



UNIVERSITI PUTRA MALAYSIA

***CONSUMER INVOLVEMENT, CONSUMER ONLINE ENGAGEMENT,
AND CONSUMER LOYALTY IN AIRLINE AND HOSPITALITY
SERVICES AMONG GENERATION X AND Y***

LEONG MEI KEI

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AND CONSUMER LOYALTY IN AIRLINE AND HOSPITALITY
SERVICES AMONG GENERATION X AND Y**

By

LEONG MEI KEI

**Thesis Submitted to the School of Graduate Studies, Universiti Putra Malaysia,
in Fulfillment of the Requirements of the Degree of Doctor of Philosophy**

July 2018

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Abstract of thesis presented to the Senate of Universiti Putra Malaysia in fulfillment of the requirement for the degree of Doctor of Philosophy

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July 2018

Chairman : Syuhaily Osman, PhD
Faculty : Human Ecology

Previous studies had explicitly examined the constructs of consumer involvement, consumer online engagement, and consumer loyalty. However, only few researchers have conducted studies to understand the relationships between these constructs especially across generations. Furthermore, studies on consumer loyalty have become the central focus of various parties as it is the major determinant of market growth and an influencer which affects consumer behaviour. Thus, the main objective of this study was to examine the dimensions of consumer involvement (importance, pleasure, sign, risk consequence, and risk probability) in influencing consumer loyalty among Generation X and Y in airline and hospitality services context. This study also looked at the mediating effect of consumer online engagement (with its dimensions of affective, behaviour, and cognitive engagement) on the relationship between consumer involvement and consumer loyalty. The moderation effect of Generation X and Y was examined in the study to ascertain the differences between the two generations on the relationship between consumer online engagement and consumer loyalty. The conceptual framework was developed based on the reasoned linkage between the variables and the theoretical foundations of the Service Dominant Logic Theory, the Consumer Engagement Model, and the Three H's Model. Convenience sampling method was used to collect the data of 390 respondents through Facebook. Meanwhile, this research had acquire the desired number of respondents, with an approximately equal number of respondents from Generation X and Generation Y. The self-administrative questionnaires were widely distributed by using an online survey platform known as Survey Monkey. The collected data were statistically analysed by using Statistical Package for the Social Sciences (SPSS) and Smart PLS software. The basic analysis such as descriptive analysis was performed by using SPSS, while the inferential analysis such as Structural Equation Modelling was carried out by using Smart PLS. Based on the findings, it was observed that the level of

consumer loyalty portrayed towards the airline and hospitality services among the Generation X and Generation Y were between moderate and high. The results also discovered that there were significant relationships between dimensions of consumer involvement (importance, pleasure, and sign) and consumer loyalty. The dimensions of consumer online engagement (affective and behaviour) were distinguished as the mediator for the relationship between consumer involvement and consumer loyalty. The mediator effect was partially mediated the relationship between consumer online engagement and consumer loyalty. Nonetheless, the cognitive engagement does not display any mediation effect on the relationship between consumer involvement and consumer loyalty. As for the moderator of Generation X and Y, the result displayed significant moderation effect with regards to the consumer online engagement and consumer loyalty relationship. The moderator of Generation X and Y has increased the direct variance explained within the model from 19.5% to 32.3%. This study has contributed to the existing body of knowledge by providing support for the importance of consumer involvement and consumer online engagement towards consumer loyalty, based on theoretical reasoning and empirical findings. The findings of the study have also highlighted some important implications, while some recommendations for future researchers have also been put forward to facilitate the understanding of consumer loyalty.

Abstrak tesis yang dikemukakan kepada Senat Universiti Putra Malaysia sebagai memenuhi keperluan untuk ijazah Doktor Falsafah

PENGLIBATAN PENGGUNA, KETERLIBATAN PENGGUNA DALAM TALIAN, DAN KESETIAAN PENGGUNA DALAM PERKHIDMATAN PENERBANGAN DAN HOSPITALITI DALAM KALANGAN GENERASI X DAN Y

Oleh

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Kajian terdahulu telah meneliti secara jelas konstruk penglibatan pengguna, keterlibatan pengguna dalam talian, dan kesetiaan pengguna. Walau bagaimanapun, hanya segelintir sahaja penyelidik yang telah menjalankan kajian untuk memahami hubungan antara konstruk-konstruk ini terutamanya merentasi dua atau lebih generasi. Tambahan pula, kajian tentang kesetiaan pengguna telah menjadi fokus pusat pelbagai pihak, memandangkan ia merupakan penentu utama pertumbuhan pasaran serta dapat mempengaruhi tingkah laku pengguna. Oleh itu, tujuan utama penyelidikan ini ialah untuk memeriksa dimensi penglibatan pengguna (kepentingan, keseronokan, tanda-tanda, kesan risiko, dan kebarangkalian risiko) dalam mempengaruhi kesetiaan pengguna dalam kalangan Generasi X dan Y dalam konteks perkhidmatan penerbangan dan hospitaliti. Kajian ini turut melihat kesan pengantaraan keterlibatan pengguna dalam talian (dengan dimensi afektif, tingkah laku, dan keterlibatan kognitif) terhadap hubungan antara penglibatan pengguna dan kesetiaan pengguna. Kesan penyederhanaan Generasi X dan Y turut dikaji untuk menentukan perbezaan antara dua generasi dalam hubungan antara keterlibatan pengguna dalam talian dan kesetiaan pengguna. Kerangka konsepstual telah dibangunkan berdasarkan perkaitan bersebab antara pembolehubah dengan asas-asas teori Logik Perkhidmatan Dominan, Model Keterlibatan Pengguna, dan Model Tiga H. Kaedah pensampelan mudah telah digunakan untuk mengumpul data daripada 390 responden melalui Facebook. Sementara itu, kajian ini telah mendapatkan bilangan responden yang dikehendaki, dengan bilangan responden yang lebih kurang sama daripada Generasi X dan Y. Soal selidik tadbir sendiri telah diedarkan secara meluas dengan menggunakan satu platform kaji selidik dalam talian yang dikenali sebagai *Survey Monkey*. Data yang terkumpul telah dianalisis secara statistik dengan menggunakan Pakej Statistik untuk Sains Sosial (SPSS) dan perisian Smart PLS. Analisis asas seperti analisis deskriptif telah dijalankan dengan menggunakan SPSS, sementara analisis inferensi seperti

Pemodelan Persamaan Struktur (Structural Equation Modeling) telah dijalankan dengan menggunakan Smart PLS. Berdasarkan hasil kajian, didapati tahap kesetiaan pengguna yang ditunjukkan terhadap perkhidmatan syarikat penerbangan dan hospitaliti tempatan dalam kalangan Generasi X dan Y adalah berada di antara tahap sederhana dan tinggi. Hasil kajian juga menunjukkan terdapat hubungan yang signifikan antara dimensi penglibatan pengguna (kepentingan, keseronokan, dan tanda-tanda) dan kesetiaan pengguna. Dimensi keterlibatan pengguna atas talian (afektif dan tingkah laku) telah dikenal pasti sebagai pengantara bagi hubungan antara penglibatan pengguna dan kesetiaan pengguna. Kesan pengantaraan adalah sebahagiannya diperantarakan bagi hubungan antara penglibatan pengguna dan kesetiaan pengguna. Namun begitu, keterlibatan kognitif tidak memaparkan sebarang kesan pengantaraan ke atas hubungan antara penglibatan pengguna dan kesetiaan pengguna. Bagi penyederhana Generasi X dan Y pula, hasil kajian menunjukkan kesan penyederhanaan yang signifikan terhadap penglibatan pengguna atas talian dan kesetiaan pengguna. Perantara bagi Generasi X dan Y telah meningkatkan varians langsung yang diperjelaskan dalam model daripada 19.5% kepada 32.3%. Kajian ini telah menyumbang kepada perkembangan ilmu pengetahuan yang sedia ada dengan menyokong kepentingan penglibatan pengguna dan keterlibatan pengguna dalam talian terhadap kesetiaan pengguna, bersandarkan hujah teori serta penemuan empirikal. Hasil kajian ini juga telah menekankan beberapa implikasi penting serta menyumbangkan cadangan kepada para penyelidik akan datang dalam usaha memperoleh pemahaman tentang kesetiaan pengguna.

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I certify that a Thesis Examination Committee has met on 16 July 2018 to conduct the final examination of Leong Mei Kei on her thesis entitled "Consumer Involvement, Consumer Online Engagement and Consumer Loyalty in Airline and Hospitality Services Among Generation X and Y" in accordance with the Universities and University Colleges Act 1971 and the Constitution of the Universiti Putra Malaysia [P.U.(A) 106] 15 March 1998. The Committee recommends that the student be awarded the Doctor of Philosophy.

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CHAPTER 1

INTRODUCTION

1.1 Background of the Study

Consumers' lifestyle is changing as their work life change. Non-flexible working hours and overtime have increased the chances of having stress (Shagvaliyeva & Yazdanifard, 2014). A stress-related survey had reported 70% of the Malaysian workers feel stressed due to the economic instability (Kumar, 2013). The inflation has increased the cost of living (Islam, Ghani, Mahyudin, & Manickam, 2017) and the imposition of goods service tax has posts a challenge to consumers (Ahmad, Ismail, & Halim, 2016). According to Agarwal, Chomsisengphet, Ho, and Qian (2013), the imposition of goods service tax has encouraged consumers to travel to other countries with lower tax imposition for purchasing lower-priced products. Besides that, consumers also travel to other countries for vacation purposes (Wong, Cheung, & Wan, 2013).

There has been an unprecedented economic growth in the tourism and hospitality industry. In 2016, both travel and tourism industry generated US\$7.6 trillion including accommodation, transportation, entertainment, attraction services and other supporting services (Tourism Wide, 2017). Hospitality becomes the major economic and social development to yield various opportunities for a country in terms of business, trade, capital investment, employment, and entrepreneurialism.

In 2014, travel and tourism industry generated a total of US\$7.6 trillion, contributing to a 10% of global gross domestic product and 277 millions of employment opportunity for the world's economy (Turner, 2015). The revenue is generated from hotels, travel agents, airlines and other passenger transportation services. In addition, the revenue is generated indirectly from the restaurant and leisure industries. According to Hamid and Cheng (2012), examples of hospitality and tourism activities are Meeting Incentive Convention and Exhibition (MICE) centres, museums, recreational activities and selected sport centre activities. Among various services providers, hotel is the largest service provider in the industry followed by airline services (Thomas & Wolfgang, 2010).

Furthermore, hotel and airline sectors are interrelated services sectors and both sectors represent the travel and tourism service industries (Motiani, Patil, & Borkar, 2013). In a study conducted by Tse and Poon (2016) found out that airlines and hotels are sharing the similar common phenomenon such as overbooking, cancellation, and walk-in issues unlike other sectors such as restaurant. Besides that, these two sectors play an essential role in supporting each other by having continuous tourism value chain (Trade and Development Board, 2013) and the services between these two sectors were closely associated (Cho, Fan, & Zhou, 2008; So, King, & Sparks, 2012).

Furthermore, these two sectors were contributing a huge amount on the gross domestic products and also offering numerous employment opportunities (Turner, 2017) which have made the airline and hospitality services as the research interest of the current study. Present study refers airline and hospitality services as the service provided by the company.

In airline and hospitality service sector, Internet has enabled consumers to gain a greater bargaining power for various products by the high level of exposure to various products and services (Hamid & Cheng, 2012). In this regard, the internet has changed the way of interactivity of the world population and communication between organizations and consumers. An approximately of 3.9 billion of the worldwide population used the internet (Internet World Stats, 2017). Due to the growing popularity of the Internet (Xiang, Wang, O’Leary, & Fesenmaier, 2015), most tourism and hospitality firms have created new ways to stay connected with their customers through interactions other than service experience (So, King, Spark, & Wang, 2016). One of the ways is to stay connected through social media platform to establish consumer online engagement. Social media is defined as a second generation of Web development and design to facilitate communication, and secure information sharing, interoperability as well as collaboration on the World Wide Web (Paris, Lee, & Seery, 2010). One of the most popular social media platforms is Facebook, which has more than two billion users (Statista, 2018).

The majority of the social media users are Generation X and Y who book their hotel rooms and flight tickets online (Dhanapal, Vashnu, & Subramaniam, 2015). According to Dhanapal et al. (2015), common products Generation X and Y in Malaysia like to purchase are airline or railway tickets, cinema tickets, and holiday packages as shown in Table 1.1. In Southeast Asia, travel services are the most commonly purchased items including movie tickets, live performance, exhibitions, and sports games. In Malaysia, six out of 10 Generation X and Y consumers would plan to purchase flight tickets (67% and the highest worldwide) and make hotel and tour reservation (62% and the second highest worldwide) online within six months. Moreover, 58% of the Malaysian consumers (the third highest worldwide) would purchase event tickets online (Nielsen, 2014). Thus, Generation X and Y are the research interest of present study because they are the major consumers for airline and hospitality service. Besides that, they are also active as social media users and purchase the services through online.

Table 1.1 : Commonly Purchased Product by Generation X and Y

Variables	Baby Boomers		Generation X		Generation Y	
	Online	Retail	Online	Retail	Online	Retail
	%	%	%	%	%	%
Groceries	1	99	6	94	4	96
Cosmetics	10	90	15	85	6	94
Books/CDs	26	74	30	70	25	75
Clothes	9	91	16	84	24	76
Furniture	5	95	14	86	9	91
Electronic gadgets	21	79	30	70	14	86
Computers/Mobiles	19	81	30	70	14	86
Airline/ Railway	51	49	59	41	74	26
Cinema tickets	65	35	72	28	74	26
Holiday packages	49	51	58	42	59	41

(Source : Dhanapal et al. 2015)

However, the global competition has changed the growth of tourism industry significantly by tremendous increasing of competition faced by the hospitality company. Those firms have faced challenges of increasing their market share to stay competitive and remain in the marketplace. Even though the airline and hospitality sectors have matured, there is a tough competition growing among enterprises in the international tourism. To increase the competitiveness of hospitality firms, one of the important methods is to build consumer loyalty as consumer loyalty is considered as essential to the success of the organization (Kim, Vogt, & Knutson, 2015). Consumer loyalty is a long-term repetitive purchase experience. Consumers are likely to build a strong bond with the service providers which benefits both of the consumers and the marketers. From a marketing perspective, marketers can retain new and old consumers by building up consumer loyalty (Gaurav, 2016). Loyal consumers are less likely to be price sensitive and not prone to choice switching behaviour (Malik, Ali, & Ibraheem, 2017).

In view of the consumers, loyal consumers may feel the strong emotional connection with the service providers (Thomson, MacInnis, & Park, 2005) they are most likely to feel concerned by the service provider and increase the empathy between both parties. Consumers will not be neglected when they are being taken care of by the service provider to retain their loyalty. Hence, this may increase consumer emotional wellbeing. Specifically, loyal consumers tend to reduce their decision-making process and influence their purchase behaviour (Sharma, Bhola, Malyan, & Patni, 2013). For instance, a loyal passenger will choose to travel for subsequent trips to reduce his or her selection time. Thus, building consumer loyalty benefits both marketers and consumers.

Another interesting concept related to consumer loyalty is consumer involvement. Hurley (2004) states that high level of consumer involvement is required to build consumer loyalty. Marketers strive to ensure that consumers can participate in the activities organised by them. At the same time, marketers also strive to gain consumers'

interest to increase their level of involvement. According to Te'eni-Harari and Hornik (2010), interested consumers are more willing to get involved in activities and events organised by marketers. Marketers can establish their own symbolic values to distinguish themselves with other competitors by providing promotional prices and prestigious values to appeal their customers by providing enjoyment and pleasurable feel to the consumers. They introduce state-to-the-art technology in an attempt to reduce consumers' complexity when making purchases in the evaluation process by introducing easy to access technology based online purchase. These components of consumer involvement are expected to encourage consumers' participation that induces their loyalty.

This study extends previous research on consumer loyalty by examining consumer involvement in airline and hospitality services. According to Morgan and Hunt (1994), hospitality marketers believe that relational engagement can facilitate consumer longevity associated with consumer loyalty. Consumer online engagement plays a crucial role in the relationship between consumer involvement and consumer loyalty in which this research employs consumer online engagement as the mediating role.

From a theoretical view, this research provides an enhanced understanding of the impact of consumer involvement on consumer loyalty in airline and hospitality services. This study examines consumer online engagement as a mediator whereas Generation X and Y as a moderator. Meanwhile, from a practical perspective, this research enables the marketers to understand consumer loyalty and build consumer loyalty with a strategic way in order to ensure a long-term relationship. Concurrently, consumers are able to understand their own behaviour in airline and hospitality sectors.

1.2 Problem Statement

Hospitality industry is considered as a job creator in Malaysia. Based on a report delineated by Turner (2017), tourism and travel industry has contributed 1.7 million jobs, including the indirect support of the industry. In 2016, the industry contributed RM58.0 billion to gross domestic product and created 639,500 job opportunities in hotel, airline, travel agent and transportation services (Turner, 2017). As this industry continues to grow, the competitiveness becomes stronger (Roy, 2010) due to the changes in global and business environment. This can be seen as the numbers of hotels and airlines companies accelerate in Malaysia. Based on the Malaysian Association of Hotels (2017), the registered number of hotels in 2014 has shown a leap increase of 443 hotels compared to 2011.

Despite the increasing number of hotels and airlines in Malaysia, one of the airlines in Malaysia had reported the loss in recent years. According to Malaysia Airline Quarterly Report (2014), the company lost approximately RM 827 million in September 2013 and continued to lose RM1323.7 million in September 2014. The loss was caused by the airline tragedies in 2014. These tragedies caused six straight

quarterly loss for the company. Particularly, the accident caused a decrease of 6.7% in bookings as compared to other airlines companies (Travel Updates, 2014). According to Sithraputhran (2014), Malaysia Airline earning per customer dropped tremendously as the competition intensified.

Efforts invested to build customer loyalty have been proven to pay valuable dividends (Yang & Lau, 2015) since consumer loyalty is a long-term basis relationship and it helps to retain customers. According to Yoo and Bai (2012), brand loyalty is considered as a significant indicator of marketing success in most industries. It is imperative for hotels and airlines companies to stay competitive with the proliferation of new brands and build consumer loyalty. This aspect has attracted considerable attention from marketers and researchers to understand consumer loyalty.

Meanwhile, consumer loyalty is essential to be cultivated by services company due to the decision paralysis that has been a worrisome phenomenon among consumers. Broniarczyk and Griffin (2014) mentioned that making a decision is not simple because of task complexities, trade-off difficulties, and individual preferences. Besides that, the abundant choices of airline and hotels companies available in the marketplace have increased the probability of having decision paralysis among the consumers. Decision paralysis happens among consumers who cannot make a right choice of the products or services. This is an important issue as it may cause trouble to the consumers when they are unable to make a correct selection, it is likely to burden them during decision-making process (Cartwright, 2011). The abundance of choices available in the market has burdened the consumers to evaluate and subsequently choose a suitable service. The decision paralysis can increase the chances of the consumers to get into a dilemma due to the difficulty they faced during the decision making process.

They may experience the risk after making a wrong choice that not suitable for them. For instance, a budget hotel without the lift is not suitable and inconvenient to the handicapped guests. In response to this issue, building consumer loyalty is essential to be built from the consumer perspective to minimise decision paralysis. When a service is suitable for the consumers, they may be loyal to the service and they need not make a selection repetitively which reduce their frequency of decision making (Magatef & Tomalieh, 2015).

Moreover, building consumer loyalty is also important in enable consumers to be less vulnerable to scams and threats. This is because loyal consumers would be continuously transacting with the same service provider and reduce booking from new service company. According to the American Hotel & Lodging Association (2015), 15 million hotel bookings are from rogue cases indicated that consumers do not get what they want, suffering from inconvenience, and paying for the cancellation fee. Thus, loyal consumers are generally more confident in their purchase decisions.

Consumers now demand service companies to be empathetic and interact with the consumers on regular basis (Worth, 2017). Furthermore, following the increasing availability of airline and hospitality services, consumers demand has increased and shifted from purchase based transactions to interaction based purchasing (Llopis, 2014). Consumers now will see purchasing airline and hospitality services is beyond a one-time cash transaction and it is more of in-depth customer-company relationship building. Hence, consumer loyalty should be built to increase satisfaction.

Understanding factors that influence consumer loyalty is challenging. Previous researchers have endeavoured to examine different antecedents of consumer loyalty such as price (Zaw & Chaipoopirutana, 2014), satisfaction (Kashif, Shukran, Rehman, & Sarifuddin, 2015), service quality (Shamsudin, Razali, & Hassim, 2015), company reputation (Ali, Gao, & Rehman, 2014), and commitment (Pratminingsih, Lipuringtyas, & Rimenta, 2013). Although previous studies have tried to investigate these antecedents, consumer loyalty remains ambiguity that demand further exploration (Kim, Lee, & Lee, 2007). Despite the close linkage in the concept of involvement and consumer loyalty (Khan & Rizwan, 2014) limited studies have actually investigated the relationship between consumer involvement and consumer loyalty in airline and hospitality.

In addition, the dimensionality of consumer involvement is inconsistent. Hollebeek, Glynn, and Brodie (2014) considered consumer involvement as a unidimensional construct. Some other researchers (e.g., Michaelidou & Dibb, 2008; Hanaee, Khoshpanjeh, & Rahnama, 2011) considered it as a multidimensional construct. Thus, the current research includes five dimensions of consumer involvement, specifically importance, pleasure, risk consequence, risk probability, and sign as suggested by Srivastava and Sharma (2011) to have a comprehensive insight into consumer involvement.

Present study also aimed to examine the relationship between consumer involvement and consumer loyalty and further elaborate the relationship by considering consumer online engagement as the mediator. As mentioned earlier, the increasing usage of the social media has provided the insufficient understanding on consumer involvement, consumer online engagement, and consumer loyalty from airline and hospitality services. In a typical consumers process, consumers will firstly get themselves involved by having interests towards the services. Subsequently, they will start to follow the the social media of the service companies and started to think of the products. With the prolong exposure to the service company, consumers will gradually become loyal consumers.

Previous studies (Hollebeek et al., 2014; So, King, & Sparks, 2014) have proposed that consumer involvement may influence consumer engagement and in turn modify their loyalty, thus urging researchers to unearth the underlying relationship between these variables. Given that the empirical studies conducted to determine the relationship of consumer involvement, consumer online engagement, and consumer loyalty were limited, current study consider consumer online engagement as the mediator of consumer involvement and consumer loyalty.

