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THE MEDIATING EFFECT OF BRAND TRUST ON THE RELATIONSHIPS BETWEEN DIMENSIONS OF BRAND EQUITY AND PURCHASE INTENTION TOWARD SMARTPHONE



MASTER OF SCIENCES (MANAGEMENT) UNIVERSITI UTARA MALAYSIA DECEMBER 2017

THE MEDIATING EFFECT OF BRAND TRUST ON THE RELATIONSHIPS BETWEEN DIMENSIONS OF BRAND EQUITY AND PURCHASE INTENTION TOWARD SMARTPHONE



Thesis Submitted to Othman Yeop Abdullah Graduate School of Business, Universiti Utara Malaysia, in Partial Fulfilment of the Requirement for the Master of Sciences (Management)



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ABSTRACT

It has been stated that the technology of smartphone greatly affects the behavior of people and their attitude toward the purchase. However, there are lack of studies on the purchase intention of customer regarding smartphone usage among young adults has been reported by several researchers at particular in Malaysia. Thus, the current study investigates the relationships between brand equity dimensions namely, brand awareness, perceived quality, brand association and brand loyalty on behavior intention to purchase the smartphone brands. Moreover, this study also explores the mediation effect of brand trust on the relationship between brand equity elements and purchase intention towards smartphone brand in Malaysia. The main purpose of this study was to investigate the mediating effect of brand trust (BT) on the relationship between brand awareness (BAW), perceived quality (PQ), brand association (BAS), brand loyalty (BLO), and purchase intention (PI) of smartphone brands in Malaysia. The findings of the study showed evidence of the significant and positive relationship between PQ, BLO, and PI; while BAW and BAS have insignificant relationship. The results also presented that BAS, PQ, and BLO have positive effect on PI, while BAW has insignificant influence. The results further support the positive relationship between BT and PI. Interestingly, the findings of the research further show that BT mediates the relationship between BAS,BLO, and PI. This empirical study provided fruitful implications to marketers by making significant contributions to the brand management. It also contributes to new knowledge on the existing body of brand management literature by systematically exploring the influence BAW, PQ, BAS, BT, and BLO on PI of smartphone brands in Malaysia. Marketers should improve brand quality, and enhance awareness which may encourage customers to purchase the smartphone brand. Universiti Utara Malaysia

ABSTRAK

Telah dinyatakan bahawa teknologi telefon pintar sangat mempengaruhi tingkah laku seseorang dan sikap mereka terhadap pembelian. Walau bagaimanapun, terdapat kekurangan kajian mengenai niat pembelian pelanggan mengenai penggunaan telefon pintar di kalangan orang muda seperti yang telah dilaporkan oleh beberapa penyelidik khususnya di Malaysia. Oleh itu, kajian ini menyiasat hubungan di antara dimensi ekuiti jenama iaitu kesedaran jenama, persepsi kualiti, persatuan jenama dan kesetiaan jenama terhadap niat tingkah laku untuk membeli jenama telefon pintar. Selain itu, kajian ini juga meneroka kesan mediasi kepercayaan jenama terhadap hubungan antara elemen ekuiti jenama dan niat pembelian ke arah jenama telefon pintar di Malaysia. Tujuan utama kajian ini adalah untuk menyiasat kesan pengantara jenama amanah (BT) mengenai hubungan antara kesedaran jenama (BAW), persepsi kualiti (PQ), persatuan jenama (BAS), kesetiaan jenama (BLO), dan niat pembelian PI) jenama telefon pintar di Malaysia. Penemuan kajian menunjukkan bukti hubungan yang signifikan dan positif antara PQ, BLO, dan PI; manakala BAW dan BAS mempunyai hubungan yang tidak signifikan. Hasilnya juga menunjukkan bahawa BAS, PQ, dan BLO mempunyai kesan positif terhadap PI, sementara BAW mempunyai pengaruh yang tidak penting. Keputusan selanjutnya menyokong hubungan positif antara BT dan PI. Menariknya, penemuan kajian selanjutnya menunjukkan bahawa BT mengantara hubungan antara BAS, BLO, dan PI. Kajian empirikal ini memberikan implikasi yang membuahkan hasil kepada para pemasar dengan membuat sumbangan penting kepada pengurusan jenama. Ia juga menyumbang kepada pengetahuan baru mengenai kesusasteraan pengurusan jenama yang sedia ada dengan secara sistematik menerokai pengaruh BAW, PQ, BAS, BT, dan BLO pada PI jenama telefon pintar di Malaysia. Pemasar harus meningkatkan kualiti jenama, dan meningkatkan kesedaran yang boleh menggalakkan pelanggan membeli jenama telefon pintar.

