customers' post-purchase behaviors. More customer satisfaction tends to affect firms' achieving greater performance in the formative markets. Also, customer satisfaction is a comparison between customers' expectations of poolicity or services and their perceptions of those products' or services' performance (Haumann et al., 2014). The lowest gap of the comparison can build more satisfactions of the customers. Hence, firms feel to work very hard, efficiently and effectively in order to create their customers' satisfaction and gain superior performance. Besides, customer satisfaction is an evaluation based on a comparison between customers' experiences and their initial expectations (Xu and Li, 2016). It plays a important role in enhancing customers' demands and improving firms' performance and profitability.

Evidence from Hotel Businesses in Thailand

It becomes a business philosophy that highlights the importance of creating value for customers anticipating and managing their expectations and demonstrating the ability and responsibility to satisfy their needs (Radojevic, Stanisic, and Stanic, 2015). Thus, customer satisfaction is positively with firm performance. Therefore, the research hypothesis is as follows.

H6: The greater the customer satisfaction is, the more likely firms will achieve the firm performance.

Customer Acceptance

The last consequence of customer relationship, customer acceptance of inficant to drive and determine firms' performance and success in the highly competitive market, and environments. More customer acceptance is likely to encourage firms to have greater customer participation, customer credibility and customer loyalty. Then, customer acceptance is a prince leterminant of financial and non-financial performance in the competitive markets. Furthermore to acceptance of customers in business operations, actions and activities enhances firms to second survive and sustain. Customer acceptance is a key factor in driving firms' performance and represents the strength of a customer's intention to perform a specified behavior through committing engagement and association toward products and services of firms (Sultan, Rohm, and Gao, 2007). Sincludes perceived usefulness, perceived ease of use, trust, and intention to use relating to fems products and services in the markets. Firms with greater customer acceptance tend to provide more competitive advantage, enhance better performance and profitability and support outstanding survival and sustainability. Thus, customer acceptance has a positive influence on firm performance in the turbulent business situations and circumstances. Therefore, the research hypothesis is as follows.

H7: The greater the customer acceptance is, the more likely firms will achieve better firm performance.

3. RESEARCH METHOD

Data Collection

Data collection was conducted in Thailand. Hotel businesses in Thailand were selected as samples of the study because these businesses have grown very fast and they play significant roles in driving the growth of economy in Thailand. Then, the well understanding of their customers is likely to become a main success factor of business operations in the competitive markets and environments. Also, this study implemented a questionnaire survey as the research tool. The questionnaire surveys via mail procedures were sent to 995 hotel businesses in Thailand by using accounting executives as the key formants. In a mailing process, 93 surveys were undeliverable because some listed firms had

moved to unknown locations. Deducting the undeliverable mailing, the valid mailing was 902 surveys from which 197 responses were received. Of the surveys completed and returned, there are 183 usable questionnaires that are empirically utilized to measure validation of the research tool and to analyze data for the research results. The effective response rate was approximately 20.29% which is considered acceptable for the response rate for a mail survey because it is greater than 20% (Aaker, Furnaciand Day, 2001).

To examine potential and non-response bias and detect and consider possible problems with non-response errors, there are two different procedures namely comparison of sample statistics and known values of the population, such as firm age, firm size and firm capital, and comparison of the first, the second and the third wave data as recommended by Armstrong and evertor (1977) to evaluate the non-response-bias. Here, neither procedure explicitly showed significant differences.

Measures

All constructs were measured using a 5-point Likert scale (1) strongly disagree to 5 = strongly agree), except firm age, firm size and firm capital. For testing the research relationships in this study, item scales of customer profitability analysis, customer lifeling value, customer asset management, customer relationship, customer response, customer vision, customer acceptance, and firm performance are presented. Here, customer profitability and visis is the allocation of revenues and costs to customer segments or individual customers which the profitability of those segments and/or customers can be calculated (Raaij, Vernooij, and Triest, 2003). Four-item scale was developed to assess how firms provide the development of reliable customer evenue and customer cost figures, the recognition of future downstream costs of customers, the incorporation of multiple periods into the analysis, and the recognition of different drivers of costs. Also, customer lifetime value is the net present value of the future cash flows attributing to the customer relationship over the lifetime of the relationship (Andon and Baxter, 20 printing relationship (Andon and Baxter, 20 printing relationship). the revenues and costs over a life-cycle of a customer relationship. Moreover, customer asset management is concerned with managing customer relationships as assets in order to maximize customer equity through the value a firm's current and potential customers (Persson, 2011). Four-item scale was established to me so be how firms identify the creation of a comprehensive dynamic customer database, the segmen ation of the customer base into homogeneous groups, the forecasting customer value for the various syments, and the allocation of resources to maximize the value of the customer base.

