# ONLINE BRAND ATTRIBUTES AND CUSTOMER LOYALTY INTENTION

## JOSEPHINE LIEW MEI CHING



SCHOOL OF BUSINESS AND ECONOMICS
UNIVERSITY MALAYSIA SABAH
2011

# ONLINE BRAND ATTRIBUTES AND CUSTOMER LOYALTY INTENTION

# **JOSEPHINE LIEW MEI CHING**

DISSERTATION SUBMITTED IN FULFILLMENT
OF THE REQUIREMENTS FOR THE DEGREE OF
MASTER OF BUSINESS ADMINISTRATION

SCHOOL OF BUSINESS AND ECONOMICS
UNIVERSITY MALAYSIA SABAH
2011

#### **UNIVERSITI MALAYSIA SABAH**

#### **BORANG PENGESAHAN STATUS DISERTASI**

JUDUL : ONLINE BRAND ATTRIBUTES AND CUSTOMER LOYALTY

**INTENTION** 

IJAZAH : SARJANA PENTADBIRAN PERNIAGAAN

SESI PENGAJIAN: 2008-2011

Saya, JOSEPHINE LIEW MEI CHING mengaku membenarkan disertasi sarjana ini disimpan di Perpustakaan Universiti Malaysia Sabah dengan syarat-syarat kegunaan berikut:

1. Disertasi adalah hak milik Universiti Malaysia Sabah

2. Perpustakaan Universiti Malaysia Sabah dibenarkan membuat salinan untuk tujuan pengajian sahaja.

3. Perpustakaan dibenarkan membuat salinan disertasi ini sebagai bahan pertukaran Institusi pengajian Tinggi.

4. Tidak Terhad.

Disahkan Oleh;

Penulis: JOSEPHINE LIEW MEI

CHING Alamat:

TANDATANGAN PUSTAKAWAN

Tarikh: 17 OGOS 2011

Peyelia: Dr. Jennifer Chan Kim Lian
Prof. Madya Dr. Jennifer Chan Kim Lian
Timbalan Pengarah
Pusat Perkembangan Akademik
Universiti Malaysia Sabah

# ERPUSTAKAAN

#### **DECLARATION**

The materials in this dissertation are original except for quotations, excerpts, summaries and reference which have been duly acknowledged.

17 AUGUST 2011

JOSEPHINE LIEW MEI CHING Matrix No: PE 2007-8595



#### CERTIFICATION

NAME : JOSEPHINE LIEW MEI CHING

MATRIC NO : **PE20078595** 

TITLE : ONLINE BRAND ATTRIBUTES AND CUSTOMER LOYALTY

**INTENTION** 

DEGREE : MASTER OF BUSINESS ADMINISTRATION

VIVA DATE : 11 JULY 2011

#### **DECLARED BY**

Signature

Prof. Madya Dr. Jennifer Chan Kim Lian Imbelan Pengerah Pusat Perkembangan Akademik Universiti Malaysia Sabah

1. SUPERVISOR

Assoc. Prof. Dr. Jennifer Chan Kim Lian

#### **ACKNOWLEDGEMENTS**

The completion of this study made possible by the assistance, cooperation, ideas and input of various individuals. First of all, I would like to thank God for granting me the spiritual guidance, strength, perseverance, supports and will to complete this study. I'm very grateful to my husband and my family member for their constant support, understanding and patience.

Secondly, my gratitude and appreciation also goes to my supervisor, Associate Professor Dr. Jennifer Chan Kim Lian, who guided me through this research. Special thanks to all my MBA course mate and those who have participated in this research. Your valued contribution is greatly appreciated.



#### **ABSTRAK**

Peyelidikan ini bertujuan untuk menentukan pengaruh atribut jenama Online Ke atas niat kesetiaan pelanggan di antara syarikat-syarikat minyak di Sabah. 100 sampel pelanggan telah dikenalpasti untuk kajian ini namum hanya 90 soalan kajiselidik yang dapat dikutip dan hanya 84 yang boleh digunapakai untuk tujuan analisis. 100 respon yang diperolehi tersebut dianalisis dengan menggunakan analisi regresi. Sememangnya menunjukkan bahawa terdapat hubungan yang signifikan antara atribut jenama online ke atas niat kesetiaan pelanggan. Antara pembolehubah yang mempunyai hubungan signifikan adalah personalisasi dan kebolehpercayaan. Peyelidikan ini menyokong konseptualisasi yang menyatakan bahawa kebolehpercayaan merupakan attribute jenama online yang penting ke atas niat kesetian pelanggan. Selain daripada itu, personalisasi dapat menggalakkan pengguna menentukan keutaman/kelebihan yang mereka kehendaki.Peyelidikan ini juga dapat membantu organisasi untuk mengenalpasti dan memahami atribut jenama online dan signifikasinya terhadap niat kesetiaan pelanggan. Ia juga dapat membantu pengurusan dalam strategi jenamaan. Namum demikian, terdapat limitasi dalam peyelidikan ini, antaranya adalah terdapat kesukaran dalam mendekati sejumlah pengguna disebabkan lokasi yang berjauhan.Oleh itu, komunikasi diantara peyelidik hanya dapat dilaksanakan melalui emel. Selain itu, saiz sampel yang dikenalpasti adalah kecil dan sukar untuk membuat kesimpulan.

#### ABSTRACT

#### ONLINE BRAND ATTRIBUTES AND CUSTOMER LOYALTY INTENTION

The purpose of this study was to determine the influence of online brand attributes on customers loyalty intention among oil and gas industry in Sabah. A sample of 100 customers had been targeted; however only 90 questionnaires managed to be collected and 84 usable (completed questionnaires) were analyzed. The response of 100 questionnaire were analyzed using regression revealed that the variances of online attributes have significant effect to customer loyalty intention. Among all the independent variables, two variables (Personalization and Reliability) showed significant influence on customer loyalty intention. This study strongly support the conceptualization of reliability as an important online attribute in building customer loyalty intention. Besides that, personalization has the advantages of encouraging preferences through empowering users to define what they want. This research also will assist organization to identity and understand the online brand attributes and their significance that may influence the customer loyalty intention and the better the management will be able to develop the branding strategy. However, there is a limitation of access to large internet users due to distance. Thus, the communication between the researcher and respondent had to be dependent via email. Besides, the sampling and sample size is relatively small and limits to generalize.

# TABLE OF CONTENTS

		Pages
TITLE		17.4
DECLARATI	ION	ii
CERTIFICA	TION	iii
ACKNOWLE	EDGEMENTS	iv
ABSTRAK		V
ABSTRACT		vi
TABLE OF C	CONTENTS	vii -xi
LITS OF TA	BLES	xii-xiii
LIST OF FIG	GURES	xiv
LIST OF AP	PENDICES	xi
CHAPTER 1	: INTRODUCTION	
1.1	Introduction /	1
1.1.1	Overview UNIVERSITI MAL	AYSIA SABAH 1-2
1.2	Problem Statement	2-3
1.3	Research Objectives	4
1.4	Scope of Study	4
1.5	Significant of Study	5-6
1.6	Summary	6
CHAPTER 2	: LITERATURE REVIEW	
2.1	Introduction	7
2.2	Definition of Concept	
	2.2.1 Online Branding	7-10
	2.2.2 Online Brand Attribute	10-12

	a. Ease of Use	12-13
	b. Security	14
	c. Personalization	14-16
	d. Customer Care	16-17
	e. Reliability	17-19
	f. Online Community	19
2.3	Customer Loyalty Intention	20-21
		- 10
HAPTER	3 : RESEARCH METHODOLOGY	
3.1	Introduction	22
3.2	Research Design	22
3.3	Research Framework	22-23
3.4	Definition of key terms in this study	
	3.4.1 Online Branding	24
	3.4.2 Ease of Use	24
	3.4.3 Security	24
	3.4.4 Personalization	24
	3.4.5 Customer Care VERSITI MALAYSIA	SABAH 25
	3.4.6 Reliability	25
	3.4.7 Online Community	25
	3.4.8 Customer Loyalty Intention	25
3.5	Research Hypotheses	26
	3.5.1 Relationship of Ease of Use and	
	Customer Loyalty Intention	27
	3.5.2 Relationship of Security and	
	Customer Loyalty Intention	27-28
	3.5.3 Relationship of Personalization and	
	Customer Loyalty Intention	28
	3.5.4 Relationship Customer Care and	