Furthermore, most studies have been inconsistent with the dimension of consumer online engagement. This variable can be unidimensional or multidimensional. Numerous approaches that made for both uni-dimension and multi-dimension views are presented in research. Several researchers (e.g., Bowden, 2014; Vivek, Beatty, & Morgan, 2012) have focused on one dimension of consumer engagement. Nonetheless, previous researchers (Brodie, Hollebeek, Juric, & Ilic, 2011; So et al., 2012) have disclosed that uni-dimensional engagement is simple yet unable to reflect the comprehensive concept of consumer engagement. Further, Jaakkola and Alexander (2014) explained that customers has multiple ways to stay engaged and not limiting themselves on behaviour engagement. Thus, multi-dimensional of consumer online engagement was used.

Dwivedi (2014) adopted vigor, dedication, and absorption dimensions of consumer brand engagement. However, this set of multi-dimensional engagement has the possibility of overlapping. The definition of vigor and absorption dimension is closely interrelated. According to Dwivedi (2014), vigor refers to the high level of energy and mental resilience with the brand while absorption refers to the concentration and happiness while interacting. Meanwhile other researchers have used cognitive, emotional, and behavioural dimensions as brand engagement dimensions (Brodie, Ilic, Juric, & Hollebeek, 2013; Hollebeek, 2010), while others have used cognitive, affective, and activation dimensions (Hollebeek et al., 2014). However, due to the inconsistency of dimensions adopted by previous studies, this research applies affective, behavioural, and cognitive as the dimensions of consumer online engagement. This is because affective, behaviour, and cognitive dimension is the root of the affective, activation, and cognitive dimension (Erdogmus & Tatar, 2015). Further, applying this set of dimension could obtain a comprehensive understanding on this construct.

Besides that, previous studies have examined the difference in consumer loyalty of various industries among Generation X and Y (Gurau, 2012; Spáčil & Teichmannová, 2016; Yang & Lau, 2015). Despite variety of studies have been conducted, the differences of Generation X and Y in consumer loyalty have made it stand out to be a moderator in this study. For example, Mansori, Cheng, and Lee (2012) have found Generation X and Y is able to moderate the relationship between perceived benefits and website characteristics. However, to the best of the researcher's knowledge, none of them has looked into Generation X and Y to moderate the relationship between consumer online engagement and consumer loyalty.

According to Gibson, Greenwood, and Murphy (2009), Generation X and Y have different degrees of loyalty could probably influence the relationship between consumer online engagement and consumer loyalty. This is because of the cultural differences, environment, and exposure that mould the Generation X and Y to be dissimilar in term of their loyalty (Alwin & McCammon, 2003). Thus, generation differences may have the ability to influence the strength or direction of a certain relationship. Generation differences is a vital component of measuring the changes of consumer preferences (Jennings, Giorgio, Murali, & Goggin, 2014). Additionally, in recent years Generation X and Y were deemed as important consumers due to their exploration, emotion, and interaction with the airline and hotels brand (Tutek, Gebbie, & Chan, 2015). Therefore, this research is conducted to investigate the moderating effect of Generation X and Y on consumer loyalty.

1.3 Research Questions

This research intends to study consumer loyalty in airline and hospitality services with the mediating effect of consumer online engagement and moderating effect of Generation X and Y. This research also makes an effort to answer the following questions:

1. What is the level of consumer loyalty in airline and hospitality services among Generation X and Y?
2. How does consumer involvement affect consumer loyalty in airline and hospitality services?
3. Does consumer online engagement mediate the relationship between consumer involvement and consumer loyalty?
4. Do Generation X and Y moderate the relationship between consumer online engagement and consumer loyalty?

1.4 Significance of the Study

This study can be discussed from theoretical and practical significance. The present study is expected to benefits academicians, airline and hospitality marketers, and consumers in understanding consumer behaviour. The findings are expected to provide enlightenment about the relationship between consumer involvement, consumer online engagement, and consumer loyalty in airline and hospitality services.

1.4.1 Theoretical Significance

This research integrates Service-Dominant Logic theory and 3H's Model to explain the foundation of the conceptual framework. Many researchers (Chathoth, Ungson, Harrington, & Chan, 2015; Hollebeek et al., 2014; Hollebeek, Srivastava, & Chen, 2016; Kandampully, Zhang, & Bilgihan, 2014; Kumar, Aksoy, Donkers, Venkatesan, Wiesel, & Tillmanns, 2010) have applied Service-Dominant Logic theory to serve as the basis of consumer engagement variable. There are limited researchers (Blazquez-Resino, Molina, & Esteban-Talaya, 2013) that applied Service-Dominant Logic theory to explain consumer loyalty. Thus, this research uses Service-Dominant Logic theory as a theoretical foundation to explain consumer online engagement and consumer loyalty in airline and hospitality services. Additionally, application of a single theory is insufficient to act as the basis of this research framework due to the complexity of the framework with numerous constructs and dimensions. It is best to apply combinations of theory and models to fully explain the conceptual framework. Hence, 3H's Model is applied to elucidate the dimensions of consumer online engagement: affective, behavioural and cognitive. In 3H's Model, the component of head, hands, and heart is fundamental explanation of consumer online engagement phenomena with respect to the dimensionality. Prior to this study, Reitz (2012) had applied this model to explain consumer engagement dimensions in a social media context of study. To date, there is no research done to integrate both Service-Dominant Logic theory and 3H's Model. This research is beneficial for academicians to improve their understanding of consumer online engagement and consumer loyalty in airline and hospitality services.

This study incorporates Generation X and Y to moderate the relationship between consumer online engagement and consumer loyalty. According to Beldona (2005), a group of individual with the same birth will share a mutual experience. Thus, the generational cohorts possible share the mutual behaviour. Previous studies have compared the differences in consumption behaviour of smartphones, apparels, and banking among Generation X and Y (Gafni & Geri, 2013; Giovannini, Xu, & Thomas, 2015; Heaney, 2007). Other researchers such as Yang and Lau (2015) had compared Generation X and Y loyalty at luxury hotel in China. Yang and Lau (2015) examined Generation X and Y as a moderator to test the relationship between perceived hotel quality and consumer loyalty in China. However, no known study has considered Generation X and Y as a moderator to explain the relationship between consumer online engagement and consumer loyalty.

Apart from that, this research investigates consumer online engagement to mediate the relationship between consumer involvement and consumer loyalty. Dwivedi (2015) used consumer engagement as an independent variable. Hollebeek et al. (2014) incorporated consumer engagement to mediate the relationship between consumer involvement and self-brand connection with brand usage intent. Altschwager, Conduit, Bouzdine-Chameeva, and Goodman (2014) examined consumer brand engagement to mediate the relationship between experience and brand purchase intention. However, these researchers tested consumer engagement inconsistently. For instance, Hollebeek

et al. (2014) and Altschwager et al. (2014) considered consumer involvement as a unidimensional construct in online brand communities and wine industry, respectively and used consumer engagement construct as cognitive, affection and activation. On the other hand, Altschwager et al. (2014), used consumer engagement as a unidimensional construct. Furthermore, these studies do not focus in the airline and hospitality services but focus on online brand communities and wine industry respectively.

Consumer online engagement has been considered as a comprehensive dimension and is one of the significance of this study. The previous research had difficulties in identifying the dimensionality of consumer engagement as several researchers (eg., Van Doorn, Lemon, Mittal, Naas, Pick, Pirner, & Verhoef, 2010; Verhoef, Reinartz, & Krafft, 2010) claimed that consumer engagement is behavioural. On contrary, some researchers (Dwivedi, 2015; Hollebeek et al., 2014; Vivek et al., 2012) have viewed consumer engagement as a multidimensional construct in a broader perspective and consist of several dimensions. The complexity in determining the dimensionality of consumer online engagement is undeniable. Dessart, Veloutsou, and Morgan-Thomas (2015) suggested that empirical studies have to confirm the dimensionality of consumer engagement. Hence, this study empirically tests consumer online engagement as a mediator with affective, behavioural and cognitive dimensions to gain a complete review.

Additionally, this research has also employed consumer online engagement as the mediator between the relationship of consumer involvement and consumer loyalty. Past studies (Zhao, Lynch, & Chen, 2010) had used consumer engagement as the mediator between consumer involvement and brand usage intention. However, no prior study has been conducted to examine the mediating effect of consumer online engagement with its dimensions individually on the relationship between consumer involvement and consumer loyalty. Therefore, this study examines consumer online engagement as the mediator and tests the mediating effect separately according to their dimensions.

This study focuses on the dimensionality of consumer involvement, specifically importance, pleasure, sign, risk consequence, and risk probability. Although previous researchers had studied consumer involvement but there are inconsistency in identifying the dimensions of consumer involvement. Consumer involvement can be multidimensional, which is usually applied in goods industry, (Choubtarash, Mahdiah, & Marnani, 2013; O'Cass, 2003; Rahbarian & Meshkani, 2013). However, some researchers (e.g. Dimanche, Havitz, & Howard, 1991; Hochgrafe, Faulk, & Vieregge, 2009) had applied multiple dimensions of consumer involvement construct in service industry. Since no prior study has tested the multidimensionality of consumer involvement, this present study proposes consumer involvement as a multidimensional construct in airline and hospitality service sectors in Malaysia.

Lastly, this study examines the relationship between consumer involvement and consumer loyalty in airline and hospitality services in Malaysia. Some researchers have studied consumer involvement as an independent variable, whereas some as a moderator. Past studies conducted in Malaysia that investigated the relationship between consumer involvement and consumer loyalty looked into sportswear and mobile phones (Lada, Sidin, & Cheng, 2015; Vazifehdoost, Vaezi, & Jafari, 2015).

Generally, most researchers focused on loyalty-related variables such as satisfaction, trust, word of mouth, and commitment (Amim, Ahmad, & Lim, 2012; Akhter, Abbasi, Ali, & Afzal, 2011; Megdadi, Aljaber, & Alajmi, 2013; Sarwar, Abbasi, & Pervaiz, 2012; Virvilaite, Tumasonyte, & Sliburyte, 2015). Given that limited available studies, this research attempts to fill in the research gap by explore the relationship between consumer involvement and consumer loyalty in airline and hospitality services further.

1.4.2 Practical Significance

This thesis is beneficial for consumers by serving as a guidelines to Generation X and Y. Consumers who born between the years range as determined by Generation X and Y will further recognize themselves. This research determined to reveal the behavior differences of Generation X and Y towards consumer loyalty in airline and hospitality services through social media. Their engagement though online social media could influence their loyalty may not only depending on their age range but more towards other factors. Through this study, they could further get to know their cause of engagement and degree of loyalty that could influence them to make a wiser choice in the market.

Next, consumers could read this research and serve as an information source for their own knowledge. Current research has examined consumer involvement, consumer online engagement, and consumer loyalty though online social media. This research further delineates that consumers could involve through importance, pleasure, sign, risk consequence, and risk probability and slowly turn to loyal consumers. This research provides understanding of consumer involvement, consumer online engagement and consumer loyalty of which may better prepare consumers to become knowledgeable consumers. Many marketing strategies have been designed to capture the attention from consumers before purchasing decisions are made. Consumers have to understand the marketing strategies and knowledgeable enough to judge the strategies developed by the marketers in order to become competent.

This research could also serve as a detailed input to the study materials in the subject regarding consumer loyalty to the education provider. This research has provided a comprehensive review of the consumer involvement, consumer online engagement, and consumer loyalty among Generation X and Y in airline and hospitality services. The findings could enhance the understanding of the students of consumer science to another in depth level. Educating students at the young age regarding consumer

behavior could boost the knowledge of the people. Students at the younger age are able to remember the importance of consumer knowledge deeply for their self-protection. Besides that, the information could also spread to a wider range of coverage range. Students could use a layman terms and creative graphical content to spread the information to encourage better understanding of common consumers.

On the other hand, this research is also beneficial to the marketers by increasing the awareness of consumer loyalty's importance specifically in airline and hospitality services. Building consumer loyalty can provide numerous advantages to the marketers. One of the advantages is ensure their success and profitability as loyal consumers are likely to repurchase and spend more on the services (Dehghan & Shahin, 2011). Consumer loyalty is stronger in service industry due to human involvement during purchasing process (Rai & Srivastava, 2012). Marketers are required to build consumer loyalty in order to attain and maintain a long-term relationship with consumers. Thus, this study is significant to the marketers to cultivate consumer loyalty.

Furthermore, this research highlights the essential elements of consumer online engagement in airline and hospitality services. Consumer online engagement can identify the intermediary process between consumer involvement and consumer loyalty. This study will benefit both marketers and managers to understand the importance of consumer online engagement to consumer loyalty. They can develop programs or strategies to engage their consumers effectively. Knowledge on the influence of consumer online engagement is crucial for marketers to formulate persuasive marketing strategies. The current research is expected to provide marketers and academicians with knowledge on consumer online engagement and consumer loyalty in airline and hospitality services.

Next, this study provides suggestions for marketers to create marketing strategies for Generation X and Y. By possessing target marketing, marketers can ensure better implementation of marketing strategies for different consumers. Previous researchers have found out that Generation X and Y may behave differently in term of loyalty. Yang and Lau (2015) found out that Chinese consumers, Generation X and Y, had different ways of building loyalty for luxury hotel. The authors noted that Generation Y were price conscious and regarded lower priced goods as inferior goods, while Generation X were generous and loyal to high quality products and services. This research enables the marketers to identify the differences between both the generations and customise a loyalty program for them.

1.5 Research Objectives

The objectives of the present study are:

1. To measure the level of consumer loyalty in airline and hospitality services among Generation X and Y.
2. To determine the relationship between consumer involvement (importance, pleasure, sign, risk consequence, and risk probability) and consumer loyalty in airline and hospitality services.
3. To determine the mediating effect of consumer online engagement (affective, behaviour, and cognitive) on the relationship between consumer involvement and consumer loyalty.
4. To ascertain the moderating effect of Generation X and Y on the relationship between consumer online engagement and consumer loyalty.

1.6 Research Hypotheses

This research investigates the relationship between consumer involvement and consumer loyalty in airline and hospitality services. Russell-Bennett, McColl-Kennedy, and Coote (2017) revealed that category involvement posts as a potential driver of consumer loyalty. Furthermore, Mashayekhi, Khodabakhsh, and Tabatabayi (2014) noted that one of the loyalty key driver is consumer loyalty. Thus, the below hypothesis were proposed:

H1: There is a significant relationship between consumer involvement and consumer loyalty.

Chalil and Dharmmesta (2015) discovered that highly involved consumers found products or services to be compatible with their hobby and were willing to search for more information regarding the products or services. During the search, consumers tended to be exposed to airline and hospitality services and would gradually build loyalty with the service company. Thus, this research believes that positive importance in consumer involvement would positively influence the consumer loyalty. The following hypothesis is proposed:

H1a: There is a positive relationship between importance and consumer loyalty in airline and hospitality services.

Consumers feel pleasure when using services offered by the airline or hotels. In airline services, consumers enjoy the in-flight environment provided by the airline company such as the seats, music, food, space, and personal television, all of which determine whether the journey is pleasurable or otherwise. When products or services provided sufficient emotional appeal and pleasure value, consumers tended to have favourable feeling towards the company (Chaudhuri & Holbrook, 2001) and eventually become loyal consumers of the service company. Thus, the pleasure value positively influences consumer engagement. The proposed hypothesis is as follow:

H1b: There is a positive relationship between pleasure and consumer loyalty in airline and hospitality services.

The perceived symbolic value is usually associated with the individual's social status, personality, and identity (Chalil & Dharmmesta, 2015). For instance, hotel regarded as a high social class hotel service could enable consumers to gain prestige from the consumption of the hotel services. Firat, Kutucoglu, Arikan Saltik, and Tuncel (2013) found that the symbolic value of a product or services can influence consumer's consumption behaviour. In a study of marketing branding, (Li & Sun, 2015) found that symbolic value is essential in the consumer's loyalty towards the brand. In this study, it is believed that consumers associate airline and hospitality services with their image, personality or social status. Therefore, this research proposed the following hypothesis:

H1c: There is a positive relationship between sign and consumer loyalty in airline and hospitality services.

Grebitus, Colson, and Menapace (2011) indicated that consumers with higher risk consequences tends to make frequent purchase of higher priced items than usual consumers. They will spend more time in making decision, because once they are purchasing higher priced items, they are not afford to make a mistaken item or wronged choice. This may be due to the price they have paid for the item. Thus, for the item they care, they would spend more time to make the decision. Customers' concern on towards the certain service company on their purchasing behavior and attitude are considered as a term of loyalty in terms of emotional attachment (Levy & Hino, 2016). This may reasonable to conclude that risk consequences will positively influence consumer loyalty.

H1d: There is a positive relationship between risk consequence and consumer loyalty in airline and hospitality services.

According to Dowling (1986), perceived risk is the negative perception of the consumers to the service company due to the recognition of loss. Consumers foresee high possibility of mistaken purchase and incompatibility to the services. Thus, consumers are prone to the risk taken. This happen because the consumers do not trust he service company. According to Pratminingsih, Lipuringtyas, and Rimenta (2013), trust is positively strong in influencing loyalty. Consumers who does not trust the service company are unable to build consumer loyalty. Hence, the aforementioned argument hypothesized that:

H1e: There is a negative relationship between risk probability and consumer loyalty in airline and hospitality services.

According to Hollebeek et al. (2014), consumer involvement is a precursor of consumer engagement. Involved customers are prone to have emotional attachment and respond shifty towards marketing effort and promotions (Flynn, 2012). Thus, involved consumers have greater willingness to be engaged with the service company and its marketing strategies. Harrigan, Evers, Miles, and Daly (2017) suggested that consumer engagement and its dimensions of affective, behaviour, and cognitive are able to influence behavioural intention of loyalty. Besides that, other researchers (Bowden, 2009; Hollebeek, 2011) also proposed that consumer engagement is the predictor of loyalty. Thus, this research proposed that consumer involvement is significantly influencing consumer online engagement and its dimensions and in turn influencing consumer loyalty over time. The following hypotheses were presented.

H2: Consumer online engagement mediates the relationship between consumer involvement and consumer loyalty.

H2a: Affective engagement mediates the relationship between consumer involvement and consumer loyalty.

H2b: Behaviour engagement mediates the relationship between consumer involvement and consumer loyalty.

H2c: Cognitive engagement mediates the relationship between consumer involvement and consumer loyalty.

According to Lissitsa and Kol (2016), Generation X and Y are characterized by higher rates of Internet adoption compare to those older generations. Surprisingly, their levels of loyalty are different. According to Reisenwitz and Iyer (2009), Generation X is more loyal than Generation Y. The possible reason is Generation Y is a heavy user of internet who accept new technologies and build a close relationship with others

through internet (Kumar and Lim, 2008). Besides that, Generation Y also exposed with excessive choices and promotions offers by various companies. Therefore, generation differences could give impact to the changes of consumer behaviour and moderate the relationship of consumer online engagement and consumer loyalty. The following hypothesis was proposed:

H3: Generation X and Y moderates the relationship between consumer online engagement and consumer loyalty.

1.7 Scope and Limitations of Study

This research aims to examine the relationship between consumer involvement, consumer online engagement, and consumer loyalty. To be precise, this study focuses specifically on hotel and airline sectors. Therefore, the respondents are limited to those who had previously booked hotel or purchased airline tickets through online.

This study also attempts to explore the mediating effect of consumer social engagement on the relationship between consumer involvement and consumer loyalty. Since the mediation role of consumer engagement is focusing on social media engagement, the selected respondents are those active social media users determined by equation calculation. In order to ensure the respondents are active in social media, 'Survey Monkey' is used to distribute the questionnaire. It is an online survey software which enables the researcher to pre-determine the respondent criteria. Self-administrative questionnaires are distributed online through Facebook. Since the number of online users was unknown, hence the sample size of this research is determined through equation calculation. Total of 422 respondents online users in this study are selected by using online survey software through social media. In addition, non-probability sampling method specifically convenience sampling technique are used to gain sample from the unknown population.

Furthermore, this research investigates the moderating effect of Generation X and Y on the relationship between consumer online engagement and consumer loyalty. It is important for the researcher to ensure that the respondents are in the age range between 18 and 53. Besides that, an equal portion of Generation X and Generation Y is required to ensure the accuracy of the data in examining the moderation effect of Generation X and Y. As a summary, fulfilment of the pre-determined criteria is essential in obtaining suitable respondents. The pre-determined criteria are include of age, purchasing experience, and online social media user to ensure the research data are appropriate and met the scope of the study successfully.

However, there are two limitations observed in this research. The first limitation is non-probability sampling and sample size does not guarantee the generalisation of the samples. The second limitation is this research cannot control the truthfulness of the respondents when answering the questionnaire. This research is expected to bring valuable information on the relationship between consumer involvement, consumer online engagement, and consumer loyalty in airline and hospitality services.

1.8 Definitions of Main Terms

1.8.1 Consumer Involvement

Conceptual: An individual's level of interest and personal relevance in relation to a focal object or decision in terms of one's basic values, goals and self-concepts (Zaichkowsky, 1985).

Operational: Consumer involvement is defined as the level of importance, pleasure, sign, risk consequence, and risk probability among consumers towards the airline and hospitality service company.

i. Importance

Conceptual: Importance refers to the perception of consumers in a product with personal meanings (Laurent & Kapferer, 1985).

Operational: Importance is defined as the degree of significance of a service to a consumer whereby the service represents some personal meanings. Importance also means a consumer's interest towards the airline and hospitality services company.

ii Pleasure

Conceptual: Pleasure is felt by the consumers through an emotional evaluation during actual service consumption (Westbrook, 1987). Bigne, Andreu, and Gnoth (2005) defined pleasure as the degree of a good feeling.

Operational: Pleasure refers to the level of happiness, enjoyment, delightful, and comfort of consumers while they are exposed to the airline and hospitality services.

iii Sign

Conceptual: Sign refers to the distinguisher of an object with another in order to form a name (Bastos & Levy, 2012).

Operational: Sign is a symbolic value and hidden meaning of an airline or hospitality service company that differentiates a company from another.

iv Risk Consequence

Conceptual: Risk consequence is the consumer perception in the consequences after a mistaken choice is made (Laurent & Kapferer, 1985).

Operational: Risk consequence measures the level of importance to uncertain consequences after the consumers made a wrongful mistake by choosing an unsuitable airline and hospitality service company.

v Risk Probability

Conceptual: Risk probability is defined as a consumer's perception in probability of making a wrong choice (Laurent & Kapferer, 1985).