For the issequences of customer accounting, customer relationship is firstly the process for achieving continuing dialogue with customers across all available touch points to offer them customer treatment based on their expected response and provide the contribution from each customer to

Evidence from Hotel Businesses in Thailand

overall maximized performance (Chahal and Kumari, 2011). Four-item scale was initialed to gauge how firms provide continuous adjustments to the service offerings to meet the changing needs of customers. Secondly, customer response is a firm's competence in serving and fulfilling customer need. effective and quick actions (Jayachandran, Hewett, and Kaufman, 2004). Four-item scale was included to assess how firms respond to customer needs for the long-term sustainability of their completive advantage. Thirdly, customer satisfaction is an experience-based assessment made by the customers with their own expectations about characteristics of overall functions in fulfilling product purchase and services (Calvo-Porral and Levy-Mangin, 2015). Four-item scale was presented to investigate how firms evaluate their overall purchase experiences and predict customers' post-purcha@ behaviors. Fourthly, customer acceptance is the strength of a customer's intention to perform a swift d behavior through commitment, engagement and association toward products and services of men (Sultan, Rohm, and Gao, 2009). Four-item scale was developed to examine how firms achieve per gived usefulness, perceived ease of use, trust, and intention to use firms' products and services in the markets. Lastly, firm performance is the outcome of efficiently and effectively managing files trategies, operations, activities, and actions. Four-item scale was introduced to assess how firms (ain acreased sales and market shares, goal achievements, organizational developments, and surviva and sustainability.

To investigate the relationships between customer accounting and firm performance, control variables in this study are tested, which include firm see, on size and firm capital as the control variables of the study. Firm age was measured by the number of years a firm has been in existence. Next, firm size was measured by the number of employees in a firm. Finally, firm capital was measured by the amount of money a firm has invested in doing business.

Research Instrument Tests

To verify a quality of the research tool in this study, factor analysis, item-total correlation and cronbach alpha are implemented. The study, factor analysis was utilized to measure the underlying relationships of a large number of items and to determine whether they can be reduced to a smaller set of factors. A higher rule-or-tho sb, a cut-off value of 0.40, was adopted (Nunnally and Bernstein, 1994). All factor loadings a greater than the 0.40 cut-off and are statistically significant. Secondly, discriminant power was used to evaluate the validity of the measurements by item-total correlation. In the scale validity, fem-total correlation is greater than 0.30 (Churchill, 1979). Lastly, the reliability of the measurements was assessed by Cronbach alpha coefficients. In the scale reliability, Cronbach alpha coefficients are greater than 0.70 (Nunnally and Bernstein, 1994). Hence, the scales of all measures appear to produce internally consistent results and these measures are deemed appropriate for further analysis as shown in Table 1.

To empirically examine the research relationships, the ordinary least squares (OLS) multiple regression analysis is conducted because all variables in this study were neither nominal data categorical data (Chan and Mak, 2012). The results of this study are presented in the next economic

Table 1: Results of Measure Validation

Items	Factor Loadings	Item-Total Correlation	Croyle [®] Alpha
Customer profitability analysis (CPA)	0.70-0.83	0.74-0.8	0.78
Customer lifetime value (CLV)	0.79-0.82	0.78-0.82	0.81
Customer asset management (CAM)	0.81-0.87	1.50-0.87	0.87
Customer relationship (CRS)	0.74-0.88	75-0.87	0.81
Customer response (CRP)	0.79-0.85	9-0.86	0.85
Customer satisfaction (CSF)	0.82-0.88	0.83-0.87	0.86
Customer acceptance CAP)	0.86-0.91	0.87-0.91	0.91
Firm performance (FPM)	(87-0.85	0.82-0.85	0.86

4. RESULTS AND DISCUSSION

 Table 2: Descriptive Statistics and Correlation Matrix

				< <tr> ✓</tr>				
Variables	CPA	CLV	CAN	€RS	CRP	CSF	CAP	FPM
Mean	4.34	4.19	18	4.33	4.15	4.17	4.01	4.03
s.d.	0.48	0.57	0.48	0.49	0.54	0.56	0.63	0.59
CPA		, C	9					
CLV	0.66***							
CAM	0.61***	0. ***						
CRS	0.52***	0.4B***	0.60***					
CRP	0.48* **	0.42***	0.57***	0.59***				
CSF	C-14**	0.38***	0.49***	0.48***	0.73***			
CAP	0.13***	0.37***	0.41***	0.44***	0.75***	0.79***		
FPM	0.40***	0.34***	0.38***	0.42***	0.62***	0.61***	0.69***	
	V							