		3.5.5 Relationship of Reliability and	
		Customer Loyalty Intention	29-30
		3.5.6 Relationship of Online Community and	
		Customer Loyalty Intention	30
	3.6	Research Design	31
	3.7	Research Sample	31
	3.8	Instruments Design	
		3.8.1 Organizational of Questionnaire	32
		3.8.2 Section of Independence and Dependence	
		Variables	32-33
	3.9	Data Collection Method	33
	3.10	Data Analysis	33-38
	3.11	Summary	38
CHAP	TER 4 :	RESULT	
	4.1	Introduction	39
	4.2	Data Analysis UNIVERSITI MALAYSIA SABAH	39
	4.3	Profile of Respondent	39-41
	4.4	Factor Analysis	42
		4.4.1 KMO & Factor Loading for Independent	
		Variable	42-44
		4.4.2 KMO & Factor Loading for Dependent	44
		Variable	
		4.4.3 Revised Framework and Hypothesis	45-46
		4.4.4 Revised Hypotheses	47
	4.5	Reliability of Measures	47-48
	4.6	Descriptive Statistic	48-49
	4.7	Correlation Analysis	50
	4.8	Hypotheses Testing	51

Customer Loyalty Intention

29

	4.8.1 Hypotheses Testing on Independence Variables	52-54
4.9	ANOVA Analysis	55
	4.9.1 Two- Way ANOVA Analysis	55
	4.9.2 Research Objective	56
	4.9.3 Hypotheses using ANOVA Analysis	56
	4.9.4 ANOVA Result	57-60
	4.9.5 Summary of finding for Hypotheses 5	61
4.10	Summary of Overall Findings	62
4.11	Summary	63

# **CHAPTER 5: DISCUSSION AND CONCLUSION**

5.1	Introduction	64
5.2	Recapitulation of the Study	64
	5.2.1 Factor Analysis	65
	5.2.2 Reliability Analysis	65
	5.2.3 Descriptive Analysis	65
	5.2.4 Correlation Analysis	66
	5.2.5 Multiple Regression Analysis	66
	5.2.6 Two Way ANOVA Analysis	66
5.3	Implication and Discussion	68
	5.3.1 Implication	67
	5.3.2 Discussion	
	a. Relationship of Ease of Use and	
	Customer Loyalty Intention	68
	b. Relationship of Personalization and	
	Customer Loyalty Intention	68-69
	c. Relationship of Reliability and	
	Customer Loyalty Intention	69
	d. Relationship of Online Community and	
	Customer Loyalty Intention	70

	5.3.3 The different perception among the	
	online brand users on ease of use, personalization,	
	reliability and online community	70-71
5.4	Recommendation	71-72
5.5	Limitation of the study	73
5.6	Suggestions for Future Research	73
5.7	Conclusion	74
REFERENCES		75-80
APPENDICES		81-105



# LIST OF TABLES

		Pages
Table 3.1:	Likert Scale Response on Dependent and Independent variable	34
Table 3.2:	Factor Analysis for Independent variable (Pilot Study)	36
Table 3.3:	KMO & Factor Loading for Independent variable (Pilot Study)	36
Table 3.4:	Reliability Analysis for (Pilot Study)	37
Table 3.5:	Correlation Analysis for (Pilot Study)	37
Table 3.6:	Regression Analysis for (Pilot Study)	38
Table 3.7:	Summarized of Statistic Method	39
Table 4.1:	Profile of Respondents (N=100)	41-42
Table 4.2	KMO & Factor Loading for Independent Variable	43
Table 4.3	Rotated Factor Matrix for Independent Variable	44
Table 4.4	KMO & Factor Loading for Dependent Variable	45
Table 4.5	Total variance explained	45
Table 4.6	Result of Factor Analysis for Dependent Variable	46
Table 4.7	Reliability Statistic	48

