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THE EFFECT OF BANK IMAGE AND SERVICE QUALITY ON CUSTOMER SATISFACTION DIMEDIATION LOYALTY

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Abstract

In the current merger process at Bank Syariah Indonesia, there is often a buildup of customers due to the migration process, many complain about various things related to migration services as the main step in the merger process. The purpose of this study was to analyze the effect of bank image and service quality on customer satisfaction mediated loyalty. The method in this research is descriptive quantitative. The population in this study were customers of BSI Semarang Karangayu Branch with a total sample of 110 respondents. The results of this study indicate that the image of the bank has no effect on satisfaction. This is based on the t test obtained because the value of t count < t table (0.469 < 1.976). Service quality has an effect on satisfaction because the value of t count > t table (3.594 > 1.976). The image of the bank has no effect on loyalty, this is based on the t test because the value of t count < t table (0.116 < 1.976). Service quality has an effect on loyalty, this is based on the t test because the value of t count > t table (4.717 > 1.976). Satisfaction has an effect on loyalty, this is based on the t test because the value of t count > t table (10,683 > 1,976). Bank image has no effect on loyalty through satisfaction, this is because the partial effect is not significant so that it does not meet the requirements for a mediation test. Service quality has an effect on loyalty through satisfaction, this is based on the Sobel test which obtained a significance value of 0.000 less than 0.05 and a Z value of 5.8341. This shows that the effect of mediation is greater than its direct effect.

Keywords: Bank Image, Service Quality, Customer Loyalty, Customer Satisfaction

Introduction

Maintaining customer loyalty is an obligation in order to maintain business continuity, especially during the covid pandemic that hit all parts of the world. This also applies to the banking world, which has more or less felt the impact of this pandemic. This is because with loyalty that is maintained, the company will continue to run well.

By maintaining loyalty, the company will benefit even more, as according to Griffin that loyal customers will make regular purchases, buy product and service lines, refer to others and are immune to the pull of competitors. If BSI customers are loyal, it will be easy to maintain the existence of a product, in this case the Easy Mudharabah Savings product. It is easier to develop other products, savings in promotion costs

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because customers will voluntarily refer to other people and there is less chance for customers to switch to other companies.

However, loyalty is not formed just like that, loyal customers generally start from those who feel satisfied so that customer satisfaction is formed. As according to Kotler, satisfied customers are those who feel that the services they receive are at least in line with or even exceeding their expectations.

With the creation of Customer Satisfaction, it will create Customer Loyalty which prevents customer turnover, reduces price sensitivity, reduces marketing costs and improves the company's reputation because of the profits it makes.

In this study, the antecedents of satisfaction to be studied are Service Quality and Brand Image. This is because the service quality variable is an element that is closely related to satisfaction. Good service quality perceived by customers will increase satisfaction. According to Parasuraman et al., service quality can be identified with five dimensions, namely tangible, reliability, responsiveness, assurance, and empathy. Because service quality always focuses on customers, so that a product is designed and in service related to the product aims to meet the interests and expectations of customers, because quality refers to everything that determines customer satisfaction, a product produced is said to be of quality if it is in accordance with the wishes of the customer. Because Service Quality is an ever-changing condition because it is based on customer demands, in this case customers, it is important to maintain it in order to continue to provide satisfaction for customers.

Likewise with the image of the bank, a good image that has been embedded in the minds of customers is closely related to customer satisfaction. Based on several previous studies, it shows that a better brand image is in line with customer satisfaction and loyalty.

So as a Bank which is the result of the merger of Bank Syariah Mandiri, BRI Syariah, and BNI Syariah which is a Sharia Commercial Bank and transformed into Bank Syariah Indonesia (BSI) it must prioritize customer satisfaction in order to maintain customer loyalty that has existed before so that customers do not switch to another bank. savings products from other banks.

The Merger of 3 government Sharia Banks which was inaugurated on February 1, 2021 by President Joko Widodo also emphasized that the government was very serious in paying attention to the development of Sharia-based services that were able to survive in the midst of the volatile economic conditions. The government's commitment to encourage the economy through BSI is expected to be a new energy in national economic development. BSI is a reflection of the implementation of a modern, universal sharia system and provides goodness for the entire community.

In the banking world, especially in Indonesia, mergers are not new. This is because previously several banks were also the result of the merger of several entities as follows:

Table 1

Company name before merger	Company name after	Merger year
	merger	
Bumi Daya Bank (BDD)	PT. Bank Mandiri Tbk	October 2, 1998
Indonesian Export Import Bank		
(EXIM)		
Indonesian Development Bank		
(BAPINDO)		
State Trade Bank (BDN)		
Bali Bank	PT. Bank Permata	September 30,
Universal Bank	Tbk	2002
Bank Prima Express		
Artha Media Bank		
Patriot Bank		
Lippo Bank	CIMB Niaga	June 3, 2008
Commercial Bank		
National Pension Savings Bank	PT. Bank BTPN Tbk	February 1, 2019
Bank Sumitomo Mitsui Indonesia		
PT Bank Syariah Mandiri Tbk	PT Bank Syariