Employee-based Brand Equity

Ву

Tanya Supornpraditchai

DISSERTATION

Submitted in partial fulfilment of the requirements for the Degree of Doctor of Philosophy in Marketing

The University Technology, Sydney, 2010

CERTIFICATE OF AUTHORSHIP/ORIGINALITY

I certify that the work in this thesis has not previously been submitted for a degree nor

has it been submitted as part of requirements for a degree except as fully acknowledged

within the text.

I also certify that the thesis has been written by me. Any help that I have received in my

research work and the preparation of the thesis itself has been acknowledged. In

addition, I certify that all information sources and literature used are indicated in the

thesis.

Production Note: Signature removed prior to publication.

Tanya Supornpraditchai

ii

To my parents who always give me	e love and inspiration, and to the memory	of my
20 m.j parente vino arvaje grie mi	aunt Usa	01 mj

Acknowledgements

I am grateful for the advice and encouragement from my supervisors to complete this thesis. Without their support, this thesis would not exist. I cannot thank my primary supervisor enough for his patient guidance, support, and confidence in me. Professor Kenneth E. Miller gave me invaluable feedback despite his busy schedule. I have been fortunate to have the opportunity to gain from his great experience as a researcher and a member of the academic community. I will be forever grateful for his commitment to helping me complete this thesis.

Assoc. Prof. Ian Lings, my co-supervisor, deserves my heartfelt thanks. I appreciate his advice more than I can say. He always made time for me and supported me through some of the toughest moments in my study life. He has set an incomparable example as an academic which I can only aspire to follow one day. He has been a role model for me in many ways.

Special thanks to Dr. Brian Jonmundsson for his valuable advice and support with this thesis.

I also would like to take this opportunity to express my appreciation to the School of Marketing and my colleagues for their personal encouragement and friendships. Sharing their research experiences with me motivated me to work harder on my own thesis.

Last of all, I would like to express my deepest appreciation to my family and friends for

their emotional support and encouragement throughout my study in Australia. Without

their support, I would not have been able to continue in my educational pursuits and

make my dreams come true.

Sydney, January 2010

Tanya Supornpraditchai

V

Table of Contents

Decl	laration	ii
Acki	nowledgements	iv
Pub	lications from Thesis Related Research	xii
List	of Acronyms	xii
List	of Figures	xi
List	of Tables	xv
Abst	ract	xviii
Cha	pter 1: Introduction	1
1.1	Introduction	1
1.2	Why is the Brand Equity Aimed at Company's Employees is Important for	
	Company Brand Success?	4
1.3	Employee-Based Brand Equity (EBBE)	5
1.4	Research Question	6
1.5	Research Issues	7
1.6	Contribution	10
1.7	Chapter Organisation	10
1.8	Delimitations	12
1.9	Definitions	13
1.10	Chapter Summary	15
Cha	pter 2: Literature Review	16
2.1	Introduction	16
2.2	Why is company brands are increasingly important?	16
2.3	Internal Branding Concept in the Marketing Field and Employer Branding	
	Concept in the HR field: What do they have in Common?	19
2.4	Why Brand Equity is used to measure the degree of individual employees'	
	perception of company brand	26

2.5	Emp	ployee-Based Brand Equity (EBBE)	28
2.6	The	Importance of Understanding EBBE	29
2.7	Cus	tomer-based brand equity (CBBE)	32
2.8	Inte	grated Approach of CBBE	44
2.9	App	lication of CBBE to EBBE	45
2.10	Orga	anisational Commitment and Brand Commitment	49
	Con	npliance or Perceived Brand Value	52
	Inte	rnalisation, Perceived Brand Fit, and Person-Organisation Fit	55
	Orga	anisational Identification	57
2.11	Orga	anisational Behaviour (the Outcomes of EBBE)	61
	Cus	tomer-orientation	61
	Emp	ployee's Willingness to Stay with the Company	63
2.12	Cha	pter Summary	64
Chap	oter 3	:Construct and Model Development	66
3.1	Intro	duction	66
3.2	Prop	osed Framework and Model	67
3.3	Defi	nitions	69
3.4	The	Construct Development_	71
3.	4.1	The Favourability and Uniqueness of Brand Associations Constructs	72
3.	4.2	The Construct of Brand Consistency and Brand Consistency between	
		Outside and Within Organisation	75
3.	4.3	The Construct of Brand Credibility	76
3.	4.4	The Construct of Brand Clarity	78
3.	4.5	The Construct of Perceive Value	79
3.	4.6	The Construct of Person-organisation Fit	81
3.	4.7	The Construct of Organisational Identification	82
3.	4.8	The Construct of Customer-orientation_	82
3.	4.9	The Construct of Employee Retention	84
3.5	Rese	arch Hypotheses	86
3.6	Chap	ter Summary	91
Chan	iter 1	:Research Methodology	92
		duction	92