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List of Abbreviation

BAW Brand Awareness
PQ Perceived Quality
BAS Brand Awareness
BLO Brand Loyalty
BT Brand Trust

PI Purchase Intention



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CHAPTER ONE

INTRODUCTION

1.1 Background of Study

The branding practice is an old as history. It can be traced back to time when craftsmen and artists tried to distinguish their products from those of others by way of marking or signing (Hakala, Svensson, & Vincze, 2012). With the increasing need to differentiate some products from others, the brand has now become one of the most powerful marketing tools used by several organizations all over the world. It has been argued that a brand adds effective dimensions to products or services. The addition of these effective dimensions are done through differentiation from other goods or services created to satisfy similar wants and needs of consumers (Hakala et al., 2012). The total value of the brand for the firm and which the brand shows in the customers' mind is considered to be as the brand equity (Keller, 1993).

A vast array of literature and studies have been carried out on brand equity. According to Peng, K. F & Wen,2014), in recent years the brand equity area has acknowledged significant research attention. Yet, very few empirical studies have paid attention to the correlation between how consumers respond and consumer based-brand equity (Buil, Martinez, & De Chernatony, 2013). Similarly, Leone, Keller, Luo, Mcalister, and Srivastava (2006) argue that contemporary marketing interest has been centered on brand equity and customer equity without commensurate research that tries to reconcile the relationship among the two thoughts. Still in the same vein, Broyles, Leingpibul. Ross, and Foster (2010) have observed that brand equity plays a major

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Appendix A

Research Questionnaire



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06010 UUM Sintok
Kedah Darul Aman, Malaysia

Tel: (+604) 928 3930 | Fax: (+604) 928 5220 Email: sbm@uum.edu.my

Dear Student,

I am a student of School of Business Management at the above-named university currently working on my research in partial fulfillment for the award of MSc Management title"The mediating effect of brand trust on the relationship between dimension of brand equity and purchase intention toward Smartphone". Thank you in advance for taking your valuable time to fill in this questionnaire. Please be assured that your responses will only be used for academic purpose. Hence, your identity will never be known throughout any part of the research process.

Thank you very much in anticipation of your responses.

Your sincerely,

Ibraheem Saleh MSc Management Candidate School of Business Management, UUM College of Business 06010 Sintok, Kedah, Malaysia

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Section A. Demographic Information Please put a tick mark $(\sqrt{})$ in front of the appropriate answer.

1.	Gender Male	
	Female	
2.	Level of education Foundation Undergraduates Postgraduates	
3.	Marital Status Married Single Others	
4.	UUM Foundation Co College of Art & science College of Business College of Law, Gov Awang Had Salleh Cothman Yeop Abdul	ences (UUM CAS)
5.	Ethnic Group	
	Malay	
	Chinese	
	Indian	
	Others	
6.	The smartphone brand	you are CURRENTLY using.
	Samsung	Oppo Huawei Asus Apple Others
	please (mention)	•

Section B:

The following statements are designed to evaluate your perception of brand dimensions of smartphone. Please refer to the Smartphone brand that you are currently using .

Kindly tick (/) the degree to which you Strongly agree or Strongly Disagree with the statements using the likert scale of 1-5 with 1 being SD=Strongly Disagree, D=Disagree, N=Neutral, A=Agree and SA=Strongly Agree.

Note: This questionnaires contain two languages, English and Malay. You are required to mark **ONLY ONE LANGUAGE**.

Nota: Soal Selidik ini mengandungi dua bahasa, Bahasa Inggeris dan Bahasa Melayu. Anda diminta untuk menandakan hanya dalam **SATU BAHASA SAHAJA**.

Code	Items	(SD)	(D)	(N)	(A)	(SA)
AW1	I am and a falling and a falli					
AWI	I am aware of this smartphone brand Saya mengetahui jenama telefon pintar ini					
AW2	I can recognize my Smartphone brand among other competitors' brands.					
	Saya dapat mengenali jenama telefon pintar saya berbanding jenama pesaing lain.					
AW3	When i think of a smartphone, my smartphone brand is one of the brands that come to my mind					
	Apabila saya memikirkan telefon pintar, jenama telefon pintar saya adalah satu jenama yang masuk ke dalam fikiran saya.					
AW4	I am familiar with my Smartphone brand					
	Saya sudah biasa dengan jenama telefon pintar saya	а М	ala	ysia		
PQ1	My smartphone brand is reliable brand					
	Jenama telefon pintar saya adalah jenama yang boleh dipercayai					
PQ2	My smartphone has excellent features					
	Telefon pintar saya mempunyai ciri-ciri yang sangat baik					
PQ3	My smartphone has good quality					
	Telefon pintar saya mempunyai kualiti yang baik					
PQ4	This smartphone brand is safe to use					
	Jenama telefon pintar ini selamat untuk digunakan					
ASS1	My smartphones brand is worthy for the price.					
	Jenama telefon pintar saya berpatutan untuk harga.					
ASS2	My smartphone brand has same benefits compare the others brand.					
	Jenama telefon pintar ini mempunyai faedah yang sama berbanding dengan jenama yang lain.					
ASS3	I believe that the company of this Smartphone is socially responsible					
	Saya percaya bahawa syarikat telefon pintar ini bertanggungjawab secara social					
LO1	I consider myself to be loyal to this smartphone brand					

	Saya setia kepada jenama telefon pintar ini				
LO2	I will recommend my friend to buy this smartphone.				
	Saya akan mengesyorkan kepada rakan saya untuk membeli telefon pintar ini.				
LO3	I will buy this Smartphone brand without doubt				
	Saya akan membeli jenama telefon pintar ini tanpa ragu				
BT1	I trust this smartphone brand.				
	Saya mempercayai jenama telefon pintar ini.				
BT2	I rely on this smartphone brand				
	Saya bergantung pada jenama telefon pintar ini				
BT3	This smartphone brand meets my expectations				
	Jenama telefon pintar ini memenuhi jangkaan saya				
BT4	I feel very comfortable purchasing this smartphone brand				
	Saya merasa sangat selesa untuk membeli jenama telefon pintar ini				
BT5	This smartphone brand always delivers on what they promise.				
	Jenama telefon pintar ini sentiasa menyampaikan apa yang mereka janjikan.				
PI1	Consider this Smartphone is my first choice if I buy same Smartphone product through online				
	Mempertimbangkan telefon pintar ini sebagai pilihan pertama saya, jika saya membeli produk telefon pintar yang sama melalui internet				
PI2	I prefer to buy my smartphones brand			7	
5	Saya lebih suka membeli jenama telefon pintar saya				
PI3	It is very likely that I will buy this smartphone brand				
	Kemungkinan besar saya akan membeli jenama telefon pintar ini	ь М	ماء	vei:	

Thank you very much for your cooperation.