Evidence from Hotel Businesses in Thailand

Table 2 shows the descriptive statistics and correlation matrix for all variables. In this study the range of mean scores for all constructs is 4.01–4.48. Especially, the mean scores for all dimensions of customer accounting, namely customer profitability analysis, customer lifetime value and curroms asset management are high, which are 4.34, 4.19 and 4.48 respectively. Accordingly, hotel businesses in Thailand explicitly recognize the importance of customer accounting. Also, a standard deviation of customer accounting through customer profitability analysis, customer lifetime value and continue asset management is equal to 0.48–0.57. In addition, customer relationship, customer response, customer satisfaction, customer acceptance, and firm performance are main outcomes of customer accounting. The mean scores of these outcomes are 4.33, 4.15, 4.17, 4.01, and 4.03 respectives while their standard deviation values are 0.49-0.63. They present the high levels of customer accounting is consequences from hotel businesses in Thailand.

Interestingly, multicollinearity might occur when inter-correlation in each predict variable is more than 0.80, which is a high relationship (Hair et al., 2010). The correlations ranging from 0.34 to 0.79 at the p < 0.05 level, which means that the possible relationships of the variables in the conceptual model could be tested. Likewise, variance inflation factors (VIFs) were used to provide information on the extent to which non-orthogonality among independent (a mass inflates standard errors. The VIFs range from 1.06 to 4.26, well below the cut-off value (100 as recommended by Neter, Wasserman, and Kutner (1985), means that the independent variables as not correlated with each other. Thus, there are no substantial multicollinearity problems encountered in this study.

Table 3: Results of OLS Multiple Regression Analysisa

Independent	Dependent Variables							
Variables	CRS	FPM	CRP	CSF	CAP	CSF	CAP	FPM
CPA	0.22***	0.19**						
	(0.08)	(0.10)						
CLV	0.03	920						
	(0.08)	(0.00)						
CAM	0.43***	0.9**						
	(208)	(0.09)						
CRS			0.57***	0.45***	0.41***			
			(0.06)	(0.07)	(0.07)			
CRP						0.82***	0.73***	0.20**
						(0.04)	(0.05)	(0.10)

Independent Variables		Dependent Variables						
	CRS	FPM	CRP	CSF	CAP	CSF	CAP	FIFU
CSF								Ø.1**
								(011)
CAP								0.48*
								(0.09)
FA	-0.03	-0.05	-0.31	0.14	-0.04	0.04	1002	-0.03
	(0.06)	(0.07)	(0.06)	(0.06)	(0.07)	(B.O.4)	(0.05)	(0.05)
FS	0.04	-0.10	0.02	-0.02	-0.07	-0.0	-0.08	-0.10
	(0.12)	(0.14)	(0.13)	(0.14)	(0.14)	(0.29)	(0.10)	(0.11)
FC	0.06	0.12	0.07	0.14**	0.15**	0.08	0.10	0.06
	(0.07)	(80.0)	(0.07)	(0.07)	(0.07)	(0.05)	(0.05)	(0.06)
Adjusted R ²	0.38	0.18	0.34	0.26	(1,20	0.67	0.57	0.49

Table 3: Results of OLS Multiple Regression Analysisa (Cont.)

Table 3 presents the results of OLS multiple egression analysis of the customer accountingfirm performance relationships. Customer profitability analysis has an important positive influence on customer relationship (b = 0.22, p = 0.01) and firm performance (b = 0.19, p < 0.05). In the existing literature, customer profitability analysis plays a key-cle of determining customer relationship and firm performance. It provides information about the profitability of an individual customer or a group of customers that contributes to firms' financial performand builds and nurtures profitable relationships with customers (Reinartz, Thomas, and Kumar, 2005). Firms with successful customer profitability analysis implementation can explicitly promote their customer relationship and performance. Therefore, Hypotheses 1a-1b are supported. Likewise, customer et management is positively related to customer relationship and firm performance. It has a significant effect on customer relationship (b = 0.43, p < 0.01) and firm performance (b = 0.19, p < 0.05). It focuses on an ability of firms to coordinate value creation and risk management activities relating to customers (Senn, Thoma & Yip, 2013). Firms critically provide the complementary assources as know-how and financial means and governing mechanism as engagement, performance indicators and accountabilities to support those activities. Therefore, Hypotheses 3a-3b are supported. Surprisingly, customer lifetime value has no relationship with customer relationship (b = 0.03 p < 0.71) and firm performance (b = 0.08, p < 0.41). With the highly competitive markets and

^{*} p < .10, ** p < .05, *** p < .01, a Beta coefficients with stardard errors in parenthesis.