4.2	Sam	pling Issues		93
	4.2.1	Choice of Res	pondents	94
2	1.2.2	Selection of the	e Sample	94
4.3	Data	Collection Prod	cedure	96
2	1.3.1	Literature Sear	ch	98
2	1.3.2	Questionnaire	Development	98
		4.3.2.1 Sta	ge One: Items Generation	99
		Measu	ring EBBE	101
		1).	Favourability of Brand Associations	102
		2).	Uniqueness of Brand Associations	103
		3).	Brand Consistency	103
		4).	Brand Consistency between Outside and Within	
			Organisation	104
		5).	Brand Credibility	106
		6).	Brand Clarity	108
		Measu	ring Brand Commitment	109
		1).	Perceived Value	109
		2).	Person-organisation Fit	110
		3).	Identification with Organisation	111
		Measur	ring Employee Behaviour (Outcome of EBBE)	112
		1).	Employee Retention_	112
		2).	Customer Orientation_	114
		4.3.2.2 Sta	ge Two: Expert Advice	115
		4.3.2.3 Sta	ge Three: Forward-backward Translation	115
		4.3.2.4 Sta	ge Four: Pilot Study	116
		4.3.2.5 Sta	ge Five: Protocol	117
		4.3.2.6 Stag	ge Six: Quantitative Field Survey	118
4	1.3.3	Administration	of Survey Instrument	119
		Note: Ethical C	onsiderations	120
4.4	Data	Cleaning Metho	ods	121
4	.4.1	Non-response E	Bias	121
4	.4.2	Replacement of	Missing Data	122
4	.4.3	Test of Normali	ity	122
4.5	Data	Analysis Strate	gy	123

Step	1: Test of Sphericity and Measure of Sampling Adequacy	124
Step	2: Reliability Tests	126
Step	3: Construct Validity Tests	127
Step	4: Convergent Validity	128
Step	5: Discriminant Validity	128
Step	6: Face Validity	131
Step	7: Measurement Model Analysis	132
Step	8: Structural Model Estimation Analysis	132
4.6 C	Confirmatory Factor Analysis	133
	Overall Absolute Fit Measures	134
	Incremental Fit Measures	134
4.7 C	Chapter Summary	135
Chapte	er 5: Results	136
	troduction	
5.2 Pi	lot Study	137
5.3 M	ain Survey: Sample Statistics and Descriptive Information	138
5.3.	1 Response Information	138
5.3.2	2 Characteristics of Respondent	139
5.4 Da	ata Cleaning	140
5.4.	1 Handling of Non-response Bias	141
5.4.2	2 Replacement of Missing Data	141
5.4.3	3 Test of Normality	142
5.5 Re	eliability, Unidimensionality, Convergent Validity and Discriminan	t Validity
		142
5.5.		
4	5.5.1.1 The EBBE Measurement Model	143
4	5.5.1.2 The Brand Commitment Measurement Model	145
4	5.5.1.3 The Employee Behaviour Measurement Model	146
5.5.2	2 Convergent Validity	147
5.5.3	3 Discriminant Validity	148
5.6 C	onfirmatory Factor Analysis	148
5.6.1	The Favourability of Brand Associations	148
5.6.2	2 The Uniqueness of Brand Associations	149