Operational: Risk probability is defined as the degree of possibility of selecting an inappropriate airline and hospitality service provider by consumers.

1.8.2 Consumer Online Engagement

Conceptual: Consumer online engagement is defined as a cognitive, affective and behavioural commitment to an active relationship with the brand (Wirtz, Den Ambtman, Bloemer, Horvath, Rameseshan, Van De Klundert, Gurhan, & Kandampully, 2013).

Operational: Consumer online engagement is a personal online connection manifested through affective, behaviour and cognitive responses beyond purchasing behaviour. Online engaged consumers also hold a strong bond with the airline and hospitality service company.

i Affective Engagement

Conceptual: Affective engagement is a consumer's enduring level of emotion with an engagement object (Calder, Isaac, & Malthouse, 2013).

Operational: Affective engagement measures a consumer's emotional attachment and connection with the airline and hospitality service company. Affective engaged consumers may have favourable feeling towards the service company.

ii Behaviour Engagement

Conceptual: According to Van Doorn et al. (2010), behaviour engagement is an action beyond purchase transaction, which is the manifestation from the motivational drivers.

Operational: Behaviour engagement is an action performed by a consumer who connects an airline and hospitality service company greater than purchasing behaviour. Behaviour engaged consumers may react positively and share the posts of the service company.

iii Cognitive Engagement

Conceptual: Cognitive engagement refers to the mental states of a consumer based on the experiences with the engagement focus object (Mollen & Wilson, 2010).

Operational: Cognitive engagement is the degree of a consumer's mental connection and attachment to the airline and hospitality service company. Cognitive engaged consumers may continuously thinking of the service company.

1.8.3 Consumer Loyalty

Conceptual: According to Oliver (1997), customer loyalty is defined as a deeply held commitment to repurchase or re-patronise a preferred product/service in future, thereby causing repetitive same-brand or same brand-set purchasing.

Operational: Consumer loyalty is defined as repeated repurchase of hotel rooms or flight tickets and hold favourable attitudes to the services. It refers to the possibility of recommending the services to potential consumers.

1.8.4 Social Media

Conceptual: Social media is equipment to shared content, opinions, views, and ideas through online (Nair, 2011).

Operational: Social media is a tool of communication between consumers and service providers. Social media is also a user-generated content website on the internet which allow the interactivity of service company and consumers. The social media sites are including of Facebook, Twitter, and Instagram.

1.9 Organization of Thesis

Consumer loyalty has been prominent in tourism and hospitality industry. The invention of technology has provided consumers more options to choose from. If a company wants to enhance consumer loyalty to enable consumers to make repetitive purchase, it needs to consider how consumer involvement influences consumer loyalty. This thesis consists of five chapters.

Chapter One discusses the research background and outlines the problem statement and research objectives. It delineates the research questions, hypotheses, and significant of the study. The primary areas are consumer loyalty, consumer involvement, consumer online engagement, and the moderating effects of Generation X and Y.

Chapter Two reviews previous research theoretically and empirically in the area of hotel and airline sector. This chapter presents the relationships between the research variables that are illustrated in the proposed conceptual model. This chapter also explains the theoretical foundation and research framework.

Chapter Three discusses the research methodology including research design, sample size, sampling procedure, and instruments development. This chapter includes assessment of pre-test, data collection technique, and data analysis such as descriptive statistics and structural equation modelling (SEM).

Chapter Four delivers the results of the data analysis. This chapter delineates the results of the respondents' profile, online social media usage patterns, and relationships between the variables.

Chapter Five presents the summary of the findings, conclusions, and recommendations for future research. This chapter also discusses the managerial and academic implications and limitations of the present research.

REFERENCES

- Abdi, H., Chin, W.W., Vinzi, V.E., Russolillo, G., and Trinchera, L. (2013). *New Perspectives in Partial Least Squares and Related Methods*, London: Springer.
- Abu Bakar, J., Hamzah, M.S.G., and Muhammad, M.M. (2014). *Crisis management-Malaysian aviation tragedies*. Proceeding presented at International Conference on Innovative Trends in Multidisciplinary Academic Research. Turkey: Global Illuminators.
- Adapa, S. and Roy, S.K. (2016). Case study 6: Malaysian Airlines versus AirAsia: Customer satisfaction, service quality and service branding. *Services Marketing Cases in Emerging Markets*, 67-75. Retrieved from: https://link.springer.com/chapter/10.1007%2F978-3-319-32970-3_8
- Agarwal, S., Chomsisengphet, S., Ho, T., and Qian, W. (2013). Cross-border shopping: Do consumers respond to taxes or prices? Retrieved from: <http://www.fas.nus.edu.sg/ecs/events/seminar/seminar-papers/16Apr13.pdf>
- Aguinis, H., Edwards, J.R., and Bradley, K.J. (2016). Improving our understanding of moderation and mediation in strategic management research. *Organizational Research Methods*, 17, 210-251.
- Ahlowalia, S., Tiwary, D., and Jha, A. (2014). Employee engagement: A structured theoretical review. *The International Journal of Business and Management*, 2(6), 309-317.
- Ahmad, A. and Thyagaraj, K.S. (2015). Understanding the influence of brand personality on consumer behavior. *Journal of Advanced Management Science*, 3(1), 38-43.
- Ahmad, H. and Ibrahim, B. (2015). Leadership and the characteristic of different generational cohort towards job satisfaction. *Procedia - Social and Behavioral Sciences*, 204, 14-18.
- Ahmad, M.A.R., Ismail, Z., and Halim, H.A. (2016). Awareness and perception of taxpayers towards goods and services tax (GST) implementation. *International Journal of Academic Research in Business and Social Sciences*, 6(11), 75-93.
- Ahmad, N., Vveinhardt, J., and Ahmed, R.R. (2014). Impact of word of mouth on consumer buying decision. *European Journal of Business and Management*, 6(31), 394-403.

- Ahn, Y., Kim, I., and Hyun, S.S. (2015). Critical in-flight and ground-service factors influencing brand prestige and relationships between brand prestige, well-being perceptions, and brand loyalty: First-class passengers. *Journal of Travel & Tourism Marketing*, 32(1), 5114-5138.
- Akar, E. and Topcu B. (2011). An examination of the factors influencing consumers attitudes toward social media marketing. *Journal of Internet Commerce*, 10, 1-35.
- Akbar, S. and Abu Bakar. (2011). Factors affecting the consumer's decision on purchasing power. *Journal of Economics and Behavioural Studies*, 2(3), 108-116.
- Akhter, W., Abbasi, A.S., Ali, I., and Afzal, H. (2011). Factors affecting customer loyalty in Pakistan. *African Journal of Business Management*, 5(4), 1167-1174.
- Akiva, T., Cortina, K.S., Eccles, J.S., and Smith, C. (2013). Youth belonging and cognitive engagement in organized activities: A large-scale field study. *Journal of Applied Developmental Psychology*, 34, 208-218.
- Akpoyomare, O.B., Adeosun, P.K., and Ganiyu, R.A. (2012). The influence of product attributes on consumer purchase decision in the Nigerian Food and beverages industry: A study of Lagos metropolis. *American Journal of Business and Management*, 1(4), 196-201.
- Alba, J.W. and Williams, E.F. (2012). Pleasure principles: A review of research on hedonic consumption. *Journal of Consumer Psychology*. Retrieved from: <https://static1.squarespace.com/static/50a5e160e4b0e80bad9bfe3d/t/50ac6e29e4b0a2435809d40c/1353477673821/Alba+%26+Williams+2012.pdf>
- Ali, R., Gao, L., and Rehman, R. (2014). Factors influencing customer loyalty of banking industry: Empirical evidence from Pakistan. *International Journal of Learning and Development*, 4(2), 9-26.
- Alsanie, S.I. (2015). Social media (facebook, twitter, whatsapp) used, and it's relationship with the university students contact with their families in Saudi Arabia. *Universal Journal of Psychology*, 3(3), 69-72.
- Altschwager, T., Conduit, J., Bouzdine-Chameeva, T., and Goodman, S. (2014). *Customer engagement: A comparison between Australian and french wine events*. Academy of Wine Business Research. 8th International Conference. Geisenheim, Germany.
- Alwin, D.F. and McCammon, R.J. (2003). *Generations, cohorts, and social change in J.T. Mortimer and M. Shanahan (Eds). Handbooks of the Life course (2-49)*. New York: Plenum.

- Ambroz, M. and Praprotnik, M. (2008). Organisational effectiveness and customer satisfaction. *Organizacija*, 41(5), 161-173.
- American Hotel & Lodging Association (2015). *New study reveals: Some 15 million online bookings are scams by rogue websites*. Retrieved from: <https://www.ahla.com/press-release/new-study-reveals-some-15-million-online-bookings-are-scams-rogue-websites>
- Amim, S.M., Ahmad, U.N.U., Lim, S.H. (2012). Factors contributing to customer loyalty towards telecommunication service provider. *Procedia-Social and Behavioural Sciences*, 40, 282-286.
- Anderson, J. C. and Gerbing, D. W. (1984). The effect of sampling error on convergence, improper solutions, and goodness-of-fit indices for maximum likelihood confirmatory factor analysis. *Psychometrika*, 49, 155–173.
- Andrei, A.G. (2012). A word-of-mouth approach for word-of-mouth measurement. *The USV Annals of Economics and Public Administration*, 12(1), 87-93.
- Anic, I. (2010). Attitudes and purchasing behavior of consumers in domestic and foreign food retailers in Croatia. *Zbornik radova Ekonomskog fakulteta u Rijeci: časopis za ekonomsku teoriju i praksu*, 28(1), 113-133. Retrieved from: [file:///C:/Users/User/Downloads/anic_eko_zbornik_2010_1%20\(1\).pdf](file:///C:/Users/User/Downloads/anic_eko_zbornik_2010_1%20(1).pdf)
- Antonides, G., Verhoef, P.C., and Aalst, M. (2002). Consumer perception and evaluation of waiting time: A field experiment. *Journal of Consumer Psychology*, 12(3), 193-202.
- Appleton, J.J., Christenson, S.L., Kim, D., and Reschly, A.L. (2006). Measuring cognitive and psychological engagement: Validation of the student engagement instrument. *Journal of School Psychology*, 44, 427-445.
- Ariff, M.S.M., Sylvester, M., Zakuan, N., Ismail, K., and Ali, K.M. (2014). Consumer perceived risk, attitude and online shopping behaviour: Empirical evidence from Malaysia. *Materials Science and Engineering*, 58. Retrieved from: <http://iopscience.iop.org/article/10.1088/1757-899X/58/1/012007/pdf>
- Baker, D. and Crompton, J. (2000). Quality, satisfaction and behavioural intentions. *Annals of Tourism Research*, 27(3), 785-804.
- Baker, J. and Cameron, M. (1996). The effects of the service environment on affect and consumer perception of waiting time: An integrative review and research propositions. *Journal of the Academy of Marketing Science*, 24(4), 338-349.
- Ball, B.E. (2014). Social media is it really for baby boomers. Retrieved from: <https://www.prepare1.com/social-media-baby-boomers/>

- Banyte, J. and Dovaliene, A. (2014). Relations between customer engagement into value creation and customer loyalty. *Procedia- Social Behavioural Science*, 156, 484-489.
- Baron, R.M. and Kenny, D.A. (1986). The moderator-mediator variable distinction in social psychological research: Conceptual, strategies and statistical considerations. *Journal of Personality and Social Psychology*, 51(6), 1173-1182.
- Bastos, W. and Levy, S.L. (2012). A history of the concept of branding: Practice and theory. *Journal of Historical Research in Marketing*, 4(3), 347-368.
- Bateman, T. and Crant, J.M. (1999). Proactive behavior: Meaning, impact, recommendations. *Business Horizons*, 42(3), 63-73.
- Beheshti-Kashi, S. and Makki, B. (2013). Social media news: Motivation, purpose and usage. *International Journal of Computer Science and Information Technology*, 5(2), 97-105.
- Bejtkovsky, J. (2016). The current generations: The baby boomers, x, y and z in the context of human capital management of the 21st century in selected corporations in the Czech Republic. *Littera Scripta*, 9(2), 25-45.
- Beldona, S. (2005). Cohort analysis of online travel information search behavior: 1995-2000. *Journal of Travel Research*, 44, 135-142.
- Beldona, S., Nusaira, K., and Demicco, F. (2009). Online travel purchase behaviour of generational cohorts: A longitudinal study. *Journal of Hospitality Marketing and Management*, 18(4), 406-420.
- Belk, R.W. (1988). Possessions and the extended self. *Journal of Consumer Research*, 15, 139-168.
- Bendapudi, N. and Berry, L.L. (1997). Customers motivations for maintaining relationships with service providers. *Journal of Retailing*, 73(1), 15-37.
- Bentler, P.M. and Chou, C. (1987). Practical issues in structural modeling. *Sociological Methods and Research*, 16, 78-117.
- Bhattacharjee, A. (2012). *Social science research: Principles, methods and practices*, 2nd edition., United States America: University of South Florida.
- Bhattacharya, D. and Saha, D. (2015). Impact of different facets of product involvement and consideration set on teens' family purchase decision making: A multivariate analysis. *African Journal of Marketing Management*, 7(3), 32-41.

- Bigne, J.E., Andreu, L., and Gnoth, J. (2005). The theme park experience: An analysis of pleasure, arousal and satisfaction. *Tourism Management*, 26, 833-844.
- Bimonte, S. (2015). *Pleasure tourism*. In Jafari, J., and Xiao, H editions, Encyclopedia of Tourism. Springer International Publishing Switzerland. Retrieved from: 10.1007/978-3-319-01669-6_461-1
- Bird, D. and Dominey-Howes, D. (2008). Testing the use of a “questionnaire survey instrument” to investigate public perceptions of tsunami hazard and risk in Sydney, Australia. *Natural Hazard*, 45(1), 99-122.
- Biswas, A. (2016). A study of consumers’ willingness to pay for green products. *Journal of Advanced Management Science*, 4(3), 211-215.
- Bitter, S. and Grabner-Krauter, S. (2016). Consequences of customer engagement behavior: When negative Facebook posts have positive effects. *Electron Markets*, 26, 219-231.
- Bitter, S., Grabner-Krauter, S., and Breitenecker, R.J. (2014). Customer engagement behaviour in online social networks: The Facebook perspective. *International Journal of Networking and Virtual Organisations*, 14(1/2), 197-220.
- Blazquez-Resino, J.J., Molina, A., and Esteban-Talaya, A. (2015). Service-Dominant logic in tourism: The way to loyalty. *Current Issues in Tourism*, 18(8), 706-724.
- Bloch, P. H. (1981). An exploration into the scaling of consumers’ involvement with a product class. *Advances in Consumer Research*, 8(1), 61-65.
- Bogel, P.M. (2016). Company reputation and its influence on consumer trust in response to ongoing CSR communication. *Journal of Marketing Communications*. Doi: <http://dx.doi.org/10.1080/13527266.2016.1166146>
- Bonett, D.G. and Wright, T.A. (2014). Cronbach's alpha reliability: Interval estimation, hypothesis testing, and sample size planning. *Journal of Organizational Behaviour*. Retrieved from: <http://onlinelibrary.wiley.com/doi/10.1002/job.1960/abstract>
- Boven, L.V. (2005). Experientialism, materialism, and the pursuit of happiness. *Review of General Psychology*, 9(2), 132-142.
- Bowden, J.L.H. (2009). The process of consumer engagement: A conceptual framework. *Journal of Marketing Theory and Practice*, 17(1), 63-74.
- Bowen, L. and Chaffee, S.H. (1974). Product involvement and pertinent advertising appeals. *Journalism Quarterly*, 51(1), 613-644.

- Brodie, J.R., Hollebeek, L. Juric, B., and Ilic, C. (2011). Consumer engagement: Conceptual domain, fundamental propositions and implications for research. *Journal of Service Research*, 14(3), 252-271.
- Brodie, R.J. Ilic, A., Juric, B., and Hollebeek, L. (2013). Consumer engagement in a virtual brand community: An exploratory analysis. *Journal of Business Research*, 66, 105-114.
- Broniarczyk, S.M. and Griffin, J.G. (2014). Decision difficulty in the age of consumer empowerment. *Journal of Consumer Psychology*, 24(4), 608-625.
- Brons, M., Pels, E., Nijkamp, P., and Rietveld, P. (2002). Price elasticities of demand for passenger air travel: A meta-analysis. *Journal of Air Transport Management*, 8, 165-175.
- Brosdahl, D.J.C. and Almousa, M. (2013). Risk perception and internet shopping: Comparing United States and Saudi Arabian consumers. *Journal of Management and Marketing Research*, 13(1). Retrieved from: <http://www.aabri.com/manuscripts/131443.pdf>
- Bryman, A. (2008). *Social Research Methods*. (3rd Edition). United States America: Oxford University Press.
- Bryman, A., and Bell, E. (2007). *Business Research Methods*. (2nd edition.). New York: Oxford University Press.
- Cabanero, C.P. (2006). Consumer involvement in goods and services purchases. *Esic Marketing*, 73-91.
- Calder, B.J., Isaac, M.S., and Malthouse, E.C. (2013). Taking the consumer's point of view: Engagement or Satisfaction. *Marketing Science Institute*.
- Camacho, F., Anderson, R., Safrit, A., Jones, A.S., and Hoffmann, P. (2006). The relationship between patient's perceived waiting time and office-based practice satisfaction. *NC Med J*, 67(6), 409-413.
- Carpenter, J., Moore, M., Doherty, A.M., and Alexander, N. (2012). Acculturation to global consumer culture: A generation cohort comparison. *Journal of Strategic Marketing*, 20(5), 411-423.
- Cartwright, P. (2011). The vulnerable consumer of financial services: Law, policy and regulation?. Nottingham Financial Services Research Forum. Retrieved at: <https://www.nottingham.ac.uk/business/businesscentres/crbfs/documents/researchreports/paper78.pdf>
- Caruana, E.J., Roman, M., Hernandez-Sanchez, J., and Solli, P. (2015). Longitudinal studies. *Journal of Thoracic Disease*, 7(11), 537-540.

- Casimiro, L.T. (2016). Cognitive engagement in online intercultural interactions: Beyond analytics. *International Journal of Information and Education Technology*, 6(6), 441-447.
- Cesario, J., Grant, H., and Higgins, E. T. (2004). Regulatory fit and persuasion: Transfer from “feeling right”. *Journal of Personality and Social Psychology*, 86, 388-404.
- Chalil, R.D. and Dharmmesta, B.S. (2015). The role of consumer involvement as a moderating variable: The relationship between customer satisfaction and corporate image on service loyalty. *Journal of Asian Scientific Research*, 5(6), 303-319.
- Chan, T. and Cui, G. (2002). Consumer beliefs and attitudes toward marketing: An emerging market perspective. *Asia Pacific Advances in Consumer Research*, 5, 406-412. Retrieved from: <http://commons.ln.edu.hk/cgi/viewcontent.cgi?article=1036&context=hkibswp>
- Chan, Y.Y. and Mansori, S. (2016). Factor that influences consumers’ brand loyalty towards cosmetic products. *Journal of Marketing Management and Consumer Behaviour*, 1(1), 12-29.
- Chan-Olmsted, S.M., Cho, M., and Lee, S. (2013). User perceptions of social media: A comparative study of perceived characteristics and user profiles by social media. *Online Journal of Communication and Media Technologies*, 3(4), 149-178.
- Chathoth, P.K., Ungson, G.R., Harrington, R.J., and Chan, E.S.W. (2015). Co-creation and higher order customer engagement in hospitality and tourism services. *International Journal of Contemporary Hospitality Management*, 28(2), 222-245.
- Chaudhuri, A. and Holbrook, M.B. (2001). The chain of effects from brand trust and brand affect to brand performance: The role of brand loyalty. *Journal of Marketing*, 65(2), 81-93.
- Chaudhary, R.C. and Joshi, B.K. (2005). Correlation and path coefficient analyses in sugarcane. *Nepal Agriculture Research Journal*, 6, 24-27.
- Chauhan, N.M. (2013). Consumer behaviour and his decision of purchase. *International Journal for Research in Management and Pharmacy*, 2(5), 1-4.
- Chen, L.S.L., Wang, M.C.H., Cheng, J.M.S., and Kuntjara, H. (2008). Consumer involvement and brand loyalty in services: Evidence from the commercial airline industry in Taiwan. *International Journal of Services and Standards*, 4(4), 437-452.

- Cheng, B.L., Mansori, S., Gan, C.C., and Imrie, B.C. (2017). Hotel services recovery and service quality: Influences of corporate image and generational differences in the relationship between customer satisfaction and loyalty. *Journal of Global Marketing*, 1-10.
- Cheng, S.S. (2013). An empirical investigation of the effectiveness of project-based course learning within hospitality programs: The mediating role of cognitive engagement. *Journal of Hospitality, Leisure, Sport & Tourism Education*, 13, 213-225.
- Cheung, C.M.K., Lee, M.K.O., and Jin, X.L. (2011). *Customer engagement in an online social platform: A conceptual model and scale development*. Paper presented at Thirty Second International Conference on Information System, Shanghai.
- Chin, W. and Newsted, P.R. (1999). *Structural equation modelling analysis with small samples using partial least squares. Statistical strategies for small sample research*. Sage, Thousand Oaks, 307-342.
- Chin, W.W. (1998). Commentary: Issues and opinion on structural equation modelling. *MIS Quarterly*, 22(1).7-17.
- Chin, W.W., Marcolin, B.L., and Newsted, P.R. (2003). A partial least squares latent variable modeling approach for measuring interaction effects: Results from a Monte Carlo simulation study and an electronic-mail emotion/adoption study. *Information Systems Research*, 14(2), 189-217.
- Chitty, B., Ward, S., and Chua, C. (2007). An application of the ECSI model as a predictor of satisfaction and loyalty for the backpacker hostels. *Journal of Marketing Intelligence and Planning*, 25(6), 563-580.
- Cho, M., Fan, M., and Zhou, Y. (2008). Strategic consumer response to dynamic pricing of perishable products. In S. Netessine, C.S. Tang (Eds.). *Consumer-driven demand and operations management model 131*. Retrieved from: https://link.springer.com/chapter/10.1007/978-0-387-98026-3_17
- Choo, H.J., Moon, H., Kim, H., and Yoon, N. (2013). Luxury customer value. *Journal of Fashion Marketing and Management: An International Journal*, 13(2), 231-245.
- Choubtarash, N., Mahdieh, O., and Marnani, A.B. (2013). The study of the relationship between consumer involvement and purchase decision case study: Cell phone. *Interdisciplinary Journal of Contemporary Research in Business*, 4(12), 276-296.
- Christidis, N., Tsoulfa, G., Varagunam, M., and Babatzimopoulou, M. (2011). A cross sectional study of consumer awareness of functional foods in Thessaloniki, Greece. *Nutrition and Food Science*, 41(3), 165-174.

- Chung, K., Yu, J., Kim, W., and Shin, J. (2015). The effect of perceived value on customer loyalty in a low-priced cosmetic brand of South Korea: The moderating effect of gender. *Advance Science and Technology*, 11, 40-44.
- Cohen J. (1988). *Statistical Power Analysis for the Behavioral Sciences*. New York, NY: Routledge Academic
- Cohen, J. (1992). A power primer. *Psychological Bulletin*, 112(1), 155-159.
- Colucci, M. and Scarpi, D. (2013). Generation Y: Evidences from the fast-fashion market and implications for targeting. *Journal of Business Theory and Practices*, 1(1), 1-7.
- Colwell, S. and Carter, E. (2012). *Introduction to statistics for social science*. NY: McGraw-Hill.
- Conchar, M. P., Zinkhan, G. M., Peters, C., and Olavarrieta, S. (2004). An integrated framework for the conceptualization of consumers' perceived-risk processing. *Journal of the Academy of Marketing Science*, 32(4), 418-436.
- Conner, T. (2016). Relationships: The key to student engagement. *International Journal of Education and Learning*, 5(1), 13-22.
- Constanza, B. and Lynda, A. (2012). Risk, trust, and consumer online purchasing behaviour: A Chilean perspective. *International Marketing Review*, 29(3), 253-275.
- Cook, J.D., Hepworth, S.J., Wall, T.D., and Warr, P.B. (1981). *The experience of work*. San Diego: Academic Press.
- Creswell, J. W. (1994). *Research design: Qualitative and quantitative approaches*. Thousand Oaks, CA: SAGE Publications
- Creswell, J.W. (2003) *Research design: Qualitative, quantitative, and mixed methods approaches*. 2nd ed, Thousand Oaks, CA: Sage.
- Cronbach, L.J. and Meehl, P.E. (1955). Construct validity in psychological tests. *Psychological Bulletin*, 52, 281- 302.
- Cruz, A.V. (2015). *Relationship between product quality and customer satisfaction* (doctorate's thesis). Walden University. Washington, US.
- Cunningham, L.F., Gerlach, J., and Harper, M.D. (2004). Assessing perceived risk of consumers in internet airline reservations services. *Journal of Air Transportation*, 9(1), 21-35.
- Cunningham, L.F., Young, C.E., and Lee, M. (2004). Perceptions of airline service quality: Pre and post 9/11. *Public Works Management & Policy*, 9(1), 10-15.

- Curtis, T., Abratt, R., Rhoades, D.L., and Dion, P. (2011). Customer loyalty, repurchase and satisfaction: A meta-analytical review. *Journal of Consumer Satisfaction, Dissatisfaction and Complaining Behavior*, 24, 1-26. Retrieved from: <http://commons.erau.edu/cgi/viewcontent.cgi?article=1017&context=db-management>
- Czaja, R. (1998). Questionnaire pretesting comes of age. *Marketing Bulletin*, 9(5), 52-66.
- Dabholkar, P.A. (1990). How to improve perceived service quality by improving customer participation. *Developments in Marketing Science*, 13, 483-487.
- David, S. (2014). Advantages and disadvantages of Facebook. *Journal of Business Education*, 1(2), 155-162.
- Davis, B.G. and Parker, C. A. (1997). *Writing the Doctoral Dissertation: A Systematic Approach*. New York: Barrons Educational Series, Inc.
- Dawson, J.F. (2014). Moderating in management research: What, why, when, and how. *Journal of Business and Psychology*, 29, 1-19.
- Dehghan, A. and Shahin, A. (2011). Customer loyalty assessment: A case study in Maddiran, the distributor of LG electronics in Iran. *Business Management and Strategy*, 2(1), 1-23.
- Denscombe, M. (2006). Web-based questionnaires and the mode effect an evaluation based on completion rates and data contents of near identical questionnaires delivered in different modes. *Social Science Computer Review*, 24(2), 246-254.
- Department of Statistics. (2015). Current population estimates, Malaysia, 2014-2016. Retrieved from: https://www.statistics.gov.my/index.php?r=column/cthem ByCat&cat=155&bul_id=OWlxdEV0YlJCS0hUZzJyRUcvZEYxZz09&menu_id=L0pheU43NWJwRWVSZklWdzQ4TlhUUT09
- Department of Statistics. (2017). Population by ethnic group, Malaysia, 2017. Retrieved from: <http://pqi.stats.gov.my/result.php?token=04765b25c7575277936b53bc52220d36>
- Desmet, P. and Hekkert, P. (2007). Framework of product experience. *International Journal of Design*, 1(1), 57-66.
- Dessart, L., Veloutsou, C., and Morgan-Thomas, A. (2015). Consumer engagement in online brand communities: A social media perspective. *Journal of Product and Brand Management*, 24(1), 28-42.
- Devi, S. (2017). Impact of employee engagement on organizational performance: A study of select private sector banks. *International Journal of Commerce and Management Research*, 9-13.

- Dhanapal, S., Vashu, D., and Subramaniam, T. (2015). Perceptions on the challenges of online purchasing: A study from “Baby Boomers”, Generation “X” and Generation “Y” point of views. *Contaduría y Administración*, 60(1), 107-132.
- DiDonato, T.E. and Jakubiak, B.K. (2016). Strategically funny: Romantic motives affect humor style in relationship initiation. *Europe's Journal of Psychology*, 12(3), 390-405.
- Dimanche, F., Havitz, M.E., and Howard, D.R. (1991). Testing the involvement profile scale in the context of selected recreational and touristic activities. *Journal of Leisure Research*, 23(1), 51-66.
- Dimara E., Manganari, E., and Skuras, D. (2015). *Consumers' willingness to pay premium for green hotels: Fact or Fad?*. Proceedings International Marketing Trends Conference 2015. Retrieved from: <http://www.marketing-trends-congress.com/archives/2015/pages/PDF/151.pdf>
- Dodds, W.B. and Monroe, K.B. (1985). The effects of brand and price information on subjective product evaluation. *Advance in Consumer Research*, 12, 85-90.
- Dolan, R., Conduit, J., Fahy, J., and Goodman, S. (2015). Social media engagement behaviour: A uses and gratifications perspective. *Journal of Strategic Marketing*, 24, 261-277.
- Dovaliene, A., Masiulyte, A., and Piligrimiene, Z. (2015). The relations between customer engagement, perceived value and satisfaction: The case of mobile applications. *Procedia Social and Behavioral Sciences*, 213, 659-664.
- Dowling, G.R. (1986). Perceived risk: The concept and its measurement. *Psychology and Marketing*, 3, 193-210.
- Dowling, G.R. and Staelin, R. (1994). A model of perceived risk and intended risk-handling activity. *Journal of Consumer Research*, 21(1), 119-134.
- Dumont, T.Q. (2013). *The power of concentration*. Temple of Earth Publishing. Retrieved from: <http://www.templeofearth.com/books/concentration.pdf>
- Dupuis, A. and Berent, I. (2015). *Signs are symbols: Evidence from the stroop task. Language, Cognition and Neuroscience*. Retrieved from: <http://www.northeastern.edu/berentlab/wp-content/uploads/2015/10/Lexical-access-to-signs-is-automatic.pdf>
- Dwivedi, A. (2015). A higher-order model of consumer brand engagement and its impact on loyalty intentions. *Journal of Retailing and Consumer Services*, 24, 100-109.
- Eastman, J.K. and Liu, J. (2012). The impact of generation cohorts on status consumption: An exploratory look at generation cohort and demographics on status consumption. *Journal of Consumer Marketing*, 29(2), 93-102.

- Edwards, J.R. and Lambert, L.S. (2007). Methods for integrating moderation and mediation: A general analytical framework using moderated path analysis. *Psychological Methods*, 12(1), 1-22.
- Egan, J. (2009). *Marketing evolution: The time and place for service-dominant logic?* Paper presented at Naples Forum on Service, Naples, Italy. Retrieved from: http://www.naplesforumonservice.it/uploads//files/EGAN_MARKETING%20EVOLUTION_THE%20TIME%20AND%20PLACE%20FOR%20SERVICE-DO%20MINANT%20LOGIC.pdf
- Eid, R. (2013). Integrating Muslim customer perceived value, satisfaction, loyalty and retention in the tourism industry: An empirical study. *International Journal of Tourism Research*, 17(3), 249-260.
- Elnaga, A.A. (2012). The impact of perception on work behaviour. *Kuwait Chapter of Arabian Journal of Business and Management Review*, 2(2), 56-71.
- Engellant, K.A., Holland, D.D., and Piper, R.T. (2016). Assessing convergent and discriminant validity of the motivation construct for the technology integration education (tie) model. *Journal of Higher Education Theory and Practice*, 16(1), 37-50.
- Erdogmus, I.E. and Tatar, S.B. (2015). Drivers of social commerce through brand engagement. *Procedia-Social and Behavioral Sciences*, 207, 189-195.
- Evans, A. (2014). Women can do what men can do: The causes and consequences of flexibility in gender divisions of labour in Kitwe, Zambia. *Journal of Southern African Studies*, 40(5), 981-998.
- Evelyn, T.B.H., Eva, L.W.L., and Robin, C. (2011). *Generation Y and choice of mobile service provider: A study on their purchasing decision in choosing a mobile service provider*. 2nd International Conference on Business and Economic Research (2nd ICBER 2011) Proceeding.
- Fadeh, M.H. and Taghipourian, M.J. (2016). Brand engagement on purchase of luxury products. *Research Journal of Management Sciences*, 5(3), 15-19.
- Fairhurst, A.E., Good, L.K., and Gentry, J.W. (1989). Fashion involvement: An instrument validation procedure. *Clothing and textiles Research Journal*, 7(3), 10-14.
- Fatima, J.K. and Razzaque, M.A. (2012). Service quality, customer involvement and customer satisfaction: A case study of retail banking in Bangladesh. *Journal of Business and Policy Research*, 7(2), 135-146.
- Fernandes, K., Hyde, A., Ives, S., Fleisher, S., Evoy, T., and Marrum, K.V. (2012). *A comparative study of work values between Generation X and Generation Y*. Research Paper, University of Guelph.

- Fernandes, T. and Esteves, F. (2016). Customer engagement and loyalty: A comparative study between service contexts. *Services Marketing Quarterly*, 37(2), 125-139.
- Fernandes, T. and Remelhe, P. (2016). How to engage customers in co-creation: Customers' motivations for collaborative innovation. *Journal of Strategic Marketing*, 24(3-4), 311-326.
- Field, A. (2009). *Discovering statistics using SPSS*, 3rd ed., London: Sage Publications.
- Firat, A., Kutucuoglu, K.Y., Saltik, I.A., and Tuncel, O. (2013). Consumption, consumer culture and consumer society. *Journal of Community Positive Practices*, 13(1), 182-203.
- Firnd, A.R. and Alvandi, S. (2015). Brand awareness and consumer loyalty in Malaysia. *Research Journal of Social Sciences*, 8(6), 1-5.
- Flavian, C., Gurrea, R., and Orus, C. (2009). Web design: A key factor for the website success. *Journal of Systems and Information Technology*, 11(2), 168-184.
- Fleetwood, S. (2008). Institutions and social structures. *Journal for the Theory of Social Behaviour*, 38(3), 241-265.
- Flynn, L. M. (2012). *An exploration of engagement: A customer perspective* (doctorate's dissertation). Retrieved from: <http://citeseerx.ist.psu.edu/viewdoc/download?doi=10.1.1.457.6284&rep=rep1&type=pdf>
- Fornell, C. and Lacker, D.F. (1981). Evaluating structural equation models with unobservable variables and measurement error. *International Journal of Bank Marketing*, 24(5), 284-306.
- Fraering, M. and Minor, M.S. (2006). Sense of community: An exploratory study of US consumers of financial services. *International Journal of Bank Marketing*, 24(5), 284-306.
- Frey, L.R., Botan, C.H., and Kreps, G.L. (2000). *Investigating communication: An introduction to research methods*. 2nd edition. Boston: Allyn and Bacon.
- Fricker, R.D. and Schonlau, M. (2002). Advantages and disadvantages of internet research surveys: Evidence from the literature. *Field methods*, 14(4), 347-367.
- Frutiger, A. (1989). *Signs and symbols: Their design and meaning*. NY: USA. Van Nostrand Reinhold.
- Fuchs, C. and Diamantopoulos, A. (2009). Using single-item measures for construct measurement in management research: Conceptual Issues and Application Guidelines. *Die Betriebswirtschaft*, 69(2), 195-210.

- Furlong, M. (2007). *Turning silver into gold: How to profit in the new boomer marketplace*. Upper Saddle River, NJ: FT Press.
- Gabbott, M. (1991). The role of product cues in assessing risk in second-hand markets. *European Journal of Marketing*, 25(9), 38-50.
- Gadde, L. and Snehota, I. (2000). Making the most of supplier relationships. *Industrial Marketing Management*, 29, 305-316.
- Gafni, R. and Geri, N. (2013). *Generation y versus generation x: Differences in smartphone adaptation*. Proceedings of the Chais Conference on Instructional Technologies Research. Raanana: The Open University of Israel.
- Gan, S.C. (2012). *The association between generation x and y and intention to leave* (master's thesis). University Tunku Abdul Rahman, Malaysia.
- Ganesh, J., Arnold, M.J., and Reynolds, K.E. (2000). Understanding the customer base of service providers: An examination of the differences between switchers and stayers. *Journal of Marketing*, 64(3), 65-87.
- Ganiyu, R.A. (2016). Perceived service quality and customer loyalty: The mediating effect of passenger satisfaction in the nigerian airline industry. *International Journal of Management and Economics*, 52, 94-117. Retrieved from: <https://www.degruyter.com/downloadpdf/j/ijme.2016.52.issue-1/ijme-2016-0029 /ijme-2016-0029.pdf>
- Gardiner, S., Grace, D., and King, C. (2014). The generation effect: The future of domestic tourism in Australia. *Journal of Travel Research*, 53(6), 705-720.
- Gardner, E., Kimpel, T., and Zhao, Y. (2015). User guide. American Community Survey. Retrieved from: http://www.ofm.wa.gov/pop/acs/userguide/ofm_acs_user_guide.pdf
- Garson, D. (2016). *Partial least squares: Regression and structural equation models*. Retrieved from: http://info.smartpls.com/data/uploads/ebook_on_pls-sem.pdf
- Gaurav, K. (2016). Impact of relationship marketing on customer loyalty: Evidence from Indian automobile industry, Purushartha. *A Journal of Management Ethics and Spirituality*, 9(1), 1-17.
- Gefen, D., Straub, D.W., and Boudreau, M.C. (2000). Structural equation modelling and regression: Guidelines for research practice. *Communications of the Association for Information System*, 4(7), 1-77.
- George, G. and Mallery, P. (2003). *SPSS for Windows Step by Step: A Simple Guide and Reference, 11.0 update*. Boston, MA: Allyn and Bacon.

- George, T. and Stavros, T. (2013). The role of psychological commitment and attitudinal loyalty on the relationship between involvement and behavioral loyalty of sport fans. *The Sport Journal*. Retrieved at: <http://thesportjournal.org/article/the-role-of-psychological-commitment-and-attitudinal-loyalty-on-the-relationship-between-involvement-and-behavioral-loyalty-of-sport-fans/>
- Ghodeswar, B.M. (2008). Building brand identity in competitive markets: A conceptual model. *Journal of Product & Brand Management*, 17(1), 4-12.
- Ghotbabadi, A.R., Feiz, S., and Baharun, R. (2016). The relationship of customer perceived risk and customer satisfaction. *Mediterranean Journal of Social Sciences*, 7(1), 161-173.
- Ghulami, H.R., Hamid, M.R., and Zakaria, R. (2014). Partial least squares modelling of attitudes of students towards learning statistics. *Journal of Quality Measurement and Analysis*, 10(1), 1-16.
- Gibson, J.W., Greenwood, R.A., and Murphy, E.F. (2009). Generational differences in the workplace: Personal values, behaviors, and popular beliefs. *Journal of Diversity Management*, 4(3), 1-7.
- Gilbert, D.C. and Morris, L. (1995). The relative importance of hotels and airlines to the business traveller. *International Journal of Contemporary Hospitality Management*, 7(6), 19-23.
- Gilliland, D. and Melfi, V. (2010). A note on confidence interval estimation and margin of error. *Journal of Statistics Education*, 18(1), 1-8.
- Giovannini, S., Xu, Y., and Thomas, J. (2015). Luxury fashion consumption and generation y consumers. *Journal of Fashion Marketing and Management*, 19(1), 22-40.
- Glazier, R.A. (2016). Building rapport to improve retention and success in online classes. *Journal of Political Science Education*, 12(4), 437-456.
- Gnanapala, W.K.A. (2015). Tourists' perception and satisfaction: Implications for destination management. *American Journal of Marketing Research*, 1(1), 7-19.
- Goh, S.K., Jiang, N., Abdul Hak, M.F., and Tee, P.L. (2016). Determinants of smartphone repeat purchase intention among Malaysians: A moderation role of social influence and a mediating effect of consumer satisfaction. *International Review of Management and Marketing*, 6(4), 993-1004.
- Gorondutse, A., Hilman, H., and Nasidi, M. (2014). Relationship between corporate reputation and customer loyalty on nigerian food and beverages industry: PLS approach. *International Management Business Research*, 4(2), 125-136.

- Gozukara, E., Ozyer, Y., and Kocoglu, I. (2014). The moderating effects of perceived use and perceived risk in online shopping. *Journal of Global Strategic Management*, 8(2), 71-85.
- Gracia, D.B., Arino, L.V.C., and Blasco, M.G. (2015). The effect of culture in forming e-loyalty intentions: A cross-cultural analysis between Argentina and Spain. *Business Research Quarterly*, 18(4), 275-292.
- Grapragasem, S., Krishnan, A., and Mansor, A.N. (2014). Current trends in Malaysia higher education and the effect on education policy and practice: An overview. *International Journal of Higher Education*, 3(1), 85-93.
- Grebitus, C., Colson, G., and Menapace, L. (2011). *Analyzing pork purchases at the point of sale: The role of consumer involvement*. Paper presented at Agricultural & Applied Economics Association's 2011 AAEA & NAREA Joint Annual Meeting, Pittsburgh, Pennsylvania. Retrieved from: http://ageconsearch.umn.edu/bitstream/103401/2/AAEA%20Involvement%20full%20paper_07.pdf
- Greco, L., D., Walop, W., and McCarthy, R.H. (1987). Questionnaire development: 2. validity and reliability. *Clinical Epidemiology*, 136, 699-700.
- Greenberg, K. (2011). Study: Gens x, y rely on research, less on loyalty. Retrieved June 20, 2016, from <http://www.mediapost.com/publications/article/144338/>
- Greenlaw, C. and Brown-Welty, S. (2009). A comparison of web-based and paper-based survey methods. *Evaluation Review*, 33(5), 464-480.
- Greve, G. (2014). The moderating effect of customer engagement on the brand image-brand loyalty relationship. *Procedia, Social Behavioural Sciences*, 148, 203-210.
- Gronroos, C. and Voima, P. (2013). Critical service logic: Making sense of value creation and co-creation. *Journal of the Academy of Marketing Science*, 41(2), 133-150.
- Guenzi, P., Johnson, M. D., & Castaldo, S. (2009). A comprehensive model of customer trust in two retail stores. *Journal of Service Management*, 20(3), 290- 316.
- Gul, R. (2014). The relationship between reputation, customer satisfaction, trust, and loyalty. *Journal of Public Administration and Governance*, 4(3), 368-387.
- Gummerus, J., Liljander, V., Weman, E., and Pihlstrom, M. (2012). Customer engagement in a Facebook brand community. *Management Research Review*, 35(9), 857-877.

- Gunuc, S. and Kuzu, A. (2014). Student engagement scale: Development, reliability and validity. *Assessment & Evaluation in Higher Education*. Retrieved from: 10.1080/02602938.2014.938019.
- Gunuc, S. (2014). The relationships between student engagement and their academic achievement. *International Journal on New Trends in Education and Their Implications*, 5(4), 216-231.
- Guo, B., Perron, B.E., and Gillespie, D.F. (2008). A systematic review of structural equation modelling in social work research. *British Journal of Social Work*, 39, 1556-1574.
- Gurau, C. (2012). A life-stage analysis of consumer loyalty profile: Comparing generation x and millennial consumers. *Journal of Consumer Marketing*, 29(2),103-113.
- Guthrie, M. F. and Kim, H. (2009). The relationship between consumer involvement and brand perceptions of female cosmetic consumers. *Journal of Brand Management*,17(2), 114-133.
- Gyulavari, T. and Dornyei, K. (2012). *Investigation of factors influencing loyalty- the role of involvement, perceived risk and knowledge*. Paper presented at 11th International Marketing Trends Conference, Università Ca' Foscari Venezia. Retrieved from:http://unipub.lib.uni-corvinus.hu/491/1/2012_Venice_Gyulavari_Dornyei_final.pdf
- Habib, A., Johargy, A., Mahmood, K., and Humma. (2014). Design and determination of the sample size in medical research. *IOSR Journal of Dental and Medical Sciences*, 13(5), 21-31.
- Hair, J.F., Black, W.C., Babin, B.J., Anderson, R.E., and Tatham, R.L. (2006). *Multivariate data analysis*, 6th editions. New Jersey: Prentice Hall.
- Hair, J.F., Black, W.C., Babin, B.J., Anderson, R.E. (2010). *Multivariate data analysis*, 7th Edition, Upper Saddle River, New Jersey: Pearson Education International.
- Hair, J. F., Hult, G. T. M., Ringle, C. & Sarstedt, M. (2013). *A primer on partial least squares structural equation modeling (PLS-SE)*. Sage Publications, Inc.
- Hair, J.F., Hult, G.T.M., Ringle, C.M., and Sarstedt, M. (2014). *A primer on partial least squares structural equation modelling*. London: Sage.
- Hair, J.F., Ringle, C.M., and Sarstedt, M. (2011). PLS-SEM: Indeed a silver bullet. *Journal of Marketing Theory and Practice*, 19(2), 139-151.
- Hamid, N.R. and Cheng, A.Y. (2012). Factors affecting consumer retention of hotel websites. *Recent Advances in Business Administration*, 143-148.

- Hamid, S. (2015). Generational differences in workforce and their effects on organizational performance in Canada. *International Journal of Research and Development Organisation*, 1(12), 48-63.
- Hanzaee, K.H., Khoshpanjeh, M., and Rahnama, A. (2011). Evaluation of the effects of product involvement facets on brand loyalty. *African Journal of Business Management*, 5(16), 6964-6971.
- Hapsari, R., Clemes, M.D, and Dean, D. (2015). The role of customer engagement in enhancing passenger loyalty in Indonesian airline industry: Relationship marketing approach. *Asia-Pacific Management and Business Application*, 3(3), 135-144.
- Harmeling, C.M., Moffett, J.W., Arnold, M.J., and Carlson, B.D. (2017). Toward a theory of customer engagement marketing. *Journal of the Academic Marketing Science*, 45, 312-335.
- Harreveld, F., Nohlen, H.U., and Schneider, I.K. (2015). The abc of ambivalence: Affective, behavioral, and cognitive consequences of attitudinal conflict. *Advances in Experimental Social Psychology*, 52, 285-324.
- Harrigan, P., Evers, U., Miles, M., and Daly, T. (2016). Customer engagement with tourism social media brands. *Tourism Management*, 59, 597-609.
- Hart, C., Farrell, A.M., Stachow, G., Reed, G., and Cadogan, J.W. (2011). Enjoyment of the shopping experience: Impact on customers' repatronage intentions and gender influence. *The Service Industries Journal*, 27(5), 583-604.
- Hasan, H., Kiong, T.P., and Ainuddin, R.A. (2014). Effects of perceived value and trust on customer loyalty towards foreign banks in Sabah, Malaysia. *Global Journal of Emerging Trends in e-Business, Marketing and Consumer Psychology*, 1(2), 137-153.
- Hassali, M.A., Saleem, F., Farooqui, M., and Khan, M. (2015). Scope of mix-method studies in pharmacy practice research. *Indian Journal of Pharmaceutical Education and Research*, 49(2), 93-98.
- Hayes, A.F. and Preacher, K.L. (2010). Quantifying and testing indirect effects in simple mediation models when the constituent paths are nonlinear. *Multivariate Behavioural Research*, 45, 627-660.
- Heale, R. and Twycross, A. (2015). Validity and reliability in quantitative studies. *Evidence-Based Nursing*, 18(3), 66-67.
- Heaney, J. (2007). Generations x and y's internet banking usage in Australia. *Journal of Finance Services Marketing*, 11(3), 196-210.

- Helme, S. and Clarke, D. (2001). Identifying cognitive engagement in the mathematics classroom. *Mathematics Education Research Journal*, 13(2), 133-153.
- Henry, C.D. (2000). Is customer loyalty a pernicious myth? *Business Horizons*, 43(4), 13-16.
- Henseler, J., Ringle, C.M., and Sarstedt, M. (2015). A new criterion for assessing discriminant validity in variance-based structural equation modeling. *Journal of Academy of Marketing Science*, 43(1), 115-135.
- Henseler, J., Ringle, C.M., and Sinkovics, R. (2009). The use of partial least squares path modeling in international marketing. *International Marketing*, 20, 277-319.
- Herrando, C. Jimenez-Martinez, J., and Hoyos, M.J.M. (2017). A matter of age: The moderating effects of generation X, Y and Z in boosting trust. Retrieved from: <http://www.marketing-trends-ongress.com/archives/2017/pages/PDF/106.pdf>
- Herring, S.C. and Kapidzic, S. (2015). *Teens, gender, and self- presentation in social media. International Encyclopedia of Social and Behavioural Sciences*. 2nd edition. Oxford: Elsevier. Retrieved from: <http://info.ils.indiana.edu/~herring/teens.gender.pdf>
- Hewlett, S.A., Sherbin, L., and Sumberg, K. (2009). How generation y and boomers will reshape your agenda. *Harvard Business Review*, 1-8.
- Higgins, E. T. (2006). Value from hedonic experience and engagement. *Psychological Review*, 113(3), 439-460.
- Hillman, D.R. (2014). Understanding multigenerational work-value conflict resolution. *Journal of Workplace Behavioral Health*, 29, 240-257.
- Hin, C.W., Isa, F.M., and Tantasuntisakul, W. (2015). A comparative study of leadership styles and leadership traits between gen x & y: Malaysia as a case study. *Australian Journal of Basic and Applied Sciences*, 9(28), 39-44.
- Hirpara, N., Jain, S., Gupta, A., and Dubey, S. (2015). Interpreting research findings with confidence interval. *Journal of Orthodontics & Endodontics*, 1(8), 1-4.
- Hitlin, S. (2011). *Values, personal identity, and the moral self*. Handbook of Identity Theory and Research (pp. 515-529). Retrieved at: https://link.springer.com/chapter/10.1007/978-1-4419-7988-9_20
- Ho, V.T., Wong, S., and Lee, C.H. (2011). A tale of passion: Linking job passion and cognitive engagement to employee work performance. *Journal of Management Studies*, 48(1), 26-47.

- Hochgraeffe, C., Faulk, S., and Vieregge, M. (2009). *Impact of Swiss consumers' product involvement on brand loyalty*. International CHRIE Conference Refereed Track, Paper 4. Retrieved from: <http://scholarworks.umass.edu/cgi/viewcontent.cgi?article=1065&context=refereed>
- Hoe, L.S. (2008). Quantitative research methods. *Journal of Applied Quantitative Methods*, 3(1), 76-83.
- Hollebeek, L. (2010). *Consumer engagement across differentially service-oriented wine outlets: Moving beyond consumer involvement to predict loyalty*, presented at 5th International Academy of Wine Business Research Conference, Auckland, NY.
- Hollebeek, L.D. (2011). Demystifying customer brand engagement: Exploring the loyalty nexus. *Journal of Marketing Management*, 27(7-8), 785-807.
- Hollebeek, L. (2013). The consumer engagement/value interface: An exploratory investigation. *Australasian Marketing Journal*, 21(1), 17-24.
- Hollebeek, L., Glynn, M.S., and Brodie, R.J. (2014). Consumer brand engagement in social media: Conceptualization, scale development and validation. *Journal of Interactive Marketing*, 28, 149-165.
- Hollebeek, L.D., Srivastava, R.K., and Chen, T. (2016). S-D logic-informed customer engagement: Integrative framework, revised fundamental propositions, and application to CRM. *Journal of the Academy Marketing Science*, doi: 10.1007/s11747-016-0494-5
- Holmbeck, G.N. (1997). Toward terminological, conceptual, and statistical clarity in the study of mediators and moderators: Examples from the child-clinical and pediatric psychology literatures. *Journal of Consulting and Clinical Psychology*, 65, 599-610.
- Hoole, C. and Bonnema, J. (2015). Work engagement and meaningful work across generational cohorts. *SA Journal of Human Resource Management*, 13(1), 1-11.
- Howell, R. (2012). Market segmentation: The importance of age cohorts. Retrieved from: <https://doi.org/10.1108/JFMM-06-2015-0045>
- Hu, Y.J. (2011). Exploring the relationship between customer involvement, brand equity, perceived risk and customer loyalty: The case of electrical consumer products. *International Journal of Organization Innovation*, 4(1), 111-127.
- Hu, Y.J. (2012). Explore significant factors to affect customer involvement. *Journal of Social Science*, 8(4), 485-489.
- Huang, W. (2008). The impact of other-customer failure on service satisfaction. *International Journal of Service Industry Management*, 19(4), 521-536.

- Hudson, S., Roth, M.S., Madden, T.J., and Hudson, R. (2015). The effects of social media on emotions, brand relationship quality, and word of mouth: An empirical study of music festival attendees. *Tourism Management*, 47, 68-76.
- Hurley, T. (2004). Managing customer retention in the health and fitness industry: A case of neglect. *Irish Marketing Review*, 17(1-2), 23-29.
- Hwang, H., Malhotra, N.K., Kim, Y., Tomiuk, M.A., and Hong, S. (2010). A comparative study of parameter recovery of three approaches to structural equation modelling. *Journal of Marketing Research*, 47, 699-712.
- Internet World Stats. (2017). *Internet usage statistics and population statistics*. Retrieved from <http://www.internetworldstats.com/stats.htm>
- Ishak, F. and Abd Ghani, N.H. (2013). *A review of the literature on brand loyalty and customer loyalty*. Paper presented at Conference on Business Management Research, Universiti Utara Malaysia. Retrieved at: <http://repo.um.edu.my/16316/1/20.pdf>
- Islam, R., Abdul Ghani, A.B., Kusuma, B., and Theseira, B.B. (2016). Education and human capital effect on Malaysian economic growth. *International Journal of Economics and Financial Issues*, 6(4), 1722-1728.
- Islam, R., Ghani, A.B.A., Mahyuddin, E., and Manickam, N. (2017). Determinants of factors that affecting inflation in Malaysia. *International Journal of Economics and Financial Issues*, 7(2), 355-364.
- Ismail, Z., Masood, S., and Tawab, Z.M. (2012). *Factors affecting consumer preference of international brands over local brands*. Paper presented at 2nd International Conference on Social Science and Humanity, Singapore: IACSIT Press. Retrieved at: <http://www.ipedr.com/vol31/011-ICSSH%202012-S00010.pdf>
- Isoraite, M. (2015). Customers loyalty increase as effective tool of sale promotion. *Global Journal of Management and Business Research: E Marketing*, 15(6), 33-38.
- Iwasaki, Y. and Havitz, M.E. (2004). Examining relationships between leisure involvement, psychological commitment and loyalty to a recreation agency. *Journal of Leisure Research*, 36(1), 45-72.
- Iyanna, S. (2016). Insights into consumer resource integration and value co-creation process. *The Journal of Applied Business Research*, 32(3), 717-728.
- Jaakkola, E. and Alexander, M. (2014). The role of customer engagement behaviour in value co-creation: A service system perspective. *Journal of Service Research*, 17(3), 247-261.

- Jacoby, J. and Chestnut, R. (1978). *Brand loyalty: Measurement and management*. New York: John Wiley.
- Jahanshahi, A.A., Gashti, M.A.H., Mirdamadi, S.A., Nawaser, K., and Khaksar, S.M. S. (2011). Study the effects of customer service and product quality on customer satisfaction and loyalty. *International Journal of Humanities and Social Science*, 1(7), 253-260.
- Jakstiene, S., Susniene, D., and Narbutas, V. (2008). The psychological impact of advertising on the customer behavior. *Communications of the IBIMA*, 3, 50-55.
- Jambulingam, M., Selvarajah, C.S., and Thuraisingam, A.S. (2014). Social media networks and gen y. *Research Journal of Applied Science, Engineering and Technology*, 8(8), 1041-1044.
- Jarvis, C.B., MacKenzie, S.B., and Podsakoff, P.M. (2003). A critical review of construct indicators and measurements model misspecification in marketing and consumer research. *Journal of Consumer Research*, 30(2), 199-218.
- Javornik, A. and Mandelli, A. (2012). Behavioral perspectives of customer engagement: An exploratory study of customer engagement with three swiss fmcg brands. *Database Marketing and Customer Strategy Management*, 19(4), 300-310.
- Jayasingh, S. and Venkatesh, R. (2015). Customer engagement factors in Facebook brand pages. *Asian Social Science*, 11(26), 19-29.
- Jennings, S., Giorgio, P., Murali, R., and Goggin, S.C. (2014). *Winning the race for guest loyalty: When frequent travellers choose a favourite program, they aren't the only one who reap rewards*. Deloitte Consulting LLP. Retrieved form: <https://www2.deloitte.com/content/dam/Deloitte/tr/Documents/consumer-business/winning-the-race-hotel-loyalty-pov-final.pdf>
- Jevons, C. (2005). Names, brands, branding: beyond the signs, symbols, products and services. *Journal of Product & Brand Management*, 14(2), 117-118.
- Jo, M. and Sarigollu, E. (2007). Cross-cultural differences of price-perceived quality relationships. *Journal of International Consumer Marketing*, 19(4), 59-74.
- Johan, M.R.M., Noor, D, N, A, Z., Bahar, N., Liu, M.Y., and Low, H.P. (2014). Factors affecting customer loyalty airlines industry in Malaysia: An exploratory analysis. *Journal of Contemporary Research in Business*, 6(6), 12-23.
- Johnson, C., Banks, L., Smith, D., and Seo, J. (2017). The effect of product involvement on store preference and clothing benefits sought for African-American female students. *The Journal of Applied Business Research*, 33(1), 107-114.

- Johnston, C. (2007). Symbols in Wittgenstein's tractatus. *European Journal of Philosophy*, 15(3), 367-394.
- Jong, J. (2016). Data collection: Self-administered surveys. *Guidelines for Best Practices in Cross-Cultural Survey*. Ann Arbor, MI: Survey Research Center, Institute for Social Research, University of Michigan. Retrieved from: <http://ccsg.isr.umich.edu/index.php/chapters/data-collection-chapter/self-administered-surveys>
- Josang, A. and Presti, S.L. (2004). *Analysing the relationship between risk and trust*. Paper presented at the 2nd international conference on trust management. Retrieved from: <https://pdfs.semanticscholar.org/0115/ab4a75d17b6826471df9c42c3da35ec7db90.pdf>
- Jung, J. and Kim, I. (2015). Relationship between brand perception, brand identification, brand emotion and brand loyalty for sports event sponsor company. *Indian Journal of Science and Technology*, 8(24), 1-7
- Kaliannan, M. and Adjovu, S.N. (2015). Effective employee engagement and organizational success: A case study. *Contemporary Issues in Management and Social Science Research*, 172, 161-168.
- Kandampully, J. and 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.
- Kandampully, J., Zhang, T., Bilgihan, A. (2014). Customer loyalty: A review and future directions with a special focus on the hospitality industry. *International Journal of Contemporary Hospitality Management*, 27(3), 379-414.
- Karazsia, B.T., Berlin, K.S., Armstrong, B., Janicke, D.M., and Darling, K.E. (2013). Integrating mediation and moderation to advance theory development and testing. *Journal of Pediatric Psychology*, 39(2), 163-173.
- Karimi, L. and Ahmad, T.B.T. (2013). Perceived learning and satisfaction in a blended teacher education program: An experience of Malaysian teacher trainees. *Contemporary Educational Technology*, 4(3), 197-211.
- Karimimalayer, A.M. and Anuar, M.K. (2012). Structural equation modeling vs multiple regression. engineering science and technology. *An International Journal*, 2(2), 326-329.
- Karpinska-Krakowiak, M. (2014). Conceptualizing and measuring consumer engagement in social media: Implication for personal involvement. *International Journal of Contemporary Management*, 13(1), 49-65.
- Karpen, I.O., Bove, L.L., and Lukas, B.A. (2012). Linking service dominant logic and strategic business practice. *Journal of Service Research*, 15(1), 21-38.

- Kashif, M., Shukran, S.S.W., Rehman, M.A., and Sarifuddin, S. (2015). Customer satisfaction and loyalty in Malaysian Islamic banks: A pakserv investigation. *International Journal of Bank Marketing*, 33(1), 23-40.
- Keaveney, S.M. and Parthasarathy, M. (2001). Customer switching behavior in online services: An exploratory study of the role of selected attitudinal, behavioral and demographic factors. *Journal of the Academy of Marketing Science*, 29(4), 374-390.
- Kelley, K., Clark, B., Brown, V., and Sitzia, J. (2003). Good practice in the conduct and reporting research. *International Journal for Quality in Health Care*, 15(3), 261-266.
- Kelloway, E.K. (1995). Structural equation modelling in perspective. *Journal of Organizational Behaviour*, 16(3), 215-224.
- Kendler, K.S., Myers, J., Potter, J., and Opalesky, J. (2009). A web-based study of personality, psychopathology and substance use in twin, other relative and relationship pairs. *Twin Res Hum Genet*, 12(2), 137-141.
- Kerstetter, D. and Kovich, G.M. (1997). An involvement profile of decision in women's basketball spectators. *Journal of Sport Management*, 11(3), 234-249.
- Keshavarz, Y. and Ali, M.H. (2015). The service quality evaluation on tourist loyalty in Malaysian hotels by the mediating role of tourist satisfaction. *Mediterranean Journal of Social Sciences*, 6(3), 680-686.
- Keshavarz, Y. and Nezakati, H. (2013). The effects of Malaysian hotels services on customer loyalty. *Journal of Education and Vocational Research*, 4(10), 287-292.
- Khan, B. and Rizwan, M. (2014). Factors contributing to customer loyalty in commercial banking. *International Journal of Accounting and Financial Reporting*, 4(2), 413- 436.
- Khodaparasti, R.B., Rasouli, N., and Abedi, R. (2015). Investigate the effect of the financial position diagnosis, performance diagnosis and cash flow diagnosis on the firm value in listed companies of stock exchange. *Research Journal of Finance and Accounting*, 6(7), 113-122.
- Kilic, S., Ozdemir, E., and Arikan Kilic, H. (2015). Consumers' online information and opinion search behaviors: A research on the X and Y generation of consumers. *Journal of Business Research Turk*, 8(4), 296-323.
- Kim, D. and Adler, H. (2011). Student's use of hotel mobile apps: Their affect of brand loyalty. Retrieved from: http://scholarworks.umass.edu/cgi/viewcontent.cgi?article=1242&context=gradconf_hospitality

- Kim, H., Xiang, Z., and Fesenmaier, R. (2015). Use of the internet for trip planning: A generational analysis. *Journal of Travel and Tourism Marketing*, 32(3), 276-289.
- Kim, M., Vogt, C.A., and Knutson, B.J. (2015). Relationships among customer satisfaction, delight, and loyalty in the hospitality industry. *Journal of Travel Research*, 39(2), 170-197.
- Kim, W.G., Lee, S., and Lee, H.Y. (2007). Co-branding and brand loyalty. *Journal of Quality Assurance in Hospitality & Tourism*, 8(2), 1-23.
- Kim, Y.H., Kim, D.J., and Wachter, K. (2013). A study of mobile user engagement (MoEN): Engagement motivations, perceived value, satisfaction, and continued engagement intention. *Decision Support Systems*, 56, 361-370.
- Kimberlin, C.K. and Winterstein, A.G. (2008). Validity and reliability of measurement instruments used in research. *American Journal of Health System Pharmacy*, 65(23), 2276-2284.
- Kimbrough, A.M., Guadagno, R.E., Muscanelle, N.L., and Dill, J. (2013). Gender differences in mediated communication: Women connect more than do men. *Computers in Human Behavior*, 29, 896-900.
- Kline, R.B. (2005). *Principles and practice of structural equation modeling*. Second Edition. NY: London. The Guilford press.
- Kline, R.B. (2011). *Principles and practice of structural equation modeling*. Third Edition. NY: London. The Guilford press.
- Kontogianni, E., Kouthouris, C., Barlas, A., and Voutselas, V. (2011). Involvement and loyalty in recreation swimming in greece: investigating relationships. *International Journal of Sport Management, Recreation and Tourism*, 8(1), 13-34.
- Koo, D.M., Kim, J.J., and Lee, S.H. (2008). Personal values as underlying motives of shopping online. *Asia Pacific Journal of Marketing and Logistics*, 20(2), 156-173.
- Koohang, A., Paliszkievicz, J., Nord, J.H., and Ramim, M. (2014). Advancing a theoretical model for knowledge construction in e-learning, *Online Journal of Applied Knowledge Management*, 2(2), 12-25.
- Kothari, C.R. (2004). *Research methodology: Methods and techniques*. 2nd edition. New Delhi: New Age International.
- Kotler, P. (2010). *Marketing management*. New York: Prentice Hall.
- Krugman, H.E. (1967). The measurement of advertising involvement. *Public Opinion Quarterly*, 30(4), 583-596.

- Kumar, A. (2013). *70% malaysian workers stressed, says regus*. Computerworld Malaysia. Retrieved from: <http://www.computerworld.com.my/resource/management-and-careers/70-malaysian-workers-stressed-says-regus/>
- Kumar, A. and Lim, H. (2008). Age differences in mobile service perceptions: Comparison of generation y and baby boomers. *Journal of Service Marketing*, 22(7), 568-577.
- Kumar, S.R. and Advani, J. (2005). Factors affecting brand loyalty: A study in an emerging market on fast moving consumer goods. *Journal of Customer Behaviour*, 4(2), 251-275.
- Kumar, V., Aksoy, L., Donkers, B., Venkatesan, R., Wiesel, T., and Tillmanns, S. (2010). Undervalued or overvalued customers: Capturing total customer engagement value. *Journal of Service Research*, 13(3), 297-310.
- Kumpel, A.S., Karnowski, V., and Keyling, T. (2015). News sharing in social media: A review of current research on news sharing users, content, and networks. *Social Media + Society*, 1(2), 1-14.
- Kuyucu, M. (2016). The social media generation: Social media use in Turkey in sample of Istanbul. *IOSR Journal of Humanities and Social Science*, 21(2), 84-98.
- Labrie, N.H.M., Ludolph, R., and Schulz, P.J. (2017). Investigating young women's motivations to engage in early mammography screening in Switzerland: Results of a cross-sectional study. *BMC Cancer*, 17(209). Doi: 10.1186/s12885-017- 3180-1
- Labroo, A. A., and Rucker, D. D. (2010). The orientation-matching hypothesis: An emotion-specificity approach to affect regulation. *Journal of Marketing Research*, 47(5), 955-966.
- Lada, S., Sidin, S.M., and Cheng, K.T.G. (2015). Moderating role of product involvement on the relationship between brand personality and brand loyalty. *Journal of Internet Banking and Commerce*, 19(2). Retrieved at: <http://www.icommercecentral.com/open-access/moderating-role-of-product-involvement-on-the-relationship-between-brand-personality-and-brand-loyalty.php?aid=37983>
- Lai, A.W. (1995). Consumer values, product benefits and customer value: A consumption behavior approach. *Advances in Consumer Research*, 22, 381-388.
- Lai, F., Griffin, M., and Babin, B.J. (2009). How quality, value, image, and satisfaction create loyalty at a Chinese telecom. *Journal of Business Research*, 62(10), 980-986.