Table 4.8	Cronbach's Alpha for variables	49
Table 4.9	Descriptive Statistic for Variables	50
Table 4.10	Correlation Analysis	51
Table 4.11	Multiple regression Analysis results of Independent variables	52-55
Table 4.12	ANOVA Analysis	56-57
Table 4.13	ANOVA Test on Ease of Use	58
Table 4.14	ANOVA Test on Personalization	59
Table 4.15	ANOVA Test on Reliability	60
Table 4.16	ANOVA Test on Online Community	61
Table 4.17	Summary of Finding Hypotheses 5	62
Table 4.18	Summary Overall Finding	63

# LIST OF FIGURES

	Pages
Figures 1.0: Understanding the nature of brand	9
Figures 3.1: Theoretical Framework	24
Figures 4.4.1 Revised Research Framework	47



#### LIST OF APPENDICES

		Pages
Appendices A:	Questionnaire	83-87
Appendices B:	Factor Analysis Output	88-91
Appendices C:	Reliability Analysis Output	92
Appendices D:	Correlation Analysis Output	93
Appendices E:	Descriptive Statistic	94
Appendices F:	Frequency Demographic –Respondent Profile	95-96
Appendices G:	Regression Analysis	97-102
Appendices H:	Graph/ Histrogram/Pie chart of Respondent profile	103-106

#### **CHAPTER 1**

#### **INTRODUCTION**

#### 1.1 Introduction

This chapter discussed an overview of this research study on online brand attributes and customer loyalty intention. This chapter identified the problem statement, research objectives, scope and significance of the study.

#### 1.11 Overview

According to Song and Zinkhan (2008) the media landscape has changed considerably since the development of the internet and online brand have become an important tool for advertisers. Christodoulies and Leslie de Chernatony (2004) stressed that today brand is growing both online and offline. Matti Mantymaki (2009) explained that the number of hours spent in second life per quarter since 2006 has risen constantly and reaching 112 million hours in Q4 2008. Moreover, the users of second Life spent more than 100 million on virtual goods and services during Q4 2008.

Ward and Lee (2000) argued that brand become an important tool because they save customer time by reducing their search cost. As a result, Bhattacherjee (2001b); Gefen (2002); Reichheld et al. (2000) claimed that online brand managed to attract and retain existing customers or users. Based on Churchill & Suprenant (1982); Liver (1997); Oliver (1999) research, maintaining customer loyalty has been discussed voluminously in consumer behavior literature and the important of customer loyalty also been discussed in field of e-commerce Anderson & Srinivasan (2003);

Bhattacherjee (2001a); Chiang & Chen (2008); Cyr et al. (2007). However, studies focusing particularly on customer loyalty in online brand attributes have thus far been relatively scared.

On the other hand, Mundrof and Bryant (2002) explained that business to consumer online shopping gained considerable appeal during the past few years. According to Hoffman et al., (1996), the internet provides an efficient channel for advertising, marketing, selling, and direct distribution of goods and services and as support channel for customer feedback. Bednash and Simon (1995); Forcht and Wex (1996); Herbigand Hale (1997); Thomas (1998) argued that due to the unique of features offered by internet, it could replace the traditional media in decade. Ind and Riondino (2001) asserted that this might change the way in which branding and brand management are conducted.

#### 1.2 Problem Statement

According to Ind and Riondino (2001); Philips (2001); Lindstrom (2001); Merrilees and Fry (2002) and Stuart and Jones (2004), much has been written by past researcher on the impact of the internet revolution on corporate brands and Merrilees and Fry (2002) argued that there is still lack of solid evidence on what drives value online. Claycomb (1997) asserted that this understanding is vital to organization because favorable brand image of company may influence consumer patronage and decision making while unfavorable images adversely influence such decision and behaviors.

Branding has emerged as a top management priority and become one of the most intangible assets that firms have. Past academics researchers have explored a number different brand related topic during the past few years. Important topics such as brand positioning, brand integration, brand equity management, brand growth and brand management.

Flores (2004); Christodoulides and de Chernatony (2004); Dou and Krishamurthy (2007); Holland and Baker (2001), asserted that online brand provide various functionalities. Consumers can read product or brand information, watch TV commercial, customize virtual products, download music, chat with other visitors, or have direct dialogue with the organization behind the brand. Online brand provide brand with a platform to foster relationship with potential and actual customers, based on continue dialogue.