	5.6.3	Brand Consistency	150
	5.6.4	Brand Consistency between Outside and Within Organisation	151
	5.6.5	Brand Credibility	153
	5.6.6	Brand Clarity	154
	5.5.7	Perceived Value	157
	5.5.8	Person-organisation Fit_	157
	5.5.9	Identification with organisation	158
	5.5.	10 Customer-orientation	159
	5.5.	11 Retention	159
5.7	Eva	luation of the Full Measurement Models	161
5.8	Eva	luation of the Full Structure Model	166
	5.8.1	The Chi-square Test Statistics	166
	5.8.2	Noncentrality-based Indices	167
	5.8.3	Overall Absolute Fit Measures	168
	5.8.4	Relative Fit Indices	168
5.9	Нуро	othesis Testing	171
5.1	0 Chap	oter Summary	175
Ch	apter	6: Research Discussion and Conclusion	177
6.1	Intro	duction	177
6.2	Sum	mary of the Chapters	177
6.3	Sum	mary of the Research Findings	179
6.4	Disc	ussion and Hypotheses Testing	193
6.5	Res	search Discussion	200
	6.5.1	Implications of the Role of EBBE in Structural Model	200
	6.5.2	Implications of the Role of EBBE and Brand Commitment in Structural	
		Model	201
d	6.5.3	Implications of the Role of Brand Commitment and Employee Behaviou	r
		in Structural Model	201
6.6	Cont	ributions of Research Findings	203
	6.6.1	Theoretical Contributions	203
	6.6.2	Methodological Contributions	206
	6.6.3	Contributions to Company Branding Practice	207
6.7	Limi	tations	209

6.8	Future Research	210
6.9	Conclusion	212
Ref	erence	213
App	endix A: Questionnaire (English version)	235
App	endix B: Questionnaire (Thai version)	240
App	endix C: Institutional Consent Form	245
App	endix D: Results	246
App	endix E: Results of CFA	261

Publications from Thesis Related Research

Refereed Conference Papers:

Supornpraditchai, T., Lings, I.N. & Jonmundsson, B. 2006, 'Employee-Based Brand Equity', paper presented to the *UTCC International Conference in Business 2006: Revolution for the New Era Competition*, Bangkok, Thailand.

Supornpraditchai, T., Miller, K.E., Lings, I.N. & Jonmundsson, B. 2007, 'Employee-Based Brand Equity: Antecedents and Consequences', paper presented to the *ANZMAC Conference 2007*, Department of Marketing, University of Otago.

List of Acronyms

HR Human Resource

HRM Human Resource Management

CBBE Customer-based Brand Equity

EBBE Employee-based Brand Equity

BCB Brand Citizenship Behaviour

OCB Organisational Citizenship Behaviour

POF Person-organisation Fit

CO Customer Orientation

SOCO Selling Orientation-Customer Orientation

List of Figures

		Page
Figure 2.1	Employer Branding Framework	22
Figure2.2	Benefit Outcomes of Company Branding from Marketing and H	IR
	Perspective	25
Figure2.3	Han's (2005) Five Dimension of EBBE	29
Figure2.4	Associative Network Model	34
Figure2.5	Keller's (1993) Dimensions of Brand Knowledge	37
Figure2.6	Erdem and Swait's (1998) CBBE Framework	41
Figure2.7	Sweeney and Swait's (1999) CBBE model	45
Figure2.8	Relationships between the Constructs of Organisational Citizens	ship
	Behaviour and Brand Citizenship Behaviour	52
Figure3.1	Proposed EBBE Model and its Outcome	68
Figure 3.2	Hypothesised Relationships between the Constructs in the Conc	eptual
	Model	91
Figure4.1	Research Process	97
Figure4.2	Three Main Segments in the Theoretical Model	100
Figure5.1	Unidimentionality of Brand Credibility	155
Figure5.2	Unidimentionality of Brand Confidence	157
Figure5.3	Unidimentionality of Employee Retention	161
Figure5.4	CFA Model for all Constructs	166
Figure5.5	The Full Structural Model	171
Figure5.6	Path Hypotheses Testing	174
Figure6.1	Conceptual Model	183