- Lai, L.S.L. and To, W.M. (2015). Content analysis of social media: A grounded theory approach. *Journal of electronic commerce research*, 16(2), 138-152.
- Lamba, B. (2013). Influence of brands on consumer's buying behavior. *Abhinav-National Monthly Refereed Journal of Research in Commerce & Management*, 2(11), 28-33.
- Lameck, W.U. (2013). Sampling design, validity and reliability in general social survey. *International Journal of Academic Research in Business and Social Sciences*, 3(7), 212-218.
- Landau, S. and Everitt, B. (2004). *A handbook of statistical analyses using SPSS*. New York: Chapman & Hall/CRC Press LLC.
- Laurent, G. & Kapferer, J. N. (1985) Measuring consumer involvement profiles. *Journal of Marketing Research*, 22, 41-53.
- Lazarevic, V. (2012). Encouraging brand loyalty in fickle generation y consumers. *Young Consumers*, 13(1), 45-61.
- Lazarevic, V. and Petrovic-Lazarevic, S. (2009). How to make generation y consumers more brand loyal. *Journal of Management & World Business Research*, 6(1), 63-72.
- Lester, D. (2013). A review of the student engagement literature. *Focus on colleges, universities, and schools*, 7(1), 1-8.
- Leckie, C., Nyadzaya, M.W., and Johnson, L.W. (2016). Antecedents of consumer brand engagement and brand loyalty. *Journal of Marketing Management*, doi: 10.1080/0267257X.2015.1131735
- Lee, J., Hsu, L., Han, H., and Kim, Y. (2010). Understanding how consumers view green hotels: How a hotel's green image can influence behavioural intentions. *Journal of Sustainable Tourism*, 18(7), 901-914.
- Lee, R. M. (1993). *Doing Research on Sensitive Topics*, London: Sage.
- Lee, S., Workman, J.E., and Jung, K. (2016). Brand relationships and risk: Influence of risk avoidance and gender on brand consumption. *Journal of Open Innovation: Technology, Market, and Complexity*, 2(14). Retrieved from: <https://doi.org/10.1186/s40852-016-0041-0>
- Lee, S.T. and Tay, A. (2012). Historical moments that are meaningful to the three generations of employees in Malaysia. *World Journal of Social Sciences*, 2(3), 48-56.
- Lee, W.O. and Wong, L.S. (2016). Determinants of mobile commerce customer loyalty in Malaysia. *Procedia-Social and Behavioral Sciences*, 224, 60-67.

- Leeraphong, A. and Mardjo, A. (2013). Trust and risk in purchase intention through online social network: A focus group study of Facebook in Thailand. *Journal of Economics, Business and Management*, 1(4), 314-318.
- Lei, P. and Wu, Q. (2007). An ncm instructional module on introduction to structural equation modeling: Issues and practical considerations. *Instructional Topics in Educational Measurement: Issues and Practice*, 26, 33-43.
- Leung, D., Law, R., Van Hoof, H., and Buhalis, D. (2013). Social media in tourism and hospitality: A literature review. *Journal of Travel and Tourism Marketing*, 30(1-2), 58-77.
- Levy, S. and Hino, H. (2015). Emotional brand attachment: A factor in customer-bank relationships. *International Journal of Bank Marketing*, 34(2), 136-150.
- Lewis, B.R. and Soureli, M. (2006). The antecedents of consumer loyalty in retails banking. *Journal of Consumer Behaviour*, 5, 15-31.
- Li, M., Dong, Z.Y., and Chen, X. (2012). Factors influencing consumption experience of mobile commerce: A study from experiential view. *Internet Research*, 22(2), 120– 141.
- Li, X. and Sun, C. (2015). A study on the core values of the brand. *Journal of Services Science and Management*, 8, 868-873.
- Liljander, V. and Strandvik, T. (1997). Emotions in service satisfaction. *International Journal of Service Industry Management*, 8(2), 148-169.
- Lim, X.Y. (2014). *Factors that affect generation y workers' organizational commitment* (master's thesis). University Tunku Abdul Rahman, Malaysia.
- Lim, Y.S., Omar, A., and Thurasamy, R. (2015). Online purchase: A study of generation y in Malaysia. *International Journal of Business and Management*, 10(6), 1-7.
- Lissitsa, S. and Kol, O. (2016). Generation x vs generation y: A decade of online shopping. *Journal of Retailing and Consumer Services*, 31, 304-312.
- Liu, Y. (2010). Social media tools as a learning resource. *Journal of Educational Technology Development and Exchange*, 3(1), 101-114.
- Llopis, G. (2014). Consumers are no longer brand loyal. Retrieved from: <https://www.forbes.com/sites/glennllopis/2014/12/10/consumers-are-no-longer-brand-loyal/#4351ef82ae07>
- London, B., Downey, G., and Mace, S. (2007). Psychological theories of educational engagement: A multi-method approach to studying individual engagement and institutional change. *Vanderbilt Law Review*, 60(2), 455-481.

- Loo, R. (2002). A caveat on using single- item versus multiple-item scales. *Journal of Managerial Psychology*, 17(1), 68-75.
- Loureiro, S.M.C. and Gonzalez, F.J.M. (2007). The importance of quality, satisfaction, trust and image in relation to rural tourist loyalty. *Journal of Travel and Tourism Marketing*, 25(2), 117-136.
- Loureiro, S.M.C., Ruediger, K.H., and Demetris, V. (2012). Brand emotional connection and loyalty. *Journal of Brand Management*, 20, 13-27.
- Lu, H., Peng, T., and Zhu, J.J.H. (2011). *National identity and the internet: A cohort study in Hong Kong*. Paper presented at 64th Annual WAPOR Conference, Amsterdam. Retrieved at: <http://wapor.org/wp-content/uploads/2011/09/Lu-Peng-Zhu.doc>
- Lub, X.D., Bal, P.M., Blomme, R.J., and Schalk, R. (2015). One job, one deal...or not: Do generations respond differently to psychological contract fulfillment? *The International Journal of Human Resource Management*, 27(6), 653-680.
- Lynham, S.A. (2002). The general method of theory-building research in applied disciplines. *Advances in Developing Human Resources*, 4(3), 221-235.
- Madhlangobe, L., Chikasha, J., Mafa, O., and Kurasha, P. (2014). Persistence, perseverance, and success (pps): Case study to describe motivational factors that encourage Zimbabwe open university odl students to enroll, persist, and graduate with master and doctorate credentials. *Sage Open*, 4(3), 1-15.
- Madhovi, P.G. and Dhliwayo, S. (2017). The relationship between customer relationship management (crm) and performance in the hotel industry. *African Journal of Hospitality, Tourism and Leisure*, 6(1), 1-13.
- Magatef, S.G. and Tomalieh, E.F. (2015). The impact of customer loyalty programs on customer retention. *International Journal of Business and Social Science*, 6(8), 78-93.
- Maheshwari, V., Lodorfos, G., and Jacobsen, S. (2014). Determinants of brand loyalty: A study of experience- commitment-loyalty constructs. *International Journal of Business Administrative*, 5(6), 13-23.
- Malar, L., Krohmer, H., Hoyer, W.D., and Nyffenegger, B. (2011). Emotional brand attachment and brand personality: The relative importance of the actual and the ideal self. *Journal of Marketing*, 75, 35-52.
- Malaysia Airline. (2014). *Malaysia airline quarterly report*. Kelana Jaya, Selangor.
- Malaysian Association of Hotels (2014). Retrieved from: http://www.hotels.org.my/images/pdf/hotel_statistic/registered%20hotel%20-%2005%202014.pdf

- Malaysian Association of Hotels (2017). Retrieved from: http://www.hotels.org.my/images/pdf/hotel_statistic/registered%20hotel%20-%2005%202014.pdf
- Malaysian Digital Association. (2016). Exploring the digital landscape in Malaysia boosting growth for digital economy. 2016 Malaysia Digital Landscape. Retrieved from: <http://www.malaysiandigitalassociation.org.my/wp-content/uploads/2016/08/Malaysia-Digital-Landscape-August-2016.pdf>
- Malciute, J. (2012). *Customer brand engagement on online social media platforms: A conceptual model and empirical analysis* (master's thesis). Aarhus University: Denmark.
- Malhotra, N.K. (2010). *Marketing Research: An Applied Orientation*. 6th edition. Upper Saddle River: Pearson/ Prentice Hall.
- Malhotra, N. and Peterson, M. (2006). *Basic marketing research: A decision-making approach*, 2nd ed., United States America: Pearson Prentice Hall.
- Malik, M.E., Naeem, B., and Nasir, A.M. (2011). Hotel service quality and brand loyalty. *Interdisciplinary Journal of Contemporary Research in Business*, 3(8), 621-629.
- Malik, M.S., Ali, H., and Ibraheem, T. (2017). Consequences of relationship marketing on customer loyalty. *International Journal of Research-Granthaalayah*, 5(2), 180-190.
- Manan, E.A. and Mokhtar, S.S.M. (2013). The relationship between self-congruity with sponsorship, customer involvement and customer loyalty. *Infrastructure University Kuala Lumpur Research Journal*, 1(1), 85-94.
- Mansori, S., Cheng, B.L., and Lee, H.S. (2012). A study of e-shopping intention of generation x and y. *Australian Journal of Basic and Applied Science*, 6(8), 28-35.
- Marakanon, L. and Panjakajornsak, V. (2017). Perceived quality, perceived risk and customer trust affecting customer loyalty of environmentally friendly electronics products. *Kasetsart Journal of Social Sciences*, 38(1), 24-30.
- Markert, J. (2004). Demographic of age: Generational and cohort confusion. *Journal of Current Issues and Research in Advertising*, 26(2), 11-25.
- Marketing Science Institute. (2010). *2010-2012 Research Priorities*. Marketing Science Institute, Boston, USA. Retrieved from: <http://image.sciencenet.cn/olddata/kexue.com.cn/upload/blog/file/2010/9/201091515178616316.pdf>

- Markos, S. and Sridevi, M. S. (2010). Employee engagement: The key to improving performance. *International Journal of Business and Management*, 5(12), 89-96.
- Martinez, M.G. (2015). Solver engagement in knowledge sharing in crowdsourcing communities: Exploring the link to creativity. *Research Policy*, 44, 1419-1430.
- Mashayekhi, M., Khodabakhsh, F., and Tabatabayi, A. (2014). The relation between involvement and brand loyalty: A case study of macaroni and pasta products. *International Journal of Scientific Management and Development*, 2(10), 569-577.
- Maslowska, E., Malthouse, E.C., and Collinger, T. (2016). The customer engagement ecosystem. *Journal of Marketing Management*, 32(5-6), 469-501.
- Matos, C.A. and Rossi, V. (2008). Word of mouth communications in marketing: A meta analytic review of the antecedents and moderators. *Journal of the Academy of Marketing Science*, 36(4), 578-596.
- Mattila, A. (2008). *Customer satisfaction, service failure, and service recovery*. In Pizam A. and Oh. H. (Ed.), *Handbook of Hospitality & Tourism Marketing*, (296-323). NY: Elsevier
- Maxwell, N.L. (2006). *Low-skilled jobs: The reality behind the popular perceptions*. In *the Working Life: The Labor Market for Workers in Low-Skilled Jobs*. Kalamazoo, MI: W.E. Upjohn Institute for Employment Research, 1-23. Retrieved from: http://research.upjohn.org/cgi/viewcontent.cgi?article=1038&context=up_bookchapters
- McCall, M. and Voorhees, C. (2010). The drivers of loyalty program success. *Cornell Hospitality Quarterly*, 51(1), 35-52.
- McFarlane, D.A. (2013). The strategic importance of customer value. *Atlantic Marketing Journal*, 2(1), 62-75.
- McKercher, B. and Denizci, B. (2010). Are tourists or marketers destination loyal. *Journal of Travel Research*, 50(2), 121-132.
- McMullan, R. (2005). A multiple-item scale for measuring customer loyalty development. *Journal of Service Marketing*, 19(7), 470-481.
- McSweeney, F.K. and Bierley, C. (1984). Recent development in classical conditioning. *Journal of Consumer Research*, 11(2), 619-631.
- Meadows, K.A. (2003). So you want to do research? 5: Questionnaire design. *British Journal of Community Nursing*, 8(12), 562-570.

- Megdadi, Y.A.A., Aljaber, J.R.A., and Alajmi, E.K.S. (2013). An examine proposed factors affecting customer loyalty toward the financial services of Jordanian commercial banks: Empirical study. *International Journal of Business and Social Science*, 4(10), 142-149.
- Mellers, B.A., Schwartz, A., Ho, K., and Ritov, I. (1997). Decision affect theory: Emotional reactions to the outcomes of risky options. *Psychological Science*, 8(6), 423-429.
- Messick, S. (1989). *Validity*. In R.L.Linn (edition), *Educational measurement*, 13-103. Washington, DC: American Council on Education and Nation Council on Measurement in Education.
- Michaelidou, N. and Dibb, S. (2008). Consumer involvement: A new perspective. *Marketing Review*, 8(1), 83-99.
- Mihaela, S. (2013). The influence of overall satisfaction and trust on customer loyalty. *Management and Marketing*, 8(1), 109-128.
- Mittal, B. and Lee, M. (1989). A causal model of consumer involvement. *Journal of Economic Psychology*, 10(3), 363-389.
- Mohatlane, E.J. (2014). Back-translation as a quality control mechanism in Sesotho translation. *Journal Social Science*, 41(2), 167-175.
- Mohsan, F., Nawaz, M.M., Khan, M.S., Shaukat, Z., and Aslam, N. (2011). Impact of customer satisfaction on customer loyalty and intentions to switch: Evidence from banking sector of Pakistan. *International Journal of Business and Social Science*, 2(16), 263-270.
- Mokhtar, S.S.M., Maiyaki, A.A., and Noor, N.M. (2011). *The relationship between service quality and satisfaction on customer loyalty in Malaysian mobile communication industry*. School of Doctoral Studies European Union Journal. Retrieved from: http://www.iiuedu.eu/press/journals/sds/SDS_2011/BME_Article4.pdf
- Mollen, A. and Wilson, H. (2010). Engagement, telepresence, and interactivity in online consumer experience: Reconciling scholastic and managerial perspective. *Journal of Business Research*, 63(9), 919-925.
- Morgan, P.P. (1989). Confidence intervals: From statistical significance to clinical significance. *Canadian Medical Association Journal*, 141(9), 881-883.
- Morgan, R.M. and Hunt, S.D. (1994). The commitment trust theory of relationship marketing. *Journal of Marketing*, 58(3), 20-38.
- Mosahab, R., Mahamad, O., and Ramayah, T. (2010). Service quality, customer satisfaction and loyalty: A test of mediation. *International Business Research*, 3(4), 72.

- Mosupyoe, S.S.L.N. (2014). *Generational differences in South African consumers' brand equity perceptions* (master's thesis). University of Pretoria
- Motiani, S. Patil, J., and Borker, S. (2013). Role and scope of hospitality in aviation. *International Journal of Commerce and Business Management*, 6(1), 1-4.
- Muijs, D. (2004). *Doing quantitative research in education with spss*. London: SAGE Publications.
- Muller, D., Judd, C. M., & Yzerbyt, V. Y. (2005). When moderation is mediated mediation is moderated. *Journal of Personality and Social Psychology*, 89, 852–863
- Muniandy, L. and Muniandy, B. (2013). The impact of social media in social and politic aspects in Malaysia: An overview. *International Journal of Humanities and Social Science*, 3(11), 71-76.
- Muscanell, N. L., and Guadagno, R. E. (2012). Make new friends or keep the old: Gender and personality differences in social networking use. *Computers in Human Behavior*, 28, 107–112.
- Myron, D. (2005). *Bye-bye boomers, welcome yers. destination crm*. Retrieved from <http://www.destinationcrm.com/Articles/Columns-Departments/Front-Office/Bye-Bye-Boomers-Welcome-Yers-42985.aspx>
- Nair, M. (2011). Understanding and measuring the value of social media. *Journal of Corporate Accounting & Finance*, 22(3), 45-51.
- Nascimento, J.C.H.B. and Macedo, M.A. (2016). Structural equation models using partial least squares: An example of the application of smartpls in accounting research. *Journal of Education and Research in Accounting*, 10(2), 282-305.
- Nazwirman, S. and Kom, M.M. (2015). The influence of perceived service performance and price fairness toward repurchase through customer satisfaction and word of mouth (an empirical study of lion air company). *International Journal of Advanced Research*, 3(10), 1846-1854.
- Ndubisi, N.O., Wah, C.K., and Ndubishi, G.C. (2007). Supplier-customer relationship management and customer loyalty: The banking industry perspective. *Journal of Enterprise Information Management*, 20(2), 222-236.
- Neti, S. (2011). Social media and its role in marketing. *International Journal of Enterprise Computing and Business Systems*, 1(2), 1-15.
- Neuts, B., Romao, J., Leeuwen, E., and Nijkamp, P. (2013). Describing the relationships between tourist satisfaction and destination loyalty in a segmented and digitalized market. *Tinbergen Institute Discussion Paper*, 164(3), 1-15.

- Newaz, F.T. (2014). *Religiosity, generational cohort and buying behaviour of Islamic financial products in Bangladesh* (doctorate's thesis). Victoria University of Wellington, New Zealand.
- Nielsen (2014). *Nielsen global e-commerce*. New York, USA: The Nielsen Company.
- Nikhashemi, S.R., Tarofder, A.K., Gaur, S.S., and Haque, A. (2015). The effect of customers' perceived value of retail store on relationship between store attributes and customer brand loyalty: Some insights from Malaysia. *Procedia Economics and Finance*, 37, 433-438.
- Norum, P.S. (2003). Examination of generational differences in household apparel expenditures. *Family Consumer Science Research Journal*, 32(1), 52-75.
- Ntale, P.D., Ngoma, M., and Muslime, A. (2013). Relationship marketing, word of mouth communication and consumer loyalty in the Ugandan mobile telecommunication industry. *African Journal of Business Management*, 7(5), 354-359.
- Nunnally, J.C. (1978). *The psychology of reading*, 2nd ed., New York: McGraw Hill.
- Nurul Syaquirah, Z. and Putra Faizurrahman, Z. (2014). Managing customer retention of hotel industry in Malaysia. *Procedia - Social and Behavioral Sciences*, 13, 379-389.
- O' Cass, A. (2002). Fashion clothing consumption: Antecedents and consequences of fashion clothing involvement. *European Journal of Marketing*, 38(7), 869-882.
- O'Connell, J.F. and Williams, G. (2005). Passengers' perceptions of low cost airlines and full service carriers: A case study involving ryanair, aer lingus, air asia and Malaysia airlines. *Journal of Air Transport Management*, 11, 259-272.
- Ohajionu, U.C. and Matthews, S. (2015). Advertising on social media and benefits to brands. *E-Bangi Journal of Social Sciences and Humanities*, 10(2), 335-351.
- Ojeda, N., Aretouli, E., Pena, J., and Schretlen, D.J. (2016). Age differences in cognitive performance: A study of cultural differences in historical context. *Journal of Neuropsychology*, 10, 104-115.
- Oke, A.O., Kamolshotiros, P., Popoola, O.Y., Ajagbe, M.A., and Olujobi, O.J. (2016). Consumer behavior towards decision making and loyalty to particular brands. *International Review of Management and Marketing*, 6(4), 43-52.
- Oliver, R. (1997). *Satisfaction: A behavioural perspective on the consumer*. Boston, MA: Irwin/McGraw-Hill.

- Omar, S., Gill, D., Phillips, N., and Cook, J. (2017). *An investigation of multi-stakeholder value co-creation processes: A conceptual model of customer engagement, co-creation, and their impact on customer satisfaction and behavioural intentions*. 50th Academy of Marketing Conference, 3-6 July 2017, Hull University Business School
- Ordun, G. (2015). Millennial (Gen Y) Consumer behavior, their shopping preferences and perceptual maps associated with brand loyalty. *Canadian Social Science*. 11(4), 40-55.
- Orr, D. (1992). *Ecological literacy: Education for a post modern world*. Albany, NY: State University of New York.
- Osman, S., Ong, F.S., Othman, M.N., and Khong, K.W. (2013). The mediating effect of mood on in-store behaviour among Muslim shoppers. *Journal of Islamic Marketing*, 5(2), 178-197.
- Ota, C.L., Baumgartner, J.J., and Berghout, A.M. (2012). Provider Stress and Children's Active Engagement. *Journal of Research in Childhood Education*, 27(1), 61-73.
- Othman, W.R.W., Apandi, Z.F.M., and Ngah, N.H. (2016). The uses of social media on student's communication and self concepts among tertiary students. *Indian Journal of Science and Technology*, 9(17), 1-8.
- Oyner, O. and Korelina, A. (2016). The influence of customer engagement in value co-creation on customer satisfaction. *Worldwide Hospitality and Tourism Themes*, 8(3), 327-345
- Paek, S. and Chathoth, P.K. (2013). Multiple levels of ethics management: A case of airline and hotel firms. *Journal Tourism Planning & Development*, 10(4), 388-415.
- Pallant (2013). *SPSS survival manual*, 5th Edition. New York: McGraw Hill.
- Paris, C.M., Lee, W., and Seery, P. (2010). The role of social media in promoting special events: Acceptance of Facebook events. *Information and Communication Technologies in Tourism*, 14, 531-541.
- Park, J. and Gursoy, D. (2011). Generation effects on work engagement among U.S. hotel employees. *International Journal of Hospitality Management*, 31(4), 1195-1202.
- Park, S.H. (1996). Relationships between involvement and attitudinal loyalty constructs in adult fitness programs. *Journal of Leisure Research*, 28(4), 233-250.
- Park, W. C. and Young, M.S. (1983). Types and levels of involvement and brand attitude. *Advanced in Consumer Research*, 10(1), 320-324.

