The Precedence of Client Loyalty: A Moderated Mediation Structure of CRM Quality and Brand Reputation

Tanapol Kortana^{1,} Kittisak Jermsittiparsert 2*

Abstract---The current paper evaluates the impact of customer relationship management quality to describe the influence of service estimation variables such as service facility, client satisfaction and client worth over client loyalty. The current study also examines the possible moderating impacts of brand reputation on the mediating associations. The mediating impact of customer relationship management quality associations among service estimation variables and client loyalty is supported. Moreover, it has been observed that the indirect impacts of client satisfaction on client loyalty through customer relationship management quality are very significant while assumed brand reputation is high while it is low. The outcomes have several implications for professionals, brand managers and researchers who rely on service estimation and association matrix to indicate client loyalty. Further the current paper theoretical model of study, literature review, hypothesis generation, outcomes, limitation, and future study, discussions and managerial implementations.

Keywords---client worth, brand reputation, CRM, client loyalty, client satisfaction.

I. Introduction

Producing a loyal client must be the primary consideration of every firm because a loyal client is the genuine value of the firm Aaker, D.A. 1996. Measuring brand equity across products and markets. California Manag. Rev. 38(3), 102-120.

- [1] Abbas, T., & Hafeez, S. (2017). Impact of CRM practices on service quality in the banking industry. *Pakistan Administrative Review*, *1*(2), 130-144.
- [2] Akrout, H., & Nagy, G. (2018). Trust and commitment within a virtual brand community: The mediating role of brand relationship quality. *Information & Management*, 55(8), 939-955.
- [3] Ali, M., & Raza, S. A. (2017). Service quality perception and customer satisfaction in Islamic banks of Pakistan: the modified SERVQUAL model. *Total Quality Management & Business Excellence*, 28(5-6), 559-577.
- [4] Awara, N. F., &Anyadighibe, J. A. (2014). The Relationship between Customer Satisfaction and Loyalty: A Study of Selected Eateries in Calabar, Cross River State. Interdisciplinary Journal of Contemporary Research in Business, 5, 110-125.
- [5] Aziz, S. A., Jusoh, M. S., & Amlus, M. H. (2018). The moderating role of technology anxiety on-brand service quality, brand image and their relation to brand loyalty. *International Journal of Internet Marketing and Advertising*, *12*(3), 270-289.
- [6] Byrne, B.M., 1998. Structural equation modeling with Lisrel, prelis, and simplis: Basic concepts, applications, and programming Lawrence Erlbaum Associates, Mahwah: NJ.
- [7] Cossío-Silva, F. J., Revilla-Camacho, M. Á., Vega-Vázquez, M., & Palacios-Florencio, B. (2016). Value cocreation and customer loyalty. *Journal of Business Research*, 69(5), 1621-1625.

¹College of Innovation and Management, Suan Sunandha Rajabhat University, Thailand E-mail: tanapol.ko@ssru.ac.th

²Social Research Institute, Chulalongkorn University, Thailand

Corresponding Author: E-mail: kittisak.j@chula.ac.th

- [8] Cronin, Jr, J.J., Taylor, S.A. 1992. Measuring service quality: are-examination and extension. J. Mark. 6, 55-68.
- [9] Fornell, C., Larcker, D.F.,1981. Evaluating structural equation models with unobserved variables and measurement error. J. Mark. Res. 18(1),39-50.
- [10] Hair, J., Joseph, F., Black, W.C., Babin, B.J., Anderson, R.E., Tatham, R.L., 2006. Multivariate Data Analysis, 6 ed. Prentice-Hall.
- [11] Jiang, H., & Zhang, Y. (2016). An investigation of service quality, customer satisfaction and loyalty in China's airline market. *Journal of air transport management*, 57, 80-88.
- [12] Kandampully, J., & Suhartanto, D. (2000). Customer loyalty in the hotel industry: The role of customer satisfaction and image. International Journal of Contemporary Hospitality Management, 12(6), 346-351.
- [13] Kant, R., & Jaiswal, D. (2017). The impact of perceived service quality dimensions on customer satisfaction. *International Journal of Bank Marketing*.
- [14] Khadka, K., & Maharjan, S. (2017). Customer satisfaction and customer loyalty. *Centria University of Applied Sciences, Business Management*.

K. Client loyalty is the most significant factor for any marketing and sales business for their growth and enhancement. There is a huge number of scholars who evaluate the importance of client loyalty consequences and reasons. The automotive industry, worldwide, faces one of its biggest challenges. In recent era clients increased their amount of demands on firms and the creation of new technologies and also the resulting operations for such firms, making competition constantly critical. So, the firms must adopt new techniques and planning to captivate clients and more significant to new techniques to gain a loyal client.

Loyalty is the most studied topic in past literary work. Past research also addresses the significance of understanding the elements that influence client loyalty. CRM mechanisms are specifically beneficial when the companies have to serve a lot of clients across several service delivery mediums, also the CRM mechanism must be seen as enabling the prosperous implication of client loyalty Kumar, V. (2018). The Relationship Between Customers Satisfaction and Customer Loyalty in the Commercial Vehicle Industry in India. *International Journal of Management and International Business Studies*, 8(1), 11-22.