Appendix B

Descriptive Statistics

					Std.				
	N	Minimum	Maximum	Mean	Deviation	Ske	wness	Kurto	sis
									Std.
	Statistic	Statistic	Statistic	Statistic	Statistic	Statistic	Std. Error	Statistic	Error
BAW	385	2.50	5.00	4.2182	.57858	255-	.124	576-	.248
PQ	385	2.75	5.00	4.2000	.59452	243-	.124	804-	.248
BAS	385	2.33	5.00	4.1143	.59042	079-	.124	472-	.248
BLO	385	1.67	5.00	3.9368	.73463	331-	.124	276-	.248
ВТ	385	2.40	5.00	3.9486	.63324	043-	.124	491-	.248
PI	385	2.00	5.00	3.9455	.74627	345-	.124	465-	.248
Valid N	385								
(listwise)									



		BAW	PQ	BAS	BLO
BAW	Pearson Correlation	1	.664**	.464**	.578**
	Sig. (2-tailed)		.000	.000	.000
	N	385	385	385	385
PQ	Pearson Correlation	.664**	1	.528**	.616**
	Sig. (2-tailed)	.000		.000	.000
	N	385	385	385	385
BAS	Pearson Correlation	.464**	.528**	1	.482**
	Sig. (2-tailed)	.000	.000		.000
	N	385	385	385	385
BLO	Pearson Correlation	.578**	.616**	.482**	1
	Sig. (2-tailed)	.000	.000	.000	
	N	385	385	385	385

^{**.} Correlation is significant at the 0.01 level (2-tailed).

1.IV- DV

Variables Entered/Removed^b

	Variables		Variables	
Model	Entered		Removed	Method
1	BLO,	BAS,		Enter
	BAW, PQ			

- a. All requested variables entered.
- b. Dependent Variable: PI

Model Summary^b

6	JUTARA		Adjusted R	Std. Error of the	
Model	R	R Square	Square	Estimate	Durbin-Watson
1	.718ª	.516	.511	.52202	1.764

- a. Predictors: (Constant), BLO, BAS, BAW, PQ
- b. Dependent Variable: PI

ANOVA^a

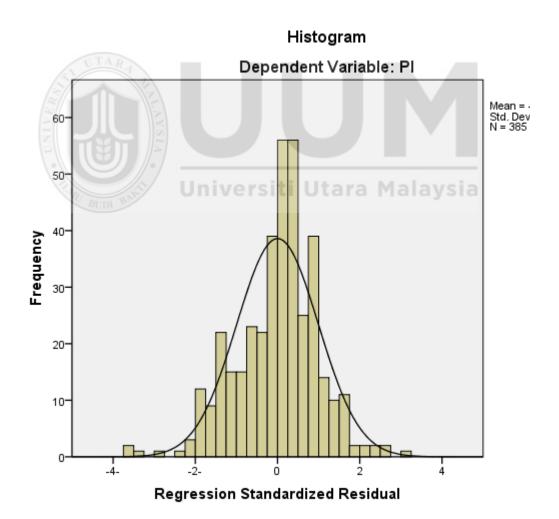
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Model	l	Sum of Squares	df	Mean Square	F	Sig.
1	Regression	110.302	4	27.576	101.192	.000 ^b
	Residual	103.552	380	.273		
	Total	213.855	384			

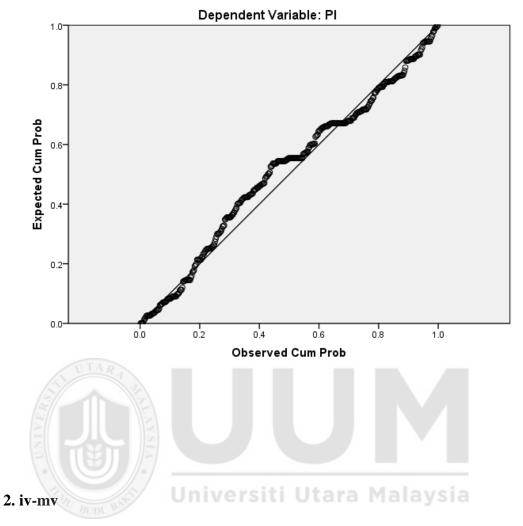
- a. Dependent Variable: PI
- b. Predictors: (Constant), BAW, BAS, BLO, PQ