- Parment, A. (2013). Generation y vs baby boomers: Shopping behavior, buyer involvement and implications for retailing. *Journal of Retailing and Consumer Services*, 20, 189-199.
- Patino, C.M. and Ferreira, J.C. (2015). Confidence intervals: A useful statistical tool to estimate effect sizes in the real world. *Journal Bras Pneumol*, 41(6), 565-566.
- Patternson, P., Yu, T., and Ruyter, K. (2006). *Understanding consumer engagement in services: in 'advancing theory, maintaining relevance*, Proceedings of ANZMAC 2006 Conference, Brisbane, 4-6.
- Patterson, I. and Pegg, S. (2009). Marketing the leisure experience to older tourists. *Journal of Hospitality Marketing and Management*, 18, 254–272.
- Paulrajan, R. and Rajkumar, H. (2011). Service quality and customers preference of cellular mobile service providers. *Journal of Technology Management and Innovation*, 6(1), 39-45.
- Pawan, M.T., Langgat, J., and Marzuki, K.M. (2014). Study on generation y dining out behavior in Sabah, Malaysia. *International Journal of Business and Social Science*, 5(11), 92-101.
- Pentecost, R. and Andrews, L. (2010). Fashion retailing and the bottom line: the effects of generational cohorts, gender, fashion fanship, attitudes and impulse buying on fashion expenditures. *Journal of Retailing and Consumer Services*, 17(1), 43-52.
- Peter, P.L. (1979). Reliability: A review of psychometric basics and recent marketing practices. *Journal of Marketing Research*, 16, 6-17.
- Peterson, R.A. and Kim, Y. (2013). On the relationship between coefficient alpha and composite reliability. *Journal of Applied Psychology*, 98(1), 194-198.
- Petzer, D., Mostert, P., Kruger, L., and Kuhn, S. (2014). The dimensions of brand romance as predictors of brand loyalty among cellphone users. *African Journal of Economic Management Science*, 17(4), 457-470.
- Philips, C. (2003). How do consumers express their identity through the choice of products that they buy? Retrieved from: <http://www.bath.ac.uk/management/research/pdf/2003-17.pdf>
- Philips, C. (2007). Millennials: Clued in or clueless? *Advertising Age*, 78(46), 12-13.
- Ponto, J. (2015). Understanding and evaluating survey research. *Journal of the Advance Practitioner in Oncology*, 6(2), 168-171.

- Prahalad, C.K. and Ramaswamy, V. (2004). Co-creating unique value with customers. *Strategy & Leadership*, 32(3), 4-9.
- Pratminingsih, S.A., Lipuringtyas, C., and Rimenta, T. (2013). Factors influencing customer loyalty toward online shopping. *International Journal of Trade, Economics and Finance*, 4(3), 104-110.
- Prendergast, G.P., Tsang, A.S.L., and Chan, C.N.W. (2010). The interactive influence of country of origin of brand and product involvement on purchase intention. *Journal of Consumer Marketing*, 27(2), 180-188.
- Prentice R.C. (2004). *Tourist motivation and typologies*. In A.A. Lew, C.M. Hall, A.M. Williams, editors. *A Companion to tourism*. (pp. 261–279) Oxford: Pergamon
- Quan-Haase, A., and Young, A. L. (2010). Uses and gratifications of social media: A comparison of facebook and instant messaging. *Bulletin of Science, Technology & Society*, 30(5), 350-361. Doi: 10.1177/0270467610380009
- Queiri, A. Wan Yusoff, W.F., and Dwaikat, N. (2015). Explaining generation-y employees' turnover in Malaysian context. *Asian Social Science*, 11(10), 126-138.
- Quester, P. and Lim, A. L. (2003). Product involvement/ brand loyalty: Is there a link? *Journal Product and Brand Management*, 12(1), 22-38.
- Rahbarian, H. and Meshkani, F.A. (2013). Consumer involvement profile: An application of consumer involvement in mobile industry. *Management Science Letters*, 4, 617-620.
- Rahman, M.K. and Jalil, M.A. (2014). Exploring factors influencing customer loyalty: An empirical study on Malaysian hypermarket perspective. *British Journal of Applied Science & Technology*, 4(12), 1772-1790.
- Rahman, M.S., Daud, N.M., and Hassan, H. (2017). Generation “x” and “y” knowledge sharing behaviour: The influence of motivation and intention on non-academic staff of higher learning institutions. *Journal of Applied Research in Higher Education*, 9(2), 325-342.
- Rahman, Z., Suberamanian, K., Zanuddin, H., and Md Nasir, M.H. N. (2017). Social media content analysis “study on brand posts of electronics companies”. *Journal of Engineering and Applied Sciences*, 12(1), 87-94.
- Rai, A.K. and Srivastava, M. (2012). Customer loyalty attributes: A perspective. *NMIMS Management Review*, 22, 0971-1023.
- Rajicic, B.N. and Ciric, M. (2008). The importance of service quality for achieving customer satisfaction. *Annals of the Oradea University*, 7(17), 2572-2579.

- Ramiz, M., Qasim, M., Rizwan, M., Aslam, F., Khurshid, A. (2014). The comparative analysis of the factors effecting brand loyalty towards Samsung products. *Journal Sociological Research*, 5(1), 327-349.
- Ramli, R. (2013). Cultural appropriate communication in Malaysia: Budi Bahasa as warranty component in Malaysian discourse. *Journal of Multicultural Discourses*, 8(1), 65-78.
- Rani, P. (2014). Factors influencing consumer behaviour. *International Journal of Current Research and Academic Review*, 2(9), 52-61.
- Rao, R.R. and Jani, R. (2009). Spurring economic growth through education: The Malaysian approach. *Educational Research and Review*, 4(4), 135-140.
- Rasheed, F.A. and Abadi, M.F. (2014). Impact of service quality, trust and perceived value on customer loyalty in Malaysia services industries. *Procedia - Social and Behavioral Sciences*, 164, 298-304.
- Rasmussen, J.L. (1988). Evaluating outlier identification tests: Mahalanobis d squared and comrey d. *Multivariate Behavioural Research*, 23(2), 189-202.
- Reinartz, W., Haenlein, M., and Henseler, J. (2009). An empirical comparison of the efficacy of covariance-based and variance-based sem. *International Journal of Research in Marketing*, 26(4), 332-344.
- Reise, S.P., Comrey, A.L., and Waller, N.G. (2000). Factor analysis and scale revision. *Psychological Assessment*, 12(3), 289-297.
- Reisenwitz, T.H. and Iyer, R. (2009). Differences in generation x and generation y: Implication for the organization and marketers. *Marketing Management Journal*, 19(2), 91-103.
- Reitz, A. (2012). *Online consumer engagement: Understanding the antecedents and outcomes* (doctorate's dissertation). Retrieved from: https://dspace.library.colostate.edu/bitstream/handle/10217/68197/Reitz_colostate_0053A_11322.pdf?sequence=1&isAllowed=y
- Renko, S. and Popovic, D. (2015). Exploring the consumers' acceptance of electronic retailing using technology acceptance model. *Poslovna Izvrnost Business Excellence*, 9(1), 29-40.
- Reynolds, K.E. and Beatty, S.E. (1999). Customer benefits and company consequences of customer-salesperson relationships in retailing. *Journal of Retailing*, 75(1), 11-32.
- Reynolds, T. J. and Gutman, J. (1984). Advertising is image management. *Journal of Advertising Research*, 24, 27-38.

- Rich, B.L., Lepine, J.A., and Crawford, E.R. (2010). Job engagement: Antecedents and effect on job performance. *Academy of Management Journal*, 53(3), 617-635.
- Rigaux-Bricmont, B. (1982). Influences of brand names and packaging on perceived quality. *Advances in Consumer Research*, 9, 472-477.
- Rigdon, E.E. (2012). Rethinking partial least squares path modelling: In praise of simple methods. *Long Range Planning*, 45(5-6), 341-358.
- Ringim, K.J., Razali, M.R., and Hasnan, N. (2012). A framework of business process re-engineering factors and organizational performance of Nigerian Banks. *Asian Social Science*, 8(4), 203-216.
- Ringle, C., Sarstedt, M., and Zimmermann, L. (2011). Customer satisfaction with commercial airlines: The roles of perceived safety and purpose of travel. *Journal of Marketing Theory and Practice*, 19(4), 459-472.
- Ringle, C., Wende, S., and Will, A. (2005). *SmartPLS 2.0 (Beta)*. Hamburg. (www.smartpls.de).
- Rizwan, M., Ali, S.H., Akhter, S., Abbas, Y., Kanwal, A., Iqbal, S., and Aziz, W. (2013). Determinants affecting consumer complaining behaviour: A study in a university of Pakistan. *Asian Journal of Empirical Research*, 3(2), 160-174.
- Rodger, E.C. and Schneider, K.C. (1993). An empirical evaluation of the Kapferer-Laurent consumer involvement profile scale. *Psychology & Marketing*, 10(4), 333-345.
- Roscoe, J.T. (1975). *Fundamental Research Statistics for the Behavioural Sciences*, 2nd ed., New York: Holt Rinehart and Winston.
- Rosenbaum, M.S. and Massiah, C. (2011). An expanded service scape perspective. *Journal of Service Management*, 22(4), 471-490.
- Rosenberg, M (1979). *Conceiving the Self*. New York: Basic Books.
- Roskos, K., Burstein, K., and You, B. (2012). A typology for observing children's engagement with ebooks at preschool. *Journal of Interactive Online Learning*, 11(2), 47-66.
- Rowan, M. and Huston, P. (1997). Qualitative research articles: Information for authors and peer reviewers. *Canadian Medical Association Journal*, 157(10), 1442-1446.
- Roy, S. (2010). Competitive in service sector: A case of hotel industry in India. *Global Business Review*, 12(1), 51-69.

- Rubenfield, G.D. (2004). Surveys: An introduction. *Respiratory Care*, 49(10),1181-1185.
- Ruiz-Molin, M. and Gil-Saura, I. (2008). Perceived value, customer attitude and loyalty in retailing. *Journal of Retail and Leisure Property*, 7, 305-314.
- Rundh, B. (2005). The multi-faceted dimension of packaging. *British Food Journal*, 107 (9), 670-684.
- Rupik, K. (2015). Customer engagement behaviour in fashion industry. *International Conference on Marketing and Business Development Journal*, 1(1), 338-346.
- Russell-Bennett, R., McColl-Kennedy, J., and Coote, L.V. (2007). Involvement, satisfaction, and brand loyalty in a small business services setting. *Journal of Business Research*, 60(1), 1253-1260.
- Sadasivan, K., Rajakumar, C.S., and Rajunikanth, R. (2011). *Involvement and continuous patronage: Indicators of consumer's intention to purchase towards private label brand extensions*. 2011 International Conference on Innovation, Management and Service. IACSIT Press: Singapore.
- Sagayadevan, V. and Jeyaraj, S. (2012). The role of emotional engagement in lecturer-student interaction and the impact on academic outcomes of student achievement and learning. *Journal of the Scholarship of Teaching and Learning*, 12(3), 1-30.
- Salanova, M., Agut, S., and Peiro, J.M. (2005). Linking organizational resources and work engagement to employee performance and customer loyalty: The mediation of service climate. *Journal of Applied Psychology*, 90(6), 1217-1227.
- Saleh, M. and Akhavanfar, A. (2015). Study of relationship between customer involvement and satisfaction, trust and commitment of customer (Case study: Electronic banking services of Ansar Bank). *Journal of Novel Applied Sciences*, 4(6), 687-693.
- Salman, A. and Hasim, M.S. (2011). Internet usage in a Malaysian sub-urban community: A study of diffusion of ict innovation. *The Innovation Journal: The Public Sector Innovation Journal*, 16(2), 1-15.
- Sangeetha, R. (2016). The changing face of services marketing. *IOSR Journal of Business and Management*, 38-40. Retrieved from: <http://www.iosrjournals.org/iosr-jbm/papers/Conf-ICSMTSA/Volume%202/1%2038-40.pdf>
- Sarker, M.S. and Islam, R. (2013). Competitive market of air industry and competitive advantages for customer satisfaction through pricing strategy of air-asia. *Journal of Applied Sciences Research*, 9(4), 2505-2512.

- Sarstedt, M., Ringle, C.M., Henseler, J., and Hair, J.F. (2014). On the emancipation of pls-sem: A commentary on rigdon (2012). *Long Range Planning*, 47(3), 154-160.
- Sarstedt, M., Ringle, C.M., Smith, D., Reams, R., and Hair, J.F. (2014). Partial least squares structural equation modeling (pls-sem): A useful tool for family business researchers. *Journal of Family Business Strategy*, 5(1), 105-115.
- Sarwar, M.Z., Abbasi, K.S., and Pervaiz, S. (2012). The effect of customer trust on customer loyalty and customer retention: A moderating role of cause related marketing. *Global Journal of Management and Business Research*, 12(6), 27-36.
- Sata, M. (2013). Factors affecting consumer buying behavior of mobile phone devices. *Mediterranean Journal of Social Sciences*, 4(12), 103-112.
- Saunders, M., Lewis, P., and Thornhill, A. (2009). *Research Methods for Business Students*. London: Prentice Hall.
- Schaufeli, W.B., Salanova, M., Gonzalez-Roma, V., and Bakker, A.B. (2002). The measurement of engagement and burnout: A two sample confirmatory factor analytical approach. *Journal of Happiness Studies*, 3, 71-92.
- Schewe, C.D. and Noble, S.M. (2010). Marketing segmentation by cohorts: The value and validity of cohorts in America and abroad. *Journal of Marketing Management*, 16(1-3), 129-142.
- Schewe, C.D., Meredith, G.E., and Nobel, S.M. (2000). Defining moments: Segmenting by cohorts. *Marketing Management*, 9(3), 48-53.
- Schlomer, G.L., Bauman, S., and Card, N.A. (2010). Best practices for missing data management in counseling psychology. *Journal of Counseling Psychology*, 57(1), 1-10.
- Schwartz, B. (2004). *The Paradox of Choice: Why More is Less*. New York: HarperCollins e-books.
- Sedgwick, P. (2014). Cross sectional studies: Advantages and disadvantages. *BMJ*, 348(2), 2276-2276.
- Sekaran, U. (2000). *Research Method for Business: A Skill Building Approach*. New York: John Wiley and Sons, Inc.
- Senel, M. (2007). The semiotic approach and language teaching and learning. *Journal of Language and Linguistic Studies*, 3(1), 117-132.
- Shagvaliyeva, S. and Yazdanifard, R. (2014). Impact of flexible working hours on work-life balance. *American Journal of Industrial and Business Management*, 4, 20-23.

- Shamsudin, M.F., Razali, N.A.M., and Hassim, A.A. (2015). Factors influencing customer loyalty in private healthcare services. *The International Journal of Social Sciences and Humanities Invention*, 2(10), 1622-1625.
- Sharma, A., Bholra, S., Malyan, S., and Patni, N. (2013). Impact of brand loyalty on buying behavior of women consumers for beauty care products- Delhi region. *Global Journal of Management and Business Studies*, 3(7), 817-824.
- Sheanan, P. (2005). *Generation y: Thriving and surviving with generation y at work*. Prahan, Victoria: Hardie Grant Books.
- Sheldon, P. (2008). Student favorite: Facebook and motives for its use. *Southwestern Mass Communication Journal*, 23(2), 39-53.
- Sherif, C.W. and Sherif, M. (1967). *Attitude, Ego-involvement, and Change*. New York:Wiley.
- Sherif, M. and Sargent, S. (1947). Ego-involvement and the mass media. *Journal of Social Issues*, 3(3), 8-16.
- Shin, K., and Lee, C.Y. (2014). A study on behavioural intention of sharp mail potential users focused on non-repudiation function. *International Journal of Security and Its Application*, 8(4), 341-352.
- Shrestha, B.R. (2014). *Airline brand loyalty: A case study involving the three airlines, sas, Norwegian and wideroe* (Master thesis, UiT the Arctic University of Norway). Retrieved from: <http://munin.uit.no/bitstream/handle/10037/6917/thesis.pdf?sequence=2>
- Shu, S.B. and Peck, J. (2011). Psychological ownership and affective reaction: Emotional attachment process variables and the endowment effect. *Journal of Consumer Psychology*, 21, 439-452.
- Silayoi, P. and Speece, M. (2005). The importance of packaging attributes: A conjoint analysis approach. *European Journal of Marketing*, 41(11/12), 1495-1517.
- Simon, M.K. and Goes, J. (2011). *Correlational research*. Retrieved from: <http://dissertationrecipes.com/wp-content/uploads/2011/04/Correlational-Research-hX.pdf>
- Simon, J. B., Seigyoung, A., & Karen, S. (2005). Customer relationship dynamics: service quality and customer loyalty in the context of varying levels of customer expertise and switching costs. *Journal of the Academy of Marketing Science*, 33(2), 169-183.
- Singh, Y.K. (2006). *Fundamental of research methodology and statistics*. New Delhi: New Age International Publishers.

- Sipos, Y., Battisti, B., and Grimm, K. (2006). Achieving transformative sustainability learning: Engaging head, hands and heart. *International Journal of Sustainability in Higher Education*, 9(1), 68-86.
- Sithraputhran, S. (2014). Three things about: Malaysia Airlines' massive losses. *Malay Mail Online*. Retrieved from: <http://www.themalaymailonline.com/malaysia/article/three-things-about-malaysia-airlines-massive-losses>
- Smith, S. (2013). *Determining sample size: How to ensure you get the correct sample size* [E-book Version]. Retrieved from <https://www.qualtrics.com/blog/determining-sample-size/>
- So, J., Achar, C., Han, D., Agrawal, N., Duhachek, A., and Maheswaran, D. (2015). The psychology of appraisal: Specific emotions and decision-making. *Journal of Consumer Psychology*, 25(3), 359-371.
- So, K.K. F., King, C., and Sparks, B. (2012). Customer engagement with tourism brands: Scale development and validation. *Journal of Hospitality and Tourism Research*. Retrieved from: <http://jht.sagepub.com/content/early/2012/06/28/1096348012451456.full.pdf+html>
- So, K.K.F., King, C., and Sparks, B. (2014). Customer engagement with tourism brands: Scale development and validation. *Journal of Hospitality and Tourism Research*, 38(3), 304-329.
- So, K.K.F., King, C., Sparks, B., and Wang, Y. (2016). The role of customer engagement in building consumer loyalty to tourism brands. *Journal of Travel Research*, 55(1), 64-78.
- Soch, H. and Aggarwal, N. (2013). Influence of commitment on customer discretionary behaviour: A survey in retail sector. *Universal Journal of Management*, 1(2), 103-110.
- Soderlund, M. (1998). Customer satisfaction and its consequences on customer behaviour revisited the impact of different levels of satisfaction on word-of-mouth, feedback to the supplier and loyalty. *International Journal of Service Industry Management*, 9(2), 169-188.
- Soderlund, M. (2006). Measuring customer loyalty with multi- item scales: A case for caution. *International Journal of Service Industry Management*, 17(1), 76-98.
- Sohibah, M., Mohamad, M., Ali, N.A.M., and Ismail, W.Z.W. (2015). E-commerce service quality on customer satisfaction, belief and loyalty: A proposal. *Mediterranean Journal of Social Sciences*, 6(2), 260-266.
- Solem, B.A.A. (2015). *The process of customer brand engagement in interactive contexts: Prerequisites, conceptual foundations, antecedents, and outcomes* (doctoral's thesis). Retrieved from: https://brage.bibsys.no/xmlui/bitstream/handle/11250/2412903/Solem_PhD_thesis.pdf?sequence=1

- Sondoh Jr., S.L., Omar, M.W., Wahid, N.A., Ismail, I., and Harun, A. (2007). The effect of brand image on overall satisfaction and loyalty intention in the context of color cosmetic. *Asian Academy of Management Journal*, 12(1), 83-107.
- Spáčil, V. and Teichmannová, A. (2016). Intergenerational analysis of consumer behaviour on the beer market. *Procedia - Social and Behavioral Sciences*, 220, 487-495.
- Speed, R. and Thompson, P. (2000). Determinants of sports sponsorship response. *Journal of Academy of Marketing Science*, 28(2), 226-238.
- Sponcil, M. and Gitimu, P. (2013). Use of social media by college students: Relationship to communication and self-concept. *Journal of Technology Research*, 4(1), 16-28.
- Sprott, D., Czellar, S., and Spangenberg, E. (2009). The importance of a general measure of brand engagement on market behaviour: Development and validation of scale. *Journal of Marketing Research*, 46(2), 92-104.
- Srivastava, K. and Sharma, N. (2011). Exploring the multidimensional role of involvement and perceived risk in brand extension. *International Journal of Commerce and Management*, 21(4), 410-427.
- Srivastava, K. and Sharma, N.K. (2013). Consumer attitude towards brand extension: A comparative study of fast moving consumer goods, durable goods and services. *Journal of Indian Business Research*, 5(3), 177-197.
- Stage, F.K., Carter, H.C., and Nora, A. (2004). Path analysis: An introduction and analysis of a decade of research. *The Journal of Educational Research*, 98(1), 5-13.
- Staniszewska, S., Adebajo, A., Barber, R., Beresford, P., Brady, L., Brett, J., Elliott, J., Evans, D., Haywood, K.L., Jones, D., Mockford, C., Nettle, M., Rose, D., and Williamson, T. (2011). Developing the evidence base of patient and public involvement in health and social care research: The case for measuring impact. *International Journal of Consumer Studies*, 35, 628-632.
- Starman, A.B. (2013). The case study as a type of qualitative research. *Journal of Contemporary Educational Studies*, 64(1), 28-43.
- Statista. (2018). *Most popular social network worldwide as of January 2018, ranked by number of active users (in millions)*. Retrieved from: <https://www.statista.com/statistics/272014/global-social-networks-ranked-by-number-of-users/>
- Stevens, J.P. (1984). Outliers and influential data points in regression analysis. *Psychological Bulletin*, 95, 334-344.

- Stevik, K. (2011). *Value in s-d logic and economics: Towards a common understanding*. Retrieved at: <https://brage.bibsys.no/xmlui/bitstream/handle/11250/134811/Kristin%20Stevik%20-%20konferansebidrag.pdf?sequence=1>
- Straker, K. and Wrigley, C. (2016). Emotionally engaging customers in the digital age: The case study of “burberry love”. *Journal of Fashion Marketing and Management*, 20(3), 276-299.
- Strang, K.D. (2015). *The Palgrave Handbook of Research Design in Business and Management*. NY: Palgrave Macmillan.
- Strauss, A. and Corbin, J. (1990). *Basic of Qualitative Research: Grounded Theory Procedures and Techniques*. London: Sage Publications.
- Strauss, J. and Frost, R. (2001). *E-Marketing*. Upper Saddle River, NJ: Prentice Hall.
- Stryjewski, L. (2010). 40 years of boxplots. Manuscript available online: <http://had.co.nz/stat645/project-03/boxplots.pdf>
- Subramaniam, A., Mamun, A.A., Permarupan, P.Y., and Zainol, N.R. (2014). Effects of brand loyalty, image and quality on brand equity: A study among Bank Islam consumers in Kelantan, Malaysia. *Asian Social Science*, 10(14), 67-73.
- Subramaniam, P.R. (2009). Motivational effects of interest on student engagement and learning in physical education: A review. *Research Quarterly for Exercise and Sport*, 46, 11-19.
- Sukamolson, S. (2007). Fundamentals of quantitative research. Retrieved from: <https://pdfs.semanticscholar.org/336b/6928c8ee7f3fac6bbeb1e0e1769169c447f7.pdf>
- Sulekha, D. and Mor, K. (2013). An investigation of consumer buying behavior for fmcg: An empirical study of rural Haryana. *Global Journal of Management and Business Research Marketing*, 13(3), 45-49.
- Sun, S. (2008). Organizational culture and its themes. *International Journal of Business and Management*, 3(12), 137-141.
- Sundaray, B.K. and Vihar, C. (2011). Employee engagement: A driver of organizational effectiveness. *European Journal of Business and Management*, 3(8), 53-59.
- Suresh, K. and Chandrashekara, S. (2012). Sample size estimation and power analysis for clinical research studies. *Journal Human Reproduction Science*, 5(1), 7-13.