Gould and Silberzahn (1996) argued that it's difficult in getting customer to shop online and it is estimated that businesses worldwide lost approximately \$ 6.1 billion due to failed purchase attempts. Clauser (2001) explained that one possible reason why consumers may not be using and buying online is due to lack of company understanding of what constitute customer to have loyalty intention in the online context. Thus, in order to provide a better understanding to the practitioner, this study aims to examine which aspects of online brand attribute should be emphasized in online branding in order to achieve a Customer loyalty Intention.

Perhaps a better understanding of what aspect are important online may help a company to recognize whether the current online brand attributes delivered are in fact consistent and effective in relation to customer loyalty intention. Furthermore, in term of practical contribution, it provides strategic direction and positioning the corporate brand in an online context.

#### 1.3 Research Objectives

The objectives of this study are:-

- 1) To identify key online brand attributes that affect customer loyalty intention of Petronas, Shell and Esso.
- 2) To examine the relationship between brand attributes (ease of use, security, personalization, customer care, reliability and online community) and customer loyalty intention.
- 3) To observe the significant perceptions on ease of use, security, personalization, customer care, reliability, online community and customer loyalty intention variables among the brand users of three majors Oil and Gas brand in Sabah namely Petronas, Shell and Esso.

## 1.4 Scope Of Study

The research aims to identify the key online brand attributes that affect customer loyalty intention and to examine the relationship between independent variables (online brand attribute) and dependent variable (customer loyalty intention). This study focused on three majors Oil and Gas brand in Sabah namely Petronas, Shell and Esso.

### 1.5 Significant of Study

According to Moring and Kristensen (2001), the fast innovation, increased service levels and diminishing brand loyalty characterizing today's marketplaces have led to corporate branding becoming a strategic marketing tool. Olines (1995) explained that organizations must decide whether to build the product brands or corporate identity.

Stuart and Jones (2004); de Chernatony and Chrisoudolides (2004) explained that a clear understanding of the customers is crucial. Therefore, this study would provide a basis of understanding what causes individual to perceive customer loyalty intention. Therefore, the significance of this research is to assist organization to identity and understand the online brand attributes and their significance that may influence the customer loyalty intention and the better the management will be able to develop the branding strategy.

Besides, the input on different perception between each online brand attributes are also significant to the management, in term of indentifying the key contributors for the influence. From the finding, management could plan a different approach for each indentified online brand attributes that has significant relationship with customer loyalty intention.

This research also will assist organization to plan their branding strategy especially on capitalizing the online brand attribute to maximize income for the organization. In other hand, the inception of online branding has been pushed to show value. With the advance in technology, many innovative ideas have shown tremendous improvements in the promotion and advertising areas. Therefore, this study can bring about significant value to the organization in applying modern technology and advancement through online branding.

This study also would facilitate the upper management on the influential factors that could improve customer loyalty intention in the context of online brand attributes. Lastly, this study would also be able to provide input for the literature review that can be explored and studied by future references.

#### 1.6 Summary

Chapter 1 discussed an overview introduction of the background of the study. This chapter identified the problem statement, construct problem statement, objectives, scope and significance of the study.



#### **CHAPTER 2**

#### LITERATURE REVIEW

#### 2.1 Introduction

This chapter outlines reviews from previous research studies on online brand attributes and customer loyalty intention. The literature review in this study will discuss on online brand attributes as an independent variable and customer loyalty intention as dependent variables. Each variable was conceptualized for its definition based on the related previous literature reviews.

#### 2.2 Definition of Concept

#### 2.2.1 Online Branding

Olins (1996) clarified that the word brand has altered in meaning in the last 10 years. Traditionally, the brand was part of "identity", which the organization presents itself through experiences and perceptions to all of its audiences. Besides, it may be thought of as the methods in which the organization communicates, symbolizes and differentiates itself to all its audiences.

Ibeh et al., (2005); Merisavo and Raulas; (2004); Murphy et al., (2003); Simmons (2007) defined online branding more generally (e-branding, digital branding, internet branding, or i-branding as it has variously been labeled) as "a brand that has an online presence". Chaffey (2008) defined online branding as how online channels are used to support brands, which in essence are the sum of characteristics of products, services or organization as perceived and experienced by a user, customer or other stakeholder.