Evidence from Hotel Businesses in Thailand

environments, customer lifetime value encourages firms to serve customers as intangible long-term assets by providing useful strategies in order to deal with customer relationship and receive bases performance through evaluating the net present value of all profits derived from the customer's orea and Bonfrer, 2009). It is the total lifetime value of a firm's customer base. While customer lifetime value has definitely focused on the long-term customers, both customer profitability analysis and customer asset management also emphasize the customers as long-term assets and valuer. Who in the short-term aspects, customer lifetime value may not build effective customer relationship and great performance. Thus, the customer profitability analysis and customer asset management positively impact firms' customer relationship and performance, but customer lifetime value opes not. Therefore, Hypotheses 2a-2b are not supported.

For the consequences of customer accounting, customer relationship positively interacted with customer response (b = 0.57, p < 0.01), customer satisfaction (b = 0.45, p < 0.01) and customer acceptance (b = 0.41, p < 0.01). It increases customer understanding m link to the basis for customer portfolio-based managerial actions on the strategic performance of customers and adjusting the service accordingly (Salojarvi et al., 2015). It enables firms to create competitive opportunities, strengthen their competitive advantage and enhance customer satisfaction. The early, Hypotheses 4a-4c are supported. Also, customer response has a critically positive impact on customer satisfaction (b = 0.82, p < 0.01), customer acceptance (b = 0.73, p < 0.01) and firm performable (b = 0.20, p < 0.05). To compete the volatile markets, customer response is the competence of firms in serving and fulfilling customer needs through effective and quick actions (Jayachandran, Hoyett, and Kaufman, 2004). Firms with greater customer response can achieve more loyal and sustainable customer base and improve their better profitability and performance via customer conso expertise and speed. Therefore, Hypotheses 5a-5c are supported. Moreover, customer satisfaction is importantly connected with firm performance (b = 0.18, p < 0.10). Consistently, customer satisfiction represents an experience-based assessment made by the customers with their own expectations about characteristics of the overall functionally of fulfilled product purchase and services (Calvo-Porral and Levy-Mangin, 2015). It outstandingly affects their overall purchase experiences and prect customers' post-purchase behaviors. Firms with more customer satisfaction can greater perform in the competitive markets. Therefore, Hypothesis 6 is supported. Lastly, customer acceptance has a cytical positive relationship with firm performance (b = 0.48, p < 0.01). It presents the strength accustomer's intention to perform a specified behavior through commitment, engagement and a column toward products and services of firms (Sultan, Rohm, and Gao, 2009). It helps firm gain perceived usefulness, perceived ease of use, trust, and intention to use relating to firms' products and services in the markets. Therefore, Hypothesis 7 is supported.

5. CONTRINUTIONS AND DIRECTIONS FOR FUTURE RESEARCH

Theoretical Contribution and Directions for Future Research

This study empirically confirms that both customer profitability analysis and cuttoms asset management are the key dimensions of customer accounting, which is consistent (i) the existing theory and literature, especially dynamic capability theory. They could play important the existing good business outcomes. However, only customer lifetime value has no effection its consequences. To increase and expand the research results, future research may need to explicitly search for more literature in order to reconceptualize the relationship model and explain before why customer lifetime value does not play any role in determining its outcomes. Furthermore, inture research may need to collect more data and/or larger sample group for potentially enhancing and encouraging the research results and collect data from different samples in order to build in generalizability of this study. Likewise, future research may apply either partial least squared in (S) or structural equation model (SEM) to test the research relationships in order to verify the present results and add the contributions of the study.

Managerial Contribution

Using the benefits from this study, firms' executives need to be aware of how to implement, apply and utilize customer accounting for creating customer performance, initialing competitive advantage, promoting profitability, and enabling stability survival and sustainability in the highly and rigorously competitive markets and environments. Adordingly, they need to pay more attention to the valuable allocation of their resources, assets and scategies for customer accounting because more successful customer accounting implementation definitely affects their greater sustainable competitiveness and better long-term performance. Thus firms could use customer accounting as a strategic tool in order to gain sustain competitive advantage and achieve superior performance. Hence, customer accounting becomes a strategic valuable approach and tool that helps firms succeed in the competitive situations and circumstances in current, ituation and in the future.

6. CONCLUSION

Custome: accounting explicitly integrates concepts from accounting and marketing disciplines in both academicians and practitioners. It has become a strategic valuable approach for enabling firms to gain connective advantage and superior performance and for achieving their goals, survival and sustainal lility. Thus, this study has attempted to investigate the effects of customer accounting on firm performance of hotel businesses in Thailand. Customer accounting includes customer profitability

Evidence from Hotel Businesses in Thailand

analysis, customer lifetime value and customer asset management, and its consequences consist of customer relationship, customer response, customer satisfaction, customer acceptance, and film performance. Accordingly, 183 hotel businesses in Thailand are the samples of the study. With the empirical research results, both customer profitability analysis and customer asset management play significant positive roles in driving and determining customer relationship and firm performance only customer lifetime value does not. For the relationships among customer relationship, customer acceptance, customer satisfaction, customer acceptance, and firm performance, the results pinpoint that there are important positive relationships among those variables in the research model. Thus, customer accounting is key to enhance firms to succeed, survival and sustain in the current situation and in the future. To explicitly verify the customer accounting-firm performance relationships flower research needs to reconceptualize customer accounting and its consequences and collect work first and/or larger number of samples and different samples in order to increase and expand the senents and advantages of customer accounting and it relationships.



REFERENCES

- Aaker, D. A., Kumar, V., & Day, G. S. (2001). Marketing Research, John Wiley and Sons, New
- Andon, P. & Baxter, J. (2011). Introducing and contextualizing customer lifetime valuation: a management accounting teaching resource. *Accounting Education: An International Journal*, 20(1), 39
- Armstrong, J. S. & Overton, T. S. (1977). Estimating non-response bias in mail survey *Journal of Marketing Research*, *14*(3), 396–402.
- Berger, P. D., Bolton, R. N., Bowman, D., Briggs, E., Kumar, V., Parasuraman, A., & Trry, C. (2002). Marketing actions and the value of customer asset: a framework for customer asset management. *Journal of Service Research, 5*, 39–54.
- Calvo-Porral, C. & Levy-Mangin, J. (2015). Switching behavior and customer catisfacion in mobile services: analyzing virtual and traditional operators. *Computers in Human Polavio* 49, 532–540.
- Cadez, S. & Guilding, C. (2008). An exploratory investigation of artifegrated contingency model of strategic management accounting. *Accounting, Organization, and Society, 33*, 836–863.
- Chahal, H. & Kumari, N. (2011). Evaluating customer relations to tynamics in healthcare sector through indoor patients' judgment. *Management Research Review*, 21(6), 626–648.
- Chan, S. C. H. & Mak, W. (2012). Benevolent leadership and Ollower performance: the mediating role of leader-member exchange (LMX). *Asia-Pacific Journal of Management*, 29, 285–301.
- Chiang, A., Chen, W. & Wu, S. (2015). Does high sopp chain integration enhance customer response speed?". *The Service Industries Journal*, 35(1–2), 24–43.
- Churchill, G.A., Jr. (1979). A paradigm for eveloping better measures of marketing constructs. *Journal of Marketing Research*, 16(Februar 7, 4–13.
- Dreze, X. & Bonfrer, A. (2009). Morning from customer lifetime value to customer equity. *Quantitative Marketing and Economics*, 7, 239–320.
- Guilding, C. & McManus, L. The incidence, perceived merit and antecedents of customer accounting: an exploratory e. *Accounting, Organizations and Society, 27*, 45–59.
- Gupta, S. & Lehmann, D. R. (2)03). Customers as assets. Journal of Interactive Marketing, 17(1), 9–24.
- Haenlein, M., Kapla, A. W., & Schoder, D. (2006). Valuing the real option of abandoning unprofitable customers when calculating customer lifetime value. *Journal of Marketing*, 70(July), 5–20.
- Haumann, T., Quise, B., Wieseke, J., & Rese, M. (2014). Footprints in the sands of time: a comparative analysic of the effectiveness of customer satisfaction and customer-company identification over time. *Journal of Marketing*, 78(November), 78–102.