- [15] Kumar, V., Pozza, I.D., Ganesh, J. 2013. Revisiting the satisfaction loyalty relationship: empirical generalizations and directions for future research. J. Retail. 89 (3), 246-262.
- [16] Lam, S.Y., Shankar, V., Erramilli, M.K., Murthy, B. 2004. Customer value, satisfaction, loyalty, and switching costs: an illustration from a business-to-business service context. J. Acad. Mark. Sci. 32(3), 293-311.
- [17] Leroi Werelds, S., Streukens, S., Brady, M.K., Swinnen, G.,2014. Assessing the value of commonly used methods for measuring customer value: a multi-setting empirical study.J.Acad.Mark.Sci.42(2),430-451.
- [18] Lim, L. G., tuli, kapil r, & Grewal, R. (2019). Customer Satisfaction and Its Impact on the Costs of Selling. SSRN Electronic Journal. doi:10.2139/ssrn.3331251
- [19] Lin, Y. H. (2015). Innovative brand experience's influence on brand equity and brand satisfaction. Journal of Business Research, 68(11), 2254-2259.
- [20] Meesala, A., & Paul, J. (2018). Service quality, consumer satisfaction and loyalty in hospitals: Thinking for the future. Journal of Retailing and Consumer Services, 40, 261-269. doi:10.1016/j.jretconser.2016.10.011
- [21] Morgan, R.M., Hunt, S.D. 1994. The commitment-trust theory of relationship marketing. J. Mark. 58,20-38.
- [22] Rahi, S. (2016). Impact of customer perceived value and customers' perception of public relation on customer loyalty with the moderating role of brand image. *The Journal of Internet Banking and Commerce*, *21*(2).
- [23] Saengchai, S., Siriattakul, P., & Jermsittiparsert, K. (2019). HR Practices, Overall Satisfaction and Employee Loyalty: Does Corporate Social Responsibility Matter in Mining firms of Indonesia?. *International Journal of Psychosocial Rehabilitation*, 23(4), 763-777.
- [24] Saleem, H., and Raja, N. S. (2014), "The impact of service quality on customer satisfaction customer loyalty", Middle-East Journal of Scientific Research, Vol. 19 No. 5, pp. 706-711.
- [25] Sweeney, J. C., Danaher, T. S., & McColl-Kennedy, J. R. (2015). Customer effort in value co-creation activities improving the quality of life and behavioral intentions of health care customers. Journal of Service Research, 18(3), 318-335.

- [26] Thaichon, P., Lobo, A., Prentice, C., Quach, T. 2014. The development of service quality dimensions for internet service providers: retaining customers of different usage patterns. J. Retail. Consum. Serv. 21(6),1047-1058.
- [27] Wang, Y., Lo, H.P., Chi, R., Yang, Y. 2004. An integrated framework for customer value and customerrelationship-management performance: a customer-based perspective from China. Manag. Serv. Qual.:Int. J. 14(2/3),169-182.

W. In acknowledgment of research understanding, the basic objective of the research is to evaluate the feasible mediator and moderator variable that generate client loyalty in the automobile sector.

The significant factors of business in the automobile unit, such as operations, services, quality, usefulness, client satisfaction, employee satisfaction, supporting efficiency and financial performance are being considered by several scholars to have complete insight and serve community extensively K. The active association with clients will influence the service provider which in result would generate client loyalty. In the recent era, the service quality from the organization is significantly required for producing client loyalty in the face of intense competition. Past studies recommend that high service quality state is inappropriate to attain client loyalty recommending that the quality of CRM is essential.

The current paper thus creates and experimentally evaluates an integrated structure that analyzes the concurrent influence of the service estimation variables which are service quality, client satisfaction, and client worth over client loyalty generated by Customer relationship management quality which is promptness and belief moderated by brand reputation.

II. Literature review

In the recent era, business firms understand that client satisfaction is the basic factor for the success of any business and simultaneously it performs a significant part to enhance the market's worth. There is a centripetal perception that service estimation factors such as service quality, client worth and client satisfaction are the basic client decisions that impact behavioral intentions. Service quality factor is important impacting client satisfaction levels Aaker, D.A. 1996. Measuring brand equity across products and markets. California Manag. Rev. 38(3), 102-120.

- [28] Abbas, T., & Hafeez, S. (2017). Impact of CRM practices on service quality in the banking industry. *Pakistan Administrative Review*, *1*(2), 130-144.
- [29] Akrout, H., & Nagy, G. (2018). Trust and commitment within a virtual brand community: The mediating role of brand relationship quality. *Information & Management*, 55(8), 939-955.
- [30] Ali, M., & Raza, S. A. (2017). Service quality perception and customer satisfaction in Islamic banks of Pakistan: the modified SERVQUAL model. *Total Quality Management & Business Excellence*, 28(5-6), 559-577.
- [31] Awara, N. F., &Anyadighibe, J. A. (2014). The Relationship between Customer Satisfaction and Loyalty: A Study of Selected Eateries in Calabar, Cross River State. Interdisciplinary Journal of Contemporary Research in Business, 5, 110-125.
- [32] Aziz, S. A., Jusoh, M. S., & Amlus, M. H. (2018). The moderating role of technology anxiety on-brand service quality, brand image and their relation to brand loyalty. *International Journal of Internet Marketing and Advertising*, *12*(3), 270-289.
- [33] Byrne, B.M., 1998. Structural equation modeling with Lisrel, prelis, and simplis: Basic concepts, applications, and programming Lawrence Erlbaum Associates, Mahwah: NJ.
- [34] Cossío-Silva, F. J., Revilla-Camacho, M. Á., Vega-Vázquez, M., & Palacios-Florencio, B. (2016). Value cocreation and customer loyalty. *Journal of Business Research*, 69(5), 1621-1625.
- [35] Cronin, Jr, J.J., Taylor, S.A. 1992. Measuring service quality: are-examination and extension. J. Mark. 6, 55-68.
- [36] Fornell, C., Larcker, D.F.,1981. Evaluating structural equation models with unobserved variables and measurement error. J. Mark. Res. 18(1),39-50.

[37] Hair, J., Joseph, F., Black, W.C., Babin, B.J., Anderson, R.E., Tatham, R.L., 2006. Multivariate Data Analysis, 6 ed. Prentice-Hall.
 Ji.

Typically, client loyalty is behavioral whereas client satisfaction is an attitude Kandampully, J., & Suhartanto, D. (2000). Customer loyalty in the hotel industry: The role of customer satisfaction and image. International Journal of Contemporary Hospitality Management, 12(6), 346-351.

[38] Kant, R., & Jaiswal, D. (2017). The impact of perceived service quality dimensions on customer satisfaction. *International Journal of Bank Marketing*.

K. Client loyalty is a significant element in client satisfaction (Saengchai, Siriattakul, & Jermsittiparsert, 2019). The influence of the satisfaction in loyalty is the most famous consideration in the marketing research theories. Thus, many types of research have suggested that satisfaction and loyalty are immediately associated with each other. Client loyalty has also been determined as the main resource of competitive benefit which possesses an important impact on efficiency. A minor enhancement in loyal clients can direct to a considerable enhancement in business sales and revenue. Past studies across many firms and units have stated that client satisfaction and loyalty proposed a considerable influence on a firm's performance Aaker, D.A. 1996. Measuring brand equity across products and markets. California Manag. Rev. 38(3), 102-120.