- Suthar, B.K., Lathangi, R., Pradhan, S., and Suthar, B.K. (2014). Impacts of marketing mix and customer perception on brand loyalty. *Global Journal of Finance and Management*, 6(7), 619-636.
- Tabachnick, B.G. and Fidell, L.S. (2013). *Using Multivariate Statistics*, 6th Edition, Boston, MA: Pearson.
- Tan, B.S. and Yap, E.H. (2015). Sustainable growth of the commercial aviation industry in Malaysia using a system dynamics approach. *Journal of Engineering Science and Technology*, 10(9), 1150-1161.
- Tanadi, T., Samadi, B., and Gharleghi, B. (2015). The impact of perceived risks and perceived benefits to improve an online intention among generation-y in Malaysia. *Asian Social Science*, 11(26), 226-238.
- Tavsan, A.N. (2015). How to increase attention to advertisements across baby boomers, x and y generations. *Journal of Management Marketing Logistics*, 2(2), 69-82.
- Tay, A. (2011). Managing generational diversity at the workplace: Expectations and perceptions of different generations of employees. *African Journal of Business Management*, 5(2), 249-255.
- Taylor, L. and Parsons, J. (2011). Improving student engagement. *Current Issues in Education*, 14(1), 1-33.
- Te'eni-Harari, T. and Hornik, J. (2010). Factors influencing product involvement among young consumers. *Journal of Consumer Marketing*, 27(6), 499-506.
- Tefera, O. and Govender, K. (2017). Service quality, customer satisfaction and loyalty: The perceptions of Ethiopian hotel guests. *Journal of Hospitality, Tourism and Leisure*, 6(2), 1-22.
- Tepeci, M. (1999). Increasing brand loyalty in the hospitality industry. *International Journal of Contemporary Hospitality Management*, 11(5), 223-230.
- Thatcher, R.W. (2010). Validity and reliability of quantitative electroencephalography (qEEG). *Journal of Neurotherapy*, 14, 122-152.
- Thomas, B. and Wolfgang, W. (2010). Developments and challenges in the hospitality and tourism sector: Issues paper for discussion at the Global Dialogue Forum for the Hotels, Catering. *Tourism Sector*. Retrieved from: <http://t20.unwto.org/sites/all/files/docpdf/gdfhts-r-2010-08-0058-11-en.pdf>
- Thompson, R., Barclay, D., and Higgins, C. (1995). The partial least squares (pls) approach to causal modelling: Personal computer adoption and use as an illustration. *Technology Studies: Special Issue on Research Methodology*, 2(2), 284-324.

- Thomson, M., MacInnis, D.J., and Park, W. (2005). The ties that bind: Measuring the strength of consumers' emotional attachments to brands. *Journal of Consumer Psychology*, 15(1), 77-91.
- Thongthip, W. and Jaroenwanit, P. (2016). *The influence of product involvement and perceived value on customer brand engagement of thai and lao consumer: A case of milk products. Paper presented at Proceeding of 53rd ISERD International Conference Zurich, Switzerland, 30th -31st October 2016.* Retrieved from: http://www.worldresearchlibrary.org/up_proc/pdf/482-147765354811-16.pdf
- Timmermans, H., Borgers, A., and Waerden, P. (1992). Choice experiments versus revealed choice models: A before-after study of consumer spatial shopping behavior. *Forum and Journal of the Association of American Geographers*, 44(4), 406-416.
- Ting, H. and Run, E.C. (2012). Generations x and y attitude towards controversial advertising. *Asian Journal of Business Research*, 2(2). Retrieved from: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=2346318
- Tolba, A.H. (2011). The impact of distribution intensity on brand preference and brand loyalty. *International Journal of Marketing Studies*, 3(3), 56-66.
- Tonn, B.E. (2009). Obligations to future generations and acceptable risks of human extinction. *Futures*, 41(7), 427-435.
- Torres, I.C. (2013). *Online news-seeking behavior among three generational cohorts: Baby boomers, generation x, and generation y* (doctorate's thesis). Rochester Institute of technology. Retrieved from: <http://scholarworks.rit.edu/cgi/viewcontent.cgi?article=1968&context=theses>
- Tourism Wide. (2017). *Global travel and tourism industry*. Statista. Retrieved from: <https://www.statista.com/topics/962/global-tourism/>
- Touvier, M., Mejean, C., Kesse-Guyot, E., Pollet, C., Malon, A., Castetbon, K., and Hercberg, S. (2010). Comparison between web-based and paper versions of a self-administered anthropometric questionnaire. *European Journal of Epidemiology*, 25(5), 287-296.
- Touzani, M. and Temessek, A. (2009). Brand loyalty: Impact of cognitive and affective variables. *The Annals of Dunarea de Jos University of Galati*, 1, 227-242. Retrieved from: http://www.ann.ugal.ro/eco/Doc2009/MouradTouzani_Azza_Temessek.pdf
- Trade and Development Board (2013), United Nations. United Nations Conference on Trade and Development. Sustainable tourism: Contribution to economic growth and sustainable development. Retrieved from: http://unctad.org/meetings/en/SessionalDocuments/ciem5d2_en.pdf

- Travel Update. (2014). *Malaysia airline losses widen after mh17 and mh370*. *News.com.au*. Retrieved from: <http://www.news.com.au/travel/travel-updates/malaysia-airlines-losses-widen-after-air-disasters-of-mh17-and-mh370/news-story/0450d34f548aae9f0700ef71b3cd7595>
- Traylor, M.B. (1981). Product-involvement and brand commitment. *Journal of Advertising Research*, 21(6), 51-56.
- Traylor, M.B. and Joseph, W.B. (1984). Measuring consumer involvement in products: Developing a general scale. *Psychology & Marketing*, 1(2), 65-77.
- Tsai, S. P. (2005). Utility, cultural symbolism and emotion: A comprehensive model of brand purchase value. *International Journal of Research in Marketing*, 22(3), 277-291
- Tsantoulis, M. and Palmer, A. (2008). Quality convergence in airline co-brand alliances. *Managing Service Quality: An International Journal*, 18(1), 34-64.
- Tse, T.S.M. and Poon, Y. (2016). Modeling no-shows, cancellations, overbooking, and walk-ins in restaurant revenue management. *Journal of Foodservice Business Research*, 20(2), 127-145.
- Turban, E., Strauss, J., and Lai, L.S.L. (2015). *An IS and marketing perspective*. Social Commerce. Springer. Retrieved from: <http://www.springer.com/l/a/book/9783319170275>
- Turner, R. (2017). *The economic impact of travel and tourism 2017*. Retrieved from World Travel and Tourism Council: <https://www.wttc.org/-/media/files/reports/economic-impact-research/regions-2017/world2017.pdf>
- Turner, R. (2015). *The economic impact of travel and tourism 2015*. Retrieved from World Travel and Tourism Council: <http://zh.wttc.org/-/media/files/reports/economic-impact-research/regional-2015/world2015.pdf>
- Turri, A.M., Smith, K.H., and Kemp, E. (2013). Developing affective brand commitment through social media. *Journal of Electronic Commerce Research*, 14(3), 201-214.
- Tutek, E., Gebbie, M., and Chan, K.Y.G. (2015). *Tourism megatrends: 10 things you need to know about the future of tourism*. Horwath HTL, Hotel, Tourism and Leisure. Retrieved from: <http://horwathhtl.com/files/2015/12/Tourism-Mega-Trends1.pdf>
- Tuu, H.H. and Olsen, S.O. (2012). Certainty, risk and knowledge in the satisfaction-purchase intention relationship in a new product experiment. *Asia Pacific Journal of Marketing and Logistics*, 24(1), 78-101.
- Udo-Akang, D. (2012). Theoretical constructs, concepts, and applications. *American International Journal of Contemporary Research*, 2(9), 89-97.

- Urbach, N. and Ahlemann, F. (2010). Structural equation modelling in information systems research using partial least square. *Journal of Information Technology Theory and Application*, 11(2), 5-40.
- Utami, S. (2015). The influence if customers' trust on customer loyalty. *International Journal of Economics, Commerce and Management*, 3(7), 638-653.
- Valle, P.O., Silva, J.A., Mendes, J., and Guerreiro, M. (2006). Tourist satisfaction and destination loyalty intention: A structural and categorical analysis. *International Journal of Business Science and Applied Management*, 1(1), 26-44.
- Van Doorn, J., Lemon, K.N., Mittal, V., Nass, S., Pick, D., Pirner, P., and Verhoef, P.C. (2010). Customer engagement behavior: Theoretical foundations and research directions. *Journal of Service Research*, 13(3), 253-266.
- Vargo, S.L. and Lusch, R.F. (2004). Evolving to a new dominant logic for marketing. *Journal of Marketing*, 68, 1-17.
- Vargo, S.L. and Lusch, R.F. (2006). Service dominant logic: What is it, what it is not, what it might be. *In the Service-Dominant Logic of Marketing: Dialog, Debate, and Direction*, Vargo, S.L. and Lusch, R.F eds, Armonk, M.E. Sharpe, 43-56.
- Vargo, S.L. and Lusch, R.F. (2008). Service dominant logic: Continuing the evolution. *Journal of the Academic Marketing Science*, 36, 1-10.
- Vargo, S.L. and Lusch, R.F. (2016). Institutions and axioms: An extension and update of service-dominant logic. *Journal of Academic Marketing Science*, 44, 5-23.
- Vargo, S.L. and Lusch, R.F. (2017). Service-dominant logic 2025. *International Journal of Research in Marketing*, 34, 46-67.
- Varki, S. and Wong, S. (2003). Consumer involvement in relationship marketing of services. *Journal of Service Research*, 6(1), 93-91.
- Vazifehdooost, H. and Kia, A. (2015). Investigation of the influence of purchase involvement dimensions on brand loyalty. *Journal of Applied Environmental and Biological Sciences*, 5(5), 420-427.
- Vazifehdooost, H., Rahnama, A., and Mousavian, S.J. (2014). Evaluation of the impact of brand purchase involvement, satisfaction, experience and brand trust on loyalty to brand. *Mediterranean Journal of Social Sciences*, 5(20), 3054-3063.
- Vazifehdooost, H., Vaezi, M., and Jafari, M. (2015). Investigation of relationship between purchase involvement and loyalty to brand. *Journal of Applied Environmental and Biological Sciences*, 5(7), 205-211.

- Velmurugan, M.S. (2009). Security and trust in e-business: Problems and prospects. *International Journal of Electronic Business Management*, 7(3), 151-158.
- Vera, J. and Trujillo, A. (2017). Searching most influential variables to brand loyalty measurements: An exploratory study. *Contaduría y Administración*, 62(2), 600-624.
- Verbeke, W. and Vackier, I. (2003). Profile and effects of consumer involvement in fresh meat. *Meat Science*, 67, 159-168.
- Verhoef, P.C., Reinartz, W.J., and Krafft, M. (2010). Customer engagement as a new perspective in customer management. *Journal of Service Research*, 13(3), 247-252.
- Vinerean, S., Opreana, A., and Tichindelean, M. (2014). Analyzing consumer engagement programs from the perspective of a qualitative research of marketing executives. *Procedia Economics and Finance*, 16, 621-630.
- Virvilaite, R., Tumasonyte, D., and Sliburyte, L. (2015). The influence of word of mouth communication on brand equity: Receiver perspectives. *Procedia Social and Behavioral Sciences*, 213, 641-646.
- Vivek, S.D. (2009). *A scale of consumer engagement* (doctorate's dissertation). Retrieved from: http://libcontent1.lib.ua.edu/content/u0015/0000001/000096/u0015_0000001_0000096.pdf
- Vivek, S.D., Beatty, S.E., and Morgan, R.M. (2012). Customer engagement: Exploring customer relationships beyond purchase. *Journal of Marketing Theory and Practice*, 20(2), 122-145.
- Waaiker, C.J.F., Belder, R., Sonneveld, H., Bochove, C.A., and Weijden, I.C.M. (2016). Temporary contracts: Effect on job satisfaction and personal lives of recent PhD graduates. Doi: 10.1007/s10734-016-0050-8
- Wang, Y. and Fesenmaier, D.R. (2004). Towards understanding members' general participation in and active contribution to an online travel community. *Tourism Management*, 25(6), 709-722.
- Weiner, J. (2007). Measurement: Reliability and validity measures. [Power Point]. Retrieved from: http://ocw.jhsph.edu/courses/hsre/PDFs/HSRE_lect7_weiner.pdf
- Weiss, N.A. (2012). *Introductory Statistics*, 9th eds. New York: Pearson.

- Wen, C.H. and Hilmi, M. F. (2011). *Exploring service quality, customer satisfaction and customer loyalty in the Malaysian mobile telecommunication industry*. Paper presented at: IEEE Colloquium on Humanities, Science and Engineering Research, Penang. Retrieved at: https://www.researchgate.net/profile/Mohd_Faiz_Hilmi/publication/239765733_Exploring_Service_Quality_Customer_Satisfaction_And_customer_loyalty_in_the_Malaysian_mobile_telecommunication_industry/links/54ae0ff40cf24aca1c6f723d/ExploringService-Quality-Customer-Satisfaction-And-customer-loyalty-in-the-Malaysian-mobile-telecommunication-industry.pdf
- Wennerholm, E. (2012). Transitioning from a goods-dominant to a service-dominant logic: Visualizing the role of remote monitoring systems. Retrieved from: <http://www.diva-portal.org/smash/get/diva2:539625/FULLTEXT01.pdf>
- Westbrook, R.A. (1987). Product/consumption-based affective responses and postpurchase processes. *Journal of Marketing Research*, 24, 170-258.
- Westland, S. and Shin, M.J. (2015). The relationship between consumer colour preferences and product-colour choices. *Journal of the International Colour Association*, 14, 47-56.
- Wigfield, A., Guthrie, J.T., Perencevich, K.C., Taboada, A., Klauda, S.L., McRae, A., and Barbosa, P. (2008). Role of reading engagement in mediating effects of reading comprehension instruction on reading outcomes. *Psychology in the Schools*, 45, 432– 445.
- Williams, K.C. and Page, R.A. (2011). Marketing to the generations. *Journal of Behavioural Studies in Business*, 3(1), 1-17.
- Williams, L.J., Vandenberg, R.J., and Edwards, J.R. (2009). Structural equation modeling in management research: A guide for improved analysis. *The Academy of Management Annals*, 3(1), 543-604.
- Williams, R. (2015). Missing data part 1: Overview, traditional method. University of Notre Dame, Retrieved from: <http://www3.nd.edu/~rwilliam/stats2/112.pdf>
- Williams, K.R. (2017). Dynamic airline pricing and seat availability. Retrieved from: <https://cowles.yale.edu/sites/default/files/files/pub/d30/d3003.pdf>
- Wirtz, J., Den Ambtman, A., Bloemer, J., Horvath, C., Ramaseshan, B., Van De Klundert, J., Gurhan Canli, Z., and Kandampully, J. (2013). Managing brands and consumer engagement in online brand communities. *Journal of Service Management*, 24(3), 223-244.
- Wirtz, J., Mattila, A.S., and Tan, R.L.P. (2000). The moderating role of target-arousal on the impact of affect on satisfaction: An examination in the context of service experiences. *Journal of Retailing*, 76, 347-365

- Wissman, M., Stone, B., and Schuster, E. (2012). Increasing your productivity with web- based survey. *Journal of Extension*. Retrieved from: <https://www.joe.org/joe//2012august/tt4.php>
- Wolburg, J.M. and Pokrywczynski, J. (2001). A psychographic analysis of generation y college students. *Journal of Advertising Research*, 33-52.
- Wolf, M.M., Carpenter, S., and Qenani-Petrela, E. (2005). A comparison of x, y, and boomer generation wine consumers in California. *Journal of Food Distribution Research*, 36(1), 186-191.
- Wong, A. (2004). The role of emotional satisfaction in service encounters. *Managing Service Quality*, 14(5), 365-376.
- Wong, M., Cheung, R., and Wan, C. (2013). A study on traveler expectation, motivation and attitude. *Contemporary Management Research*, 9(2), 169-186.
- Wong, P.H. (2014a). Success factors of Taiwan in timss mathematics assessment. *International Journal of Education and Psychological Research*, 3(3), 6-12.
- Wong, Y.T. (2014b). *Mediating effects of shopping orientations and moderating effects of gender on relationships between personal factors and repatronage behavioural intention* (doctorate's thesis). Universiti Putra Malaysia.
- Wong, K.K. (2016). Technical note: Mediation analysis, categorical moderation analysis, and higher-order constructs modeling (PLS-SEM): A b@b example using smartpls. *The Marketing Bulletin*, 26, 1-22.
- Worth, N. (2017). Entitled consumers need your empathy. Retrieved from: <https://www.mediapost.com/publications/article/291680/entitled-consumers-need-your-empathy.html>
- Wu, A.D. and Zumbo, B.D. (2008). Understanding and using mediators and moderators. *Social Indicators Research*, 86, 367-392.
- Wu, L. (2011). Inertia: Spurious loyalty or action loyalty? *Asia Pacific Management Review*, 16(1), 31-50.
- Xiang, Z., Wang, D., O'Leary, J.T.O., and Fesenmaier, D.R. (2014). Adapting to the internet: Trends in travelers' use of the web for trip Planning. *Journal of Travel Research*, 54(4), 511-527.
- Xie, K, L. and Chen, C.C. (2014). Hotel loyalty programs: How valuable is valuable enough?. *International Journal of Contemporary Hospitality Management*, 26(1), 107-129.

- Xu, Y., Goedegebuure, R., and Van der Heijden, B. (2007). Customer perception, customer satisfaction, and customer loyalty within Chinese securities business: Towards a mediation model for predicting customer behaviour. *Journal of Relationship Marketing*, 5(4), 79-104.
- Yalabik, Z.Y., Rossenberg, Y., Kinnie, N., and Swart, J. (2014). Engaged and committed? The relationship between work engagement and commitment in professional service firm. *The International Journal of Human Resource Management*, 26(12), 1602-1621.
- Yang, F.X. and Lau, V.M.C. (2015). Luxury hotel loyalty: A comparison of chinese gen x and y tourist to Macau. *International Journal of Contemporary Hospitality Management*, 27(7), 1685-1706.
- Yener, D. (2014). The effect of religiosity on product involvement in a Muslim society. Retrieved from: http://isarder.org/isardercom/2014vol6issue1/vol.6_issue.1_article05.full.text.pdf
- Yilmaz, R.A. and Özkoçak, Ö.G.L. (2010). *Perception of social media in the generations x, y and baby boomers*. Paper presented at: Indonesia International Conference on Communication (IICC), Jakarta, Indonesia, 22-23 November 2010. Retrieved from: http://www.ktu.edu.tr/dosyalar/iletisi/marastirmalari_50abd.pdf
- Yoo, M. and Bai, B. (2012). Customer loyalty marketing research: A comparative approach between hospitality and business journals. *International Journal of Hospitality Management*, 3(1), 166-177.
- Yoon, Y. and Uysal, M. (2005). An examination of the effects of motivation and satisfaction on destination loyalty: A structural model. *Tourism Management*, 26(1), 45-56.
- Zaichkowsky, J.L. (1985). Measuring the involvement construct. *Journal of Consumer Research*, 12(3), 341-352.
- Zaichkowsky, J.L. (1986). Conceptualizing involvement. *Journal of Advertising*, 15(2), 4-14.
- Zaichkowsky, J.L. (1994). Research notes: The personal involvement inventory: Reduction, revision, and application to advertising. *Journal of Advertising*, 23(4), 59-70.
- Zakaria, I., Rahman, B.A., Othman, A.K., Yunus, N.A.M., Dzulkipli, M.R., and Osman, M.A.F. (2014). The relationship between loyalty program, customer satisfaction and customer loyalty in retail industry: A case study. *Procedia-Social and Behavioral Sciences*, 129, 23-30.

- Zakersalehi, M. and Zakersalehi, A. (2012). Attitude and purchasing intention of Malaysian consumers toward green packaged foods. *International Journal of Trade, Economics and Finance*, 3(1), 46-51.
- Zaw, A.T. and Chaipoopirutana, S. (2014). *Factors affecting customer loyalty of Toyota cars' owners in Yangon, Myanmar*. Paper presented at International Conference on Business, Law and Corporate Social Responsibility, Phuket, Thailand.
- Zemke, R., Raines, C., and Filipczak, B. (2000). *Generations at Work: Managing the Clash of Veterans, Boomers, Xers and Nexters in your Workplace*. New York: AMACOM.
- Zeng, B. and Gerritsen, R. (2014). What do we know about social media in tourism? A review. *Tourism Management Perspectives*, 10, 27-36.
- Zhang, Y. (2015). The impact of brand image on consumer behaviour: A literature review. *Open Journal of Business and Management*, 3, 58-62.
- Zhao, X., Lynch, J.G., and Chen, Q. (2010). Reconsidering baron and kenny: Myths and truths about mediation analysis. *Journal of Consumer Research*, 37(2), 197-206.
- Zheng, X., Cheung, C.M.K., Lee, M.K.O., and Liang, L. (2015). Building brand loyalty through user engagement in online brand communities in social networking sites. *Information Technology & People*, 28(1), 90-106.
- Zikmund, W.G. (2003). *Business research methods*, 7th ed., Kentucky: Thomson South Western.
- Zimmerman, S., Park, N.S., and Wetherby, M.M. (2003). Social engagement and its relationship to service provision in residential care and assisted living. *Social Work Research*, 27(1), 6-18.