Evidence from Hotel Businesses in Thailand

- Holm, M., Kumar, V., & Plenborg, T. (2016). An investigation of customer accounting systems as a source of sustainable competitive advantage. *Advances in Accounting, incorporating Advances International Accounting, 32*, 18–30.
- Inglis, R.M. (2008). Exploring accounting and market orientation: an interfunctional case studing of Marketing Management, 24(7–8), 687–710.
- Jacobs, F. A., Johnston, W., & Kotchetova, N. (2001). Customer profitability: prospective retrospective approaches in a business-to-business setting. *Industrial Marketing Management* 30, 30–363.
- Jayachandran, S., Hewett, K., & Kaufman, P. (2004). Customer response capability io sense-and-response era: the role of customer knowledge process. *Journal of the Academy of October Science*, *32*(3), 219–233.
- Kraus, K., Hakansson, H., & Lind, J. (2015). The marketing-accounting interface problems and opportunities. *Industrial Marketing Management*, 46, 3–10.
- Kuo, T. (2011). The antecedents of customer relationship in e-transing adustry. *Journal of Computer Information Systems*, *51*(3), 57–66.
- Mark, T., Niraj, R., & Dawar, N. (2012). Uncovering customer profibility segments for business customers. Journal of Business-to-Business Marketing, 19, 1–32.
- McManus, L. (2013). Customer accounting and marketing performance measures in the hotel industry: evidence from Australia. *International Journal of Spitality Management, 33*, 140–152.
- ______, & Guilding, C. (2008). Exploring the potential of customer accounting: a synthesis of the accounting and marketing literatures. *Journal of Marketing Management, 24*(7–8), 771–795.
- Nunnally, J. C. & Bernstein, I. H. (1994) Sycometric Theory, McGraw-Hill, New York.
- Nenonen, S., & Storbacka, K. (2016). Sing shareholder value with customer asset management: moving beyond customer lifetime value. *Industrial Marketing Management, 52*, 140–150.
- Noone, B., & Griffin, P. (1999) maging the long-term profit yield from market segments in a hotel environment: a case stud on the implementation of customer profitability analysis. *International Journal of Hospitality Nanugement, 18*, 111–128.
- Persson, A. (2011) The management of customer relationship as assets in the retail banking sector. Journal of Strates Marketing, 19(1), 105–119.
- Raaij, E. M. V., Verooij, M. J. A., & Triest, S. V. (2003). The implementation of customer profitability analysis: estudy. *Industrial Marketing Management*, 32, 573–583.
- Radojevi, T., Stanisic, N., & Stanic, N. (2015). Ensuring positive feedback: factors that influence customer in the contemporary hospitality industry. *Tourism Management, 51*, 13–21.

- Reinartz, W., Thomas, J.S., & Kumar, V. (2005). Balancing acquisition and retention resources to maximize customer profitability. *Journal of Marketing*, 69, 63–79.
- Ryals, L. (2008). Determining the indirect value of a customer. *Journal of Marketing Management*, 24(7–8), 847–864.
- Salojarvi, H., Rutala, P., Sainio, L., & Saarenketo, S. (2015). Synergistic effect of technology (na sustomer relationship orientations: consequences for market performance. *Journal of Busine s and Lausuial Marketing*, 30(5), 511–520.
- Senn, C., Thoma, A., & Yip, G. S. (2013). Customer-centric leadership: how to man exstrategic customers as assets in B2B markets. *California Management Review, 55*(3), 27–59.
- Sherrell, D. L., & Collier, J. E. (2008). Managing appreciating and depreciating customer assets. *Marketing Management Journal*, 18(1), 39–53.
- Sultan, F., Rohm, A. J., & Gao, T. (2009). Factors influencing consumer ecceptance of mobile marketing: a two-country study of youth markets. *Journal of Interactive Marketing*, 23, 308–320.
- Tanima, F. A. & Bates, K. (2015). The incidence and perceived in New Zealand. *Pacifica Accounting Review, 27*(4), 466-485.
- Teece, D. J., Pisano, G., & Shuen, A. (1997). Dynamic capabilities and strategic Management. *Strategic Management Journal*, *18*(7), 509–533.
- Xu, X., & Ji, Y. (2016). The antecedents of custome sat oaction and dissatisfaction toward various types of hotels: a text mining approach. *International Journal of Hospitality Management, 55*, 57–69.
- Yeoh, P., Eshghi, A., Woolford, S. W., & Brane, G. (2014). Customer response to service recovery in online shopping. *Journal of Service* Sees sch. 14(2), 33–56.