_	Coefficients ^a										
Model			ndardized fficients	Standardized Coefficients			Collinea Statist	-			
		В	Std. Error	Beta	Т	Sig.	Tolerance	VIF			
1	(Constant)	.572	.229		2.501	.013					
	BAW	.049	.065	.038	.762	.446	.506	1.978			
	PQ	.225	.067	.179	3.361	.001	.448	2.232			
	BAS	021-	.055	017-	382-	.703	.672	1.489			
	BLO	.586	.049	.577	11.961	.000	.548	1.825			

a. Dependent Variable: PI



Normal P-P Plot of Regression Standardized Residual



Variables Entered/Removed^b

	Variables		Variables	
Model	Entered		Removed	Method
1	BLO,	BAS,		Enter
	BAW, PQ			

a. All requested variables entered.

b. Dependent Variable: BT

Model Summary^b

	industration of the state of th								
			Adjusted R	Std. Error of the					
Model	R	R Square	Square	Estimate					
1	.792ª	.627	.623	.38880					

a. Predictors: (Constant), BLO, BAS, BAW, PQ

b. Dependent Variable: BT

ANOVA^b

Mode	al .	Sum of Squares	df	Mean Square	F	Sig.
1	Regression	96.539	4	24.135	159.658	.000ª
	Residual	57.443	380	.151		
	Total	153.982	384			

a. Predictors: (Constant), BLO, BAS, BAW, PQ

b. Dependent Variable: BT

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Coefficients^a

		Unstandardize	ed Coefficients	Standardized Coefficients		
Mode	el	В	Std. Error	Beta	t	Sig.
1	(Constant)	.423	.170		2.487	.013
	BAW	041-	.048	037-	845-	.399
	PQ	.294	.050	.276	5.895	.000
	BAS	.178	.041	.166	4.348	.000
	BLO	.439	.036	.510	12.036	.000

a. Dependent Variable: BT

3. mv-dv

Variables Entered/Removed^b

	Variables	Variables	
Model	Entered	Removed	Method
1	BT ^a		Enter

- a. All requested variables entered.
- b. Dependent Variable: PI

Model Summary^b

	TITAR		Adjusted R	Std. Error of the
Model	R	R Square	Square	Estimate
1 /3/	.766ª	.587	.586	.48011

- a. Predictors: (Constant), BT
- b. Dependent Variable: PI

ANOVA^b

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Model		Sum of Squares	df	Mean Square	F	Sig.
1	Regression	125.572	1	125.572	544.777	.000ª
	Residual	88.282	383	.231		
	Total	213.855	384			

- a. Predictors: (Constant), BT
- b. Dependent Variable: PI

		Unstandardize	ed Coefficients	Standardized Coefficients		
		Officialidataize	od Oocinicicinto	Occincionis		
	Model	В	Std. Error	Beta	t	Sig.
	1 (Constant)	.380	.155		2.454	.015
L	ВТ	.903	.039	.766	23.340	.000

a. Dependent Variable: PI

4. Mediating

Variables Entered/Removed^b

Variables Effered/Kemovea							
	Variables	Variables					
Model	Entered	Removed	Method				
1	BLO, BAS,		Enter				
[2]	BAW, PQ						
2	BTa		Enter				

a. All requested variables entered.

b. Dependent Variable: PI

Model Summary^c

			Adjusted R	Std. Error of the
Model	R	R Square	Square	Estimate
1	.718ª	.516	.511	.52202
2	.798 ^b	.637	.632	.45269

a. Predictors: (Constant), BLO, BAS, BAW, PQ

c. Dependent Variable: PI

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b. Predictors: (Constant), BLO, BAS, BAW, PQ, BT

Α	N	0	W	Δ	C
~	14		, v	м	

Mode	el	Sum of Squares	Df	Mean Square	F	Sig.
1	Regression	110.302	4	27.576	101.192	.000ª
	Residual	103.552	380	.273		
	Total	213.855	384			
2	Regression	136.187	5	27.237	132.913	.000 ^b
	Residual	77.667	379	.205		
	Total	213.855	384			

a. Predictors: (Constant), BLO, BAS, BAW, PQ

b. Predictors: (Constant), BLO, BAS, BAW, PQ, BT

c. Dependent Variable: PI



Goemolents							
BUDI BAS		Unstandardized Coefficients		Standardized Coefficients	laysia		
Model		В	Std. Error	Beta	Т	Sig.	
1	(Constant)	.572	.229		2.501	.013	
	BAW	.049	.065	.038	.762	.446	
	PQ	.225	.067	.179	3.361	.001	
	BAS	021-	.055	017-	382-	.703	
	BLO	.586	.049	.577	11.961	.000	
2	(Constant)	.287	.200		1.438	.151	
	BAW	.077	.056	.059	1.365	.173	
	PQ	.028	.061	.022	.456	.648	
	BAS	141-	.049	111-	-2.876-	.004	
	BLO	.291	.050	.287	5.832	.000	
	ВТ	.671	.060	.570	11.239	.000	

a. Dependent Variable: PI

5. Frequency Table

Gender of the Respondents

Condition to the periodical							
					Cumulative		
		Frequency	Percent	Valid Percent	Percent		
Valid	Male	130	33.8	33.8	33.8		
	Female	255	66.2	66.2	100.0		
	Total	385	100.0	100.0			

Education of the Respondents

					Cumulative	
		Frequency	Percent	Valid Percent	Percent	
Valid	Foundation	12	3.1	3.1	3.1	
	Undergraduates	315	81.8	81.8	84.9	
	Postgraduates	58	15.1	15.1	100.0	
	Total	385	100.0	100.0		

Marital Status

	ALCOHOLD BUILDING A		unital Otatac		
\	Punt By	Frequency	Percent	Valid Percent	Cumulative Percent
Valid	"Married"	40	10.4	10.4	10.4
	"Single"	334	86.8	86.8	97.1
	Others	11	2.9	2.9	100.0
	Total	385	100.0	100.0	

Which of the following colleges do you study

		Frequency	Percent	Valid Percent	Cumulative Percent
Valid	"Foundation Center"	14	3.6	3.6	3.6
	"UUM CAS"	86	22.3	22.3	26.0
	"UUM COB"	214	55.6	55.6	81.6
	UUM AHSGS	43	11.2	11.2	92.7
	"UUM AHSGS"	10	2.6	2.6	95.3
	"UUM OYAGSB"	8	2.1	2.1	97.4
	"UUM GSGSG"	10	2.6	2.6	100.0
	Total	385	100.0	100.0	

Ethnic Group

			timio Group		
					Cumulative
/	5/1	Frequency	Percent	Valid Percent	Percent
Valid	Malay	224	58.2	58.2	58.2
	Chinese	81	21.0	21.0	79.2
	Indian	30	7.8	7.8	87.0
	Others	50	13.0	13.0	M = 1 = 100.0
	Total	385	100.0	100.0	

The smartphone brand you are currently using

	The smartphone brand you are currently doing				
					Cumulative
		Frequency	Percent	Valid Percent	Percent
Valid	Samsung	106	27.5	27.5	27.5
	Орро	42	10.9	10.9	38.4
	Huawei	26	6.8	6.8	45.2
	Asus	34	8.8	8.8	54.0
	Apple	59	15.3	15.3	69.4
	Others	118	30.6	30.6	100.0
	Total	385	100.0	100.0	

6. Reliability

BAS:

Reliability Statistics

Cronbach's	
Alpha	N of Items
.744	4

PQ

Reliability Statistics

Cronbach's	
Alpha	N of Items
.862	4

BAS

Reliability Statistics

	•
Cronbach's	
Alpha	N of Items
.704	3

BLO

Reliability Statistics

Cronbach's	
Alpha	N of Items
.825	3

BT

Reliability Statistics

Cronbach's		
Alpha	N of Items	
.869		5

ΡI

Reliability Statistics

Cronbach's	Universiti Utara Malaysia
Alpha	N of Items
.832	3