- [39] Abbas, T., & Hafeez, S. (2017). Impact of CRM practices on service quality in the banking industry. *Pakistan Administrative Review*, *1*(2), 130-144.
- [40] Akrout, H., & Nagy, G. (2018). Trust and commitment within a virtual brand community: The mediating role of brand relationship quality. *Information & Management*, 55(8), 939-955.
- [41] Ali, M., & Raza, S. A. (2017). Service quality perception and customer satisfaction in Islamic banks of Pakistan: the modified SERVQUAL model. *Total Quality Management & Business Excellence*, 28(5-6), 559-577.

A whereas many past types of research blended service estimations and associations marketing awareness and understanding. Some scholars also discussed customer relationship management quality that it has comprised of trust and commitments are critical in developing and managing durable associations and increasing client loyalty. In line with past studies we discussed, we realize the immediate impact of the service estimation over client loyalty. Whereas to take advantage of such factors on clients loyalty, the current paper stated that (a) customer relationship management quality has a significant part on association and (b) the mediated association among every service from three utilities estimation factors and client loyalty through customer relationship management quality is effected by brand reputation. Figure 1 describes the moderated association between constructs. The suggested hypothetical statements are listed in the section below.

CRM quality

Customer relationship management operations have been seemed to highly impact not only client satisfaction and loyalty but also the service quality provided by firms Aaker, D.A. 1996. Measuring brand equity across products and markets. California Manag. Rev. 38(3), 102-120.

Ab. In sales and marketing, service quality is address as a significant element that contributes towards advantages gathered by firms and also considered in past literary work. CRM is significant for all the marketing firms and businesses but most important for service organizations it has now more considerable. The client considers the factors of service and communication with service facilitator because in service these are no existence of any physical items which client experience.

CRM is a way to maintain a firm's interaction with existence and feasible clients. CRM significance has remarkably enhanced during the last few years majorly due to the reason that it not only facilitates the competitive limit to a firm by maintaining a durable association with the client and also it becomes an essential tool for the persistence of the firm. The basic purpose of customer relationship management comprises creating and managing beneficial client association for the long term and maintains client loyalty and viability.

The two most significant factors of customer relationship management are trust and commitment. Trust can be described as a group of productive trusts or prospects concerning the competitiveness, honesty, and generosity of an organization in the web-based framework A. Commitment addresses 'the customer's psychological affection towards web-based facilitator, along with individual's attempts to manage the client-firm association' A. A past study showed that trust and commitment have a productive immediate association with behavioral intention. They both directly influence customer loyalty such that the customers having high trust levels and strong commitments are more willing to remain attached to a particular brand. In the current paper, trust and commitment consider as the client's conviction in the worth and credibility of the utilities offered by an organization. To evaluate the amount of client commitment level to the organization, the current paper considers the effective factors of commitment.

Client Loyalty

Many pieces of research have addressed that increased level of client satisfaction eventually directs to enhanced client loyalty and WOM recommendations Y. The enhance the market competitiveness of goods and items has enforced firms to consider various strategies for the reason of alluring and keeping clients. Client loyalty is the most beneficial and growing profit that any firm can have, loyalty possesses a high tendency of distinction and it is actually an origin of competitive benefits Aziz, S. A., Jusoh, M. S., & Amlus, M. H. (2018). The moderating role of technology anxiety on-brand service quality, brand image and their relation to brand loyalty. *International Journal of Internet Marketing and Advertising*, *12*(3), 270-289.

Byrne, B.M., 1998. Structural equation modeling with Lisrel, prelis, and simplis: Basic concepts, applications, and programming Lawrence Erlbaum Associates, Mahwah: NJ.
 C.

In past literary work, several researchers evaluate to find out the precedence of loyalty. Across which research usually state as satisfaction, assumed worth and service quality. Client loyalty is a complicated factor because of the distinct co-existing aspects in its conceptualization. The general description of loyalty is an commitment to rebuy a particular item or reuse any service in a way so as to increase its repetitive buying. Loyal clients rebuy from a similar service provider whenever feasible, preferred those suppliers, and show productive behavioral towards them K.

Client loyalty composes of attitude and behavioral factors. As a behavioral, loyalty can be termed as to currentbehavioraling activities towards the object of consideration. Loyalty is an attitude showed a tendency to involve in behavioral based beneficial estimations of item loyalty. Loyalty can be characterized as brand and service loyalty. Service loyalty can be described as the repeated buying process from the service provider, addressing a productive attitude by utilizing the provider facilitation when needed. On the other hand, brand loyalty presents client priorities for a specific brand or prioritize the same brand repetitively for a long time. Therefore, concerning the above discussions, we proposed a hypothetical statement:

H (a): customer relationship management is productively associated with client loyalty.

Service Quality

The providing of good-quality service is the basic principle of success in the service industry Kant, R., & Jaiswal, D. (2017). The impact of perceived service quality dimensions on customer satisfaction. *International Journal of Bank Marketing*.

. Nowadays, a complex competitive environment, managing and enhancing the quality of service is very significant for creating high performance and growth in any business. In the development and service industry, quality enhancement is the basic key factors that influence client satisfaction and client's buying intention. Many professionals and firms highly consider service-quality problems to drive client satisfaction above all issues.

According to A), quality of service, assumed worth and client satisfaction also indirectly influence client loyalty via mediation. According to K, The assumed quality of service dimensions determined was tangibility, credibility, assurance, response capacity, empathy, and image. The experimental consequences stated that 'response capacity' was found to be a highly important indicator of client satisfaction. In contrast, 'image' possesses a productive impact but the least important association with client satisfaction followed by every other element. The exception is 'credibility' which is inconsiderably associated with client satisfaction. By considering the above discussions, we address that service quality indirectly influence client loyalty through customer relationship management quality. Therefore, we proposed a hypothetical statement:

H (b): service quality productively impacts client loyalty via the mediating impact of customer relationship management quality.

Client satisfaction

The client's satisfaction is the basic element that urges while the efficiency of the goods or services overcomes expectations. Satisfaction is a post-buying condition of a client's mind that reflects the number of client's likes or dislikes the service after experience it Kumar, V., Pozza, I.D., Ganesh, J. 2013. Revisiting the satisfaction - loyalty relationship: empirical generalizations and directions for future research. J. Retail. 89 (3), 246-262.

- [43] Lam, S.Y., Shankar, V., Erramilli, M.K., Murthy, B. 2004. Customer value, satisfaction, loyalty, and switching costs: an illustration from a business-to-business service context. J. Acad. Mark. Sci. 32(3), 293-311.
- [44] Leroi Werelds, S., Streukens, S., Brady, M.K., Swinnen, G.,2014. Assessing the value of commonly used methods for measuring customer value: a multi-setting empirical study.J.Acad.Mark.Sci.42(2),430-451.
- [45] Lim, L. G., tuli, kapil r, & Grewal, R. (2019). Customer Satisfaction and Its Impact on the Costs of Selling. SSRN Electronic Journal. doi:10.2139/ssrn.3331251
- [46] Lin, Y. H. (2015). Innovative brand experience's influence on brand equity and brand satisfaction. Journal of Business Research, 68(11), 2254-2259.

M. Client satisfaction might be a direction for oversight and enhancing the current and effective performance of a business. Kumar, V., Pozza, I.D., Ganesh, J. 2013. Revisiting the satisfaction - loyalty relationship: empirical generalizations and directions for future research. J. Retail. 89 (3), 246-262.

- [47] Lam, S.Y., Shankar, V., Erramilli, M.K., Murthy, B. 2004. Customer value, satisfaction, loyalty, and switching costs: an illustration from a business-to-business service context. J. Acad. Mark. Sci. 32(3), 293-311.
- [48] Leroi Werelds, S., Streukens, S., Brady, M.K., Swinnen, G.,2014. Assessing the value of commonly used methods for measuring customer value: a multi-setting empirical study.J.Acad.Mark.Sci.42(2),430-451.

[49] Lim, L. G., tuli, kapil r, & Grewal, R. (2019). Customer Satisfaction and Its Impact on the Costs of Selling. SSRN Electronic Journal. doi:10.2139/ssrn.3331251

L stated that client satisfaction is the sentimental and psychological outcome of individual client experience.

Satisfied clients are more possibly to encourage companies' services to another client via the production of positive WOM. The positive WOM in result can operate as a free of charge and efficient tool for company advertisement Kumar, V., Pozza, I.D., Ganesh, J. 2013. Revisiting the satisfaction - loyalty relationship: empirical generalizations and directions for future research. J. Retail. 89 (3), 246-262.

- [50] Lam, S.Y., Shankar, V., Erramilli, M.K., Murthy, B. 2004. Customer value, satisfaction, loyalty, and switching costs: an illustration from a business-to-business service context. J. Acad. Mark. Sci. 32(3), 293-311.
- [51] Leroi Werelds, S., Streukens, S., Brady, M.K., Swinnen, G.,2014. Assessing the value of commonly used methods for measuring customer value: a multi-setting empirical study.J.Acad.Mark.Sci.42(2),430-451.

L. Past researches stated that the productive impact of satisfaction on behavioral and attitudinal loyalty consequences for example client WOM, buying intentions, service utilization, and durable association. in addition, client satisfaction is contingent on few elements like competitor's planning, and due to the reason that the client satisfaction depends on immediate prior experiences with a company, it has been possible that the satisfaction-loyalty association could be mediated by other factors, for example, customer relationship management quality. Therefore, we stated that:

H (c): client satisfaction productively influences client loyalty via the mediating impact of customer relationship management quality.

Client worth

Nowadays, a growing concept that, instead of being an inactive receiver of products and utilities, clients are agile involving in a variety of communications and actions to create worth. Such client worth operations can adopt many forms. Few operations might involve communication with facilitators, or with peers or relatives, or in fact with other clients. According to Saleem, H., and Raja, N. S. (2014), "The impact of service quality on customer satisfaction customer loyalty", Middle-East Journal of Scientific Research, Vol. 19 No. 5, pp. 706-711.

S, few operations comprise more efforts than others.

With the enhancement of customer relationship management (CRM), companies are capable of producing loyal clients as well as durable growth and benefits for business. Client worth is based on individual properties like prior goods or items awareness and monetary sources and also conditions like schedule and place of buying or utilizing items or providing Kumar, V., Pozza, I.D., Ganesh, J. 2013. Revisiting the satisfaction - loyalty relationship: empirical generalizations and directions for future research. J. Retail. 89 (3), 246-262.

Lam, S.Y., Shankar, V., Erramilli, M.K., Murthy, B. 2004. Customer value, satisfaction, loyalty, and switching costs: an illustration from a business-to-business service context. J. Acad. Mark. Sci. 32(3), 293-311.

L H (d): client worth productively influences client loyalty via the mediating impact of customer relationship quality.

Brand reputation and its moderating impact

According to Morgan, R.M., Hunt, S.D. 1994. The commitment-trust theory of relationship marketing. J. Mark. 58,20-38.

R, in a recent era, a big challenge for firms is to find a way to create powerful client relations in a competitive market. Association among public association and client loyalty are two main determinants for powerful CRM. The influence of public interactions and associations on client loyalty is more considerable while brand repute is favorable. A positive brand repute support businesses to develop strong brand's position and market performance. Brand reputation can be defined as the client's perception of brand and brand reputation also influence buying intention. Brand reputation has a significant influence on supporting clients' intention to buy products or not. Brand repute is the way in which the client remembers the brand S.

Nowadays, all firms' attempts to grab their loyal and agile client's attention by providing a good brand repute Aziz. A brand with a good reputation supports firms through their loyal clients. If a client is satisfied with the brand's providing, the loyal client will remain attached to the brand for a long period of time. In service firms, past literary work address, that brand repute possesses moderating influence in describing the impact of client loyalty and buying intention. Brand repute also moderates the association between brand reliability and client's buying intention. Moreover, client satisfaction possesses a strong impact on loyalty while blending with client worth and brand reputation. Hence, brand repute is a client-based idea, it supports awareness and characteristics, operational implications, and individual experiences that the client relates to specific items or services. Past study address that customer relationship management operations influence over cross-functional inclusion of sources for example sales and marketing potential, recommending that the performance of customer relationship management operations relies on other already present business factors like brand repute. Therefore, a productive brand reputation is expected to empower the impacts of quality of service satisfaction and client worth through customer relationship management quality. Thus, on the basis of the above discussion we proposed these hypothetical statements:

H (e): the mediating impact of service quality over client loyalty via customer relationship management is moderated by brand reputation in a way that this impact is powerful for brands with a good reputation.

H (f): the mediating impact of client satisfaction over client loyalty via customer relationship management is moderated by brand reputation in a way that this impact is powerful for brands with a good reputation.

H (g): the mediating impact of client worth over client loyalty via customer relationship management is moderated by brand reputation in a way that this impact is powerful for brands with a good reputation.

III. Research methodology

Data gathering and sample

For a current research paper, we consider clients who are utilizers of three chosen brand of vehicle dealership in Thailand. According toZeithaml, V.A., Berry, L.L., Parasuraman, A. 1996. The behavioral consequences of service quality. J. Mark. 60(2),31-46.

https://www.aseanbriefing.com/news/thailands-automotive-industry-opportunities-incentives/, Thailand is ranked 13th in automotive exporter and ranked 6th in the largest commercial automotive producer worldwide, and also largest in ASEAN. By the year 2020, Thailand's objective to produce more than 3500000 sectors of automobiles to stand on a higher rank in the automotive industry globally. The names of three chosen vehicle dealership brands for current paper are hidden because of confidentiality issues thus; we called these three brands as brand A, brand B, and brand C. Overall 500 survey questions were circulated and participants of the survey were selected utilizing a usual random

data sample gathering process. A total of 265 responses was reverted, 28 responses were deleted because of their insufficiency. A total of 231 responses were considered for evaluations. The response rate is around 59 percent. The demographic details are as follows: around 54 percent of participants were women and 32 percent were male. About 36 percent of participants were of age range 39-50, 22 percent were in the 51-60 age range, around 5 percents are more than 60 years and 19-30 and 31-40 age ranges consist of 21 percent.

Measures

The respondents' assumption of service quality was estimated considering the five factors and also client loyalty was evaluated utilizing elements as drafted by 6. . We consider service quality as a multi-dimensional factor comprising f elements which are tangibility, credibility, response capacity, empathy, and assurance. To analyze client satisfaction we taken, measuring constructs from Cand1. . Client worth was estimated utilizing the elements taken from W. Customer relationship management quality was considered with two factors trust and commitment utilizing elements taken from M. We analyzed commitment as behavioral factor and loyalty as a factor that grabs both behavioral and attitudinal perspective of client feedback. Each other factor was estimated as the first-order construct except for service quality and customer relationship management quality were estimated using a 7-point Likert scale (1 for highly disagree; 7 for highly agree) were considered.

IV. Data evaluation and Results

Initial evaluation and measurement paradigm

As the measuring items were taken from previous studies, CFA was performed in AMOS to evaluate the different dimensions and psychometric characteristics of the elements under out paradigm framework. Considering ML (max likelihood) evaluation, we darted the CFA model with every single factor which is service quality directs by five factors with the factor along with measuring items; client satisfaction, client worth, customer relationship quality comprises two more factors and client loyalty. All the measurements present a suitable fit (Chi-square/df¼3.04, CFI¼ = .95, TLI¼= .96, NFI¼= .94, RMSEA¼= .06), with all factor loadings greater than .8 which show appropriate result. Credibility estimation present that the factors have Cronbach's alpha as of more than .8, directing sufficient divergence or inclusive persistence Fornell, C., Larcker, D.F.,1981. Evaluating structural equation models with unobserved variables and measurement error. J. Mark. Res. 18(1),39-50.

H. These constructs have AVE of more than .50 and CR c=values are more than .70, describing convergent validity50. Table 1 represents squared inter-construct correlations, means, standard deviations, CRs and AVEs.

Items		one	tw	thre	four	five	six	seve	eigh	nin	t
			0	e				n	t	e	en
Service	quality-	0.5									
substantial		9									
Service	quality-	0.6	0.6								
credibility		5	1								

Table 1: Squared inter-construct correlations, means, standard deviations, CRs and AVEs.

Service	quality-	0.5	0.5	0.68							
response capacity		1	9								
Service	quality-	0.5	0.5	0.55	0.70						
assurance		5	2								
Service	quality-	0.4	0.4	0.43	0.51	0.69					
empathy		8	7								
Client satis	faction	0.4	0.5	0.41	0.49	0.54	0.7				
			0				0				
Client wor	Client worth		0.5	0.48	0.44	0.56	0.5	0.68			
		3	9				6				
CRM quality-trust		0.3	0.4	0.48	0.54	0.48	0.6	0.53	0.70		
		9	3				1				
CRM	quality-	0.5	0.4	0.48	0.59	0.53	0.5	0.54	0.63	0.6	
commitment		7	7				1			8	
Client loya	Client loyalty		0.6	0.59	.57	0.49	0.5	0.64	0.51	0.5	0
		1	0				2			9	.72
CR		.90	.91	0.91	.93	.90	.89	.87	.90	.91	
											92
Mean		4.5	4.3	4.29	4.52	4.58	4.3	4.60	4.29	4.6	4
		0	6				9			0	.38
SD		1.3	1.3	1.36	1.39	1.25	1.3	1.26	1.34	1.3	1
		3	7				5			6	.32
**All associations are considerable at $\alpha^{1/4}$.01. CR= construct reliability, SD=standard deviation											
AVE is represented in italic on diagonal.											

The mediating impact of service quality

To assess H (a) - H (d), we ran SEM utilizing the AMOS software. Comprising assured verification and credibility of measurement paradigm, we analyze an SEM modeling in which service quality, client satisfaction, and client worth were autonomous constructs, customer relationship management quality the mediator and client loyalty the dependent construct as shown in Figure 1. All values showed suitable fit Chi-square/df¹/₄= 3.01, CFI¹/₄= .95, TLI¹/₄= .95, NFI¹/₄= .94, RMSEA¹/₄= .06). As represented in table 2a, the outcomes of the SEM model present that all the immediate impacts of service quality, satisfaction, and worth on customer relationship management quality are statistically important. Customer relationship management quality seems as productively related to client loyalty (b ¹/₄= .96, p= o.001), in accordance with h (d).

In evaluating the indirect impact of service quality, client satisfaction and client worth on client loyalty through customer relationship management quality, path estimation was carried out by utilizing bootstrapping procedure in AMOS B. First, the immediate impact of service quality ($b^{1}/4=.49$, p=0.001), satisfaction ($b^{1}/4=.14$, p=0.001), and

client worth ($b^{1/4} = .40$, p = 0.001) over loyalty are all important as represented in table 2a. The indirect consequences are represented in table 2b. The service quality indirect impact on loyalty through customer relationship management quality is important ($b^{1/4} = .11$, p = 0.01). Whereas, the immediate impact of service quality on loyalty is still important ($b^{1/4} = .40$, p = 0.01) recommending that customer relationship management quality partially mediates the impact of service quality over loyalty, in accordance with H (A). Further, the indirect impact of satisfaction on loyalty through customer relationship management quality is important ($b^{1/4} = .02$, p = 0.10), but the immediate impact is not important (p = 4.56), customer relationship management quality completely mediates the impact of satisfaction over loyalty, in accordance with H (b). In the end, the immediate impact of loyalty worth through customer relationship management quality is important ($b^{1/4} = .12$, p = 0.01). Hence, customer relationship management quality partially mediates this association as the immediate impact of value over loyalty importance ($b^{1/4} = .28$, p = 0.10), in partial accordance with H (c).

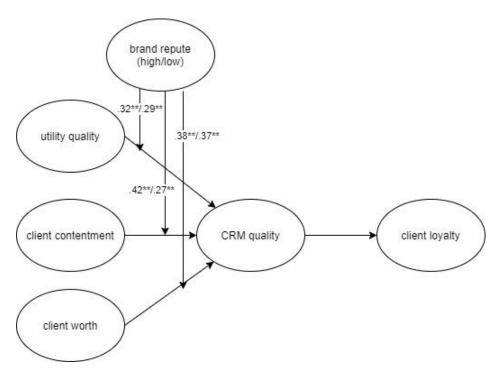


Figure 1: PLS-SEM result of a conceptual paradigm

The moderating impact of brand reputation

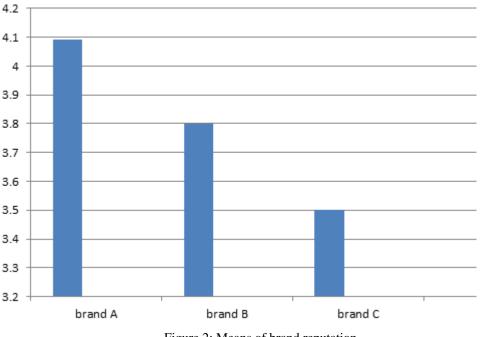
Before evaluating the moderating impact of brand reputation, we are required a basis to differentiate three vehicle brands (brand A, brand B, and brand C) in order to categorize a higher or lower brand reputation. For this purpose, we gathered an extra data sample from 200 general public clients utilizing a web survey evaluating their repute assumption of brands. A screening questionnaire was considered to assure that participants own at least one out of three selected vehicle brands. To estimate brand reputation, we utilized the measures from A,(This brand gives suitable worth for money; there is a purpose to purchase from this brand as compared to others; brand comprises personality; brand comprises affection; this rand is distinct to other brands in competition, and I am able to identify this brand besides International Journal of Psychosocial Rehabilitation, Vol. 23, Issue 01, 2019 ISSN: 1475-7192

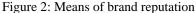
other brands). Data was gathered from normal individuals not to the brand's clients to manage the impact of common method bias. To manage the order impact, we also randomized the order of queries on brand repute. 12 scenarios were recruited from the data evaluation because of outrages missing figures. For the rest of 138 scenarios, 59 percent were men and most 41 percent of participants were of age range 19-30 years. Thirty-nine percent has either before owned or currently containing brand A, 34 percent rand B and 26 percent brand C.

(a) Immediate impacts				
Immediate association evaluation	β	S.E	р	
Service quality-CRM quality	.68	.07	.0	
Client satisfaction- CRM quality	.18	.04	.2	
Client worth- CRM quality	.29	.04	.0	
CRM quality-client loyalty	.94	.06	.0	
Service quality-client loyalty	.49	.12	.0	
Client satisfaction-client loyalty	.17	.06	.0	
Client worth-client loyalty	.39	.06	.0	
(b) Indirect impacts	I			
Indirect association evaluation	.15	.05	.0	
Service quality-CRM quality-client loyalty	.05	.03	.06	
Client satisfaction-CRM quality- Service quality	.09	.06	.0	
Client worth- CRM quality-client loyalty				

Table 2: immediate and indirect impacts consequences

To match the assumed brand reputation of selected brands, we carried out repetitive evaluations ANOVA, with average estimations of a brand reputation for brand A, brand B, and brand C which shows a 3-level brand reputation. The consequences of ANOVA estimation present that there is a considerable distinction among the brand reputation of three brands (F (2,198)1/4 27.01, p.00). represents brand reputation means comparison which has been planned. It has been found that brand A was considerably higher as compared to brand B (F (1.156)1/4 1.15, p.00, M brand C 5.01, M brand C1/43.91). Hence, since the mean of a brand reputation of brand B was more than that of brand C, this discrepancy was not considerable (F (1.169)1/4 1.67, p.00, M brand B 3.78, M brand C1/4 3.71). On the basis of these consequences, we describe a new explicit variable that shows brand reputation at two levels, that is, brand A possesses a higher brand reputation, whereas brand B and brand C possesses a lower brand reputation.





To estimate H (e), H (f) and H (g), we carried out moderated mediating estimation utilizing the regression boot strapping procedure in PROCESS module. The outcomes for the moderating impact of brand reputation are represented in

Table 3. Hence, it has been showed that impact of service quality on loyalty via customer relationship management quality (a1+a3*w*b) is positive and considerable for brand reputation for brand B and brand C which is lower (.29) and brand reputation for brand A (.31) which is high. Whereas, the mediating impact increasing marginally to represent higher brand reputation, it does not changing considerably among brand kinds, therefore, H (e) is not in accordance. Since, the impact of satisfaction on loyalty through customer relationship quality is productively considerable for both lower and higher brand reputation (.28) and (.43) respectively. The confidence threshold level does not reach the 0; therefore, H (f) is in accordance. This shows that the mediating impact of customer relationship quality is significant for a higher brand reputation. Consequently, the impact of worth on loyalty through customer relationship management quality is productive and important for both lower and higher rand reputation (.38) and (.35) respectively. Whereas, the confidence interval reaches the zero, therefore, H (g) is not in accordance.

V. Discussion

The current paper evaluates the effect of CRM quality and brand reputation over the association among the service estimation variable of service quality, client satisfaction, and client worth and client loyalty. We evaluate these influences in a framework given by durable associations among clients and companies, which is, the vehicle industry. The outcomes present that however client loyalty is affected by service quality, client satisfaction, and client worth, these associations are more empowered while clients assumed higher customer relationship management quality. Our outcomes also reveal that the client satisfaction on customer relationship management quality- client loyalty relation

is relying on assumed rand reputation. Hence, client satisfaction directs to a higher level of assumed customer relationship management quality thereby improving client loyalty for brands with a powerful reputation to those with weaker brand reputation. However, we had not found such a moderated mediation association for the client's assumption of the vehicle brand's service quality and client worth. Perhaps, this describes the devout nature of client satisfaction and the requirement to more evaluate the elements that enhance the satisfaction loyalty relation.

 Table 3: The indirect impact of, service quality, satisfaction and value on loyalty through customer relationship

 management quality moderated by the reputation of a brand.

AV	DV	a1	a3	b	C'	W	(a1+a3*w)*b	CI(L-U)	
Service	loyalty	.85**	.09	.36**	.68**	LBR	.29**	-	.08
quality						HBR	.32**	.02	
Client	Loyalty	.56**	.23*	.56*	.37*	LBR	.27**	.04	.24
satisfaction						HBR	.42**		
Client	loyalty	.78**	.06	.48**	.53*	LBR	.37**	-	.12
worth						HBR	.38**	.06	
LBR= low brand reputation, HBR=high brand reputation									
*p<.05, **p<.01									

Hypothetical contribution

The current study makes a contribution to marketing and customer relationship management quality literary work in several ways. First, we present customer relationship management quality as a supplementary description that moderates the impact of service estimation variables (service quality, client satisfaction and client worth) on client loyalty. Past studies have created the immediate impact of service quality and client worth on loyalty. The previous study has also reaffirmed the moderating impact of trust on the relation among client worth and client commitment 8. The moderating effect of commitment and trust, as isolated elements, on the association among client satisfaction and client loyalty. The current paper, hence, created a separate paradigm of the precedence to client loyalty that include the three service estimation variable with customer relationship management quality characterize as two-way factor (trust and commitment) and second moderate mediation evaluation present that the indirect impact of client satisfaction on client loyalty mediate via customer relationship management quality is moderated by assumed brand reputation.

Specifically, the influence of client satisfaction on client loyalty via customer relationship management attempt is highly consistent with powerful brand reputation; hence the indirect impact is associatively marginal while brand reputation is weaker. A past study also assures that client loyalty is an immediate impact of association quality and brand reputation. Further, our paper address to the call for statements by K who stated that when the association among client satisfaction and loyalty is productive, a little variation in loyalty is described by satisfaction, suggesting the creation and examining the paradigm that adopts different moderators, mediators, precedence variable and many more. In the current paper, we developed the mediating impact of customer relationship management quality and the mediating impact of brand reputation in the paradigm.

International Journal of Psychosocial Rehabilitation, Vol. 23, Issue 01, 2019 ISSN: 1475-7192

Managerial implementations

The current study comprises several significant managerial implementations. First, experimental evaluation of basic drivers of client loyalty, the current paper finds out to give professionals and managers with a strategic mechanism that enhances both behavioral and attitudinal loyalty. Both unreliable and experimental proofs ensure to the critical nature of handling client loyalty in companies like automobile dealership. This is basically because of the competition and the transformation of service in relevant companies. Thus, our outcomes seek to aware managers about which elements prioritize to produce increased loyalty levels, thus, assisting managers to properly place their client retention cost. Second, our results understand the significance of a well-arranged customer relationship management plan that enhances trust and commitment and in result provides increased loyalty levels. Therefore, relational managers are suggested to properly handled and manage customer relationship management initiatives. These consequences provide a significant message for professionals recommending that for service brands, managers required to be identified that consideration for client loyalty, client satisfaction, and client worth would not produce a loyalty attitude. Further, it may be the most significant managerial implementations from current paper associates to the role play by the reputation of the brand as a proxy for improving the indirect impact of client satisfaction on client loyalty via customer relationship management quality. Our moderated mediation estimation produces that the mediating impact of client satisfaction on client loyalty through customer relationship management quality is higher in the scenario while the brand is assumed to be higher while it is low. Therefore, we try to suggest professionals to insight not only the significance of handling client associations but also the importance of generating and handling a productive rand reputation. Hence, while the reputation of a brand is favorable, the companies attempt to handling service quality, client satisfaction, client worth, and also customer relationship management operations have greater concurrency with client loyalty.

Limitations and future research

The current paper comprises a few limitations which must be addressed while considering the consequences in future studies, but in addition address to possibilities for future investigations. First, when the outcome might be generalizable to more countries, the all regarding Thailand not supposed to be in consideration while further analyzed the outcome. As a growing country, one would hope the general Thai clients' automobile dealing attitude to varying while in comparison with their other parts in some other regions. This is because of the distinction in major market conditions and small consumption attitudes among different markets. Future studies can evaluate the correlation network described in current research in developing the market and the outcome. In addition, it could be beneficial to evaluate the precedence of customer relationship management and its influence on improving loyalty that the client retains with brands. Moreover, the intense technical landscapes among growing and successful markets are more possibly to influence customer relationship management operations distinctly, therefore, producing distinct levels of loyalty. More studies can evaluate either customer relationship management plays the same or distinct moderating role in growing and successful markets. Further, we utilize data from B2B associations' less than one firm, recommending the outcomes cannot directly imply to their firm or to the B2B framework. Therefore, to give a more extensive paradigm, future research can replicate the conceptual paradigm. In addition, association constructs like trust, commitment and loyalty change with the passage of time, so, our data was on the basis of cross-sectional research.

that's why giving only a few about customer relationship management loyalty. A longitudinal evaluation paradigm can be adopted in the future for evaluation of the approach to find a way in which customer relationship management loyalty evolves.

References

- [52] Aaker, D.A. 1996. Measuring brand equity across products and markets. California Manag. Rev. 38(3), 102-120.
- [53] Abbas, T., & Hafeez, S. (2017). Impact of CRM practices on service quality in the banking industry. *Pakistan Administrative Review*, *1*(2), 130-144.
- [54] Akrout, H., & Nagy, G. (2018). Trust and commitment within a virtual brand community: The mediating role of brand relationship quality. *Information & Management*, 55(8), 939-955.
- [55] Ali, M., & Raza, S. A. (2017). Service quality perception and customer satisfaction in Islamic banks of Pakistan: the modified SERVQUAL model. *Total Quality Management & Business Excellence*, 28(5-6), 559-577.
- [56] Awara, N. F., &Anyadighibe, J. A. (2014). The Relationship between Customer Satisfaction and Loyalty: A Study of Selected Eateries in Calabar, Cross River State. Interdisciplinary Journal of Contemporary Research in Business, 5, 110- 125.
- [57] Aziz, S. A., Jusoh, M. S., & Amlus, M. H. (2018). The moderating role of technology anxiety on-brand service quality, brand image and their relation to brand loyalty. *International Journal of Internet Marketing and Advertising*, *12*(3), 270-289.
- [58] Byrne, B.M., 1998. Structural equation modeling with Lisrel, prelis, and simplis: Basic concepts, applications, and programming Lawrence Erlbaum Associates, Mahwah: NJ.
- [59] Cossío-Silva, F. J., Revilla-Camacho, M. Á., Vega-Vázquez, M., & Palacios-Florencio, B. (2016). Value cocreation and customer loyalty. *Journal of Business Research*, 69(5), 1621-1625.
- [60] Cronin, Jr, J.J., Taylor, S.A. 1992. Measuring service quality: are-examination and extension. J. Mark. 6, 55-68.
- [61] Fornell, C., Larcker, D.F.,1981. Evaluating structural equation models with unobserved variables and measurement error. J. Mark. Res. 18(1),39-50.
- [62] Hair, J., Joseph, F., Black, W.C., Babin, B.J., Anderson, R.E., Tatham, R.L., 2006. Multivariate Data Analysis, 6 ed. Prentice-Hall.
- [63] Jiang, H., & Zhang, Y. (2016). An investigation of service quality, customer satisfaction and loyalty in China's airline market. *Journal of air transport management*, 57, 80-88.
- [64] Kandampully, J., & Suhartanto, D. (2000). Customer loyalty in the hotel industry: The role of customer satisfaction and image. International Journal of Contemporary Hospitality Management, 12(6), 346-351.
- [65] Kant, R., & Jaiswal, D. (2017). The impact of perceived service quality dimensions on customer satisfaction. *International Journal of Bank Marketing*.
- [66] Khadka, K., & Maharjan, S. (2017). Customer satisfaction and customer loyalty. *Centria University of Applied Sciences, Business Management*.
- [67] Konrad, A. (2019). Customer retail Experience as a new approach for creating dealership sales loyalty in the automotive industry. *Proceedings of The 14th IAC 2019*, 240.
- [68] Kumar, V. (2018). The Relationship Between Customers Satisfaction and Customer Loyalty in the Commercial Vehicle Industry in India. *International Journal of Management and International Business Studies*, 8(1), 11-22.
- [69] Kumar, V., Pozza, I.D., Ganesh, J. 2013. Revisiting the satisfaction loyalty relationship: empirical generalizations and directions for future research. J. Retail. 89 (3), 246-262.
- [70] Lam, S.Y., Shankar, V., Erramilli, M.K., Murthy, B. 2004. Customer value, satisfaction, loyalty, and switching costs: an illustration from a business-to-business service context. J. Acad. Mark. Sci. 32(3), 293-311.
- [71] Leroi Werelds, S., Streukens, S., Brady, M.K., Swinnen, G.,2014. Assessing the value of commonly used methods for measuring customer value: a multi-setting empirical study.J.Acad.Mark.Sci.42(2),430-451.
- [72] Lim, L. G., tuli, kapil r, & Grewal, R. (2019). Customer Satisfaction and Its Impact on the Costs of Selling. SSRN Electronic Journal. doi:10.2139/ssrn.3331251
- [73] Lin, Y. H. (2015). Innovative brand experience's influence on brand equity and brand satisfaction. Journal of Business Research, 68(11), 2254-2259.
- [74] Meesala, A., & Paul, J. (2018). Service quality, consumer satisfaction and loyalty in hospitals: Thinking for the future. Journal of Retailing and Consumer Services, 40, 261-269. doi:10.1016/j.jretconser.2016.10.011

- [75] Morgan, R.M., Hunt, S.D. 1994. The commitment-trust theory of relationship marketing. J. Mark. 58,20-38.
- [76] Rahi, S. (2016). Impact of customer perceived value and customers' perception of public relation on customer loyalty with the moderating role of brand image. *The Journal of Internet Banking and Commerce*, 21(2).
- [77] Saengchai, S., Siriattakul, P., & Jermsittiparsert, K. (2019). HR Practices, Overall Satisfaction and Employee Loyalty: Does Corporate Social Responsibility Matter in Mining firms of Indonesia?. *International Journal of Psychosocial Rehabilitation*, 23(4), 763-777.
- [78] Saleem, H., and Raja, N. S. (2014), "The impact of service quality on customer satisfaction customer loyalty", Middle-East Journal of Scientific Research, Vol. 19 No. 5, pp. 706-711.
- [79] Sweeney, J. C., Danaher, T. S., & McColl-Kennedy, J. R. (2015). Customer effort in value co-creation activities improving the quality of life and behavioral intentions of health care customers. Journal of Service Research, 18(3), 318-335.
- [80] Thaichon, P., Lobo, A., Prentice, C., Quach, T. 2014. The development of service quality dimensions for internet service providers: retaining customers of different usage patterns. J. Retail. Consum. Serv. 21(6),1047-1058.
- [81] Wang, Y., Lo, H.P., Chi, R., Yang, Y. 2004. An integrated framework for customer value and customerrelationship-management performance: a customer-based perspective from China. Manag. Serv. Qual.:Int. J. 14(2/3),169-182.
- [82] Wirtz, J. (2018). Managing Customer Relationships and Building Loyalty. WS Professional.
- [83] Yoo, S.J., Huang, W.H.D., Kwon, S., 2015. Gender still matters employees' acceptance levels towards elearning in the workplaces of South Korea. Knowl. Manag. E-Learn.: Int. J. (KMEL) 7 (2), 334-347.
- [84] Zeithaml, V.A., Berry, L.L., Parasuraman, A. 1996. The behavioral consequences of service quality. J. Mark. 60(2),31-46.
- [85] https://www.aseanbriefing.com/news/thailands-automotive-industry-opportunities-incentives/