List of Tables

		Page
Table 2.1	A Comparison of the two different approaches of CBBE	42
Table 3.1	Dimension of EBBE and its Outcome	85
Table 4.1	Research Questions and Research Hypotheses	93
Table 4.2	Measures of Favourability of Brand Associations	102
Table 4.3	Measures of Uniqueness of Brand Associations	103
Table 4.4	Measures of Brand Consistency	104
Table 4.5	Measures of Brand Consistency between Outside and Within	
	Organisation	106
Table 4.6	Measures of Brand Credibility	107
Table 4.7	Measures of Brand Clarity	108
Table 4.8	Measures of Perceived Value	109
Table 4.9	Measures of Person-organisation Fit	110
Table 4.10	Measures of Identification with Organisation	111
Table 4.11	Measures of Employee Retention	113
Table 4.12	Measures of Customer Orientation	114
Table 4.13	Test of Sphericity and Measure of Sampling Adequacy	125
Table 4.14	Discriminant Validity Test Using AVE and Correlation Methods.	130
Table 5.1	The Results of the Pilot Study	248
Table 5.2	Final Instrument for the Main Survey	250
Table 5.3	Respondent Characteristics	140
Table 5.4	Non-response Bias	251
Table 5.5	Test of Normality	253

List of Tables (continued)

		Page
Table 5.6	Factor Analysis of Items for the Main Survey	255
Table 5.7	EBBE Reliability Test Result	257
Table 5.8	Reliability Test Result of Brand confidence	259
Table 5.9	Brand Commitment Reliability Test Result	260
Table 5.10	Employee Behaviour Reliability Test Result	261
Table 5.11	Communalities	262
Table 5.12	Measures for the CFA Model of Favourability of Brand Association	ons
		149
Table 5.13	Measures for the CFA Model of Uniqueness of Brand Association	
		150
Table 5.14	Measures for the CFA Model of Brand consistency	151
Table 5.15	Measures for the CFA Model of Brand consistency between Outsi	ide
	and Within Organisation	152
Table 5.16	Measures for the CFA Model of Brand Clarity	155
Table 5.17	Measures for the CFA Model of Perceived Value	157
Table 5.18	Measures for the CFA Model of Person-organisation Fit	158
Table 5.19	Measures for the CFA Model of Identification with Organisation	158
Table 5.20	Measures for the CFA Model of Customer Orientation	159
Table 5.21	The Results of CFA for the Full Measurement Model	162
Table 5.22	The Results of Hypotheses Testing	177
Table 6.1	Summary of Hypotheses Testing	182

List of Tables (continued)

		Page
Table 6.2	Goodness of Fit Measures of Complete data, "High perceiv	ed value"
	Model and "Low perceived value" Model	196
Table 6.3	SEM Path Coefficients and t-values for "High perceived va	ılue" and
	"Low perceived value"	198

Abstract

This dissertation examines the importance of company branding strategy aimed at company employees. The focus of brand equity research to date has been to advance the knowledge and understanding of the relationship between the brand and the customer. However, brand equity can also affect a company's employees. This study proposes a theoretically structured approach to measure brand equity from the employee perspective, and its outcomes. This study incorporates theoretical customer-based brand equity (CBBE) approaches of information economics and cognitive psychology to develop and test the employee-based brand equity (EBBE) framework. The present study employed a conceptual framework which addresses the relationship between brand equity and employee. This approach allows the researcher and practitioner to explore the perception of the company brand from the individual employee perspective.

Driven by the recognition of a need for empirical validation, the present study was guided by the research question: What is the role of brand equity for the employee? The following interrelated sub-questions have been formulated: (1) How can employee-based brand equity be conceptualised and measured? (2) What are the outcomes of employer brand equity? In this study it is hypothesised that where employees perceive their employer brand to have high equity, they are more able to deliver the company's brand promise to customers and are more likely to stay longer with the company.

Using the literature review as the point of departure, a conceptual EBBE framework was developed. A six-step approach was applied to ensure the comprehension of the measures. Using structural equation modelling (SEM) as the data analysis method, all major fit indices indicate satisfactory results. The results support hypothesised relationships between constructs in the conceptual model. The findings in this research confirm the necessity of understanding EBBE, which can enhance employee's brand commitment such as perceived value, person-organisation fit and identification with organisation. The empirical results of this study demonstrate that EBBE has a significant and positive impact on employees' brand commitment. Moreover, this study confirms that brand commitment affects employee behaviour, such as customer-orientation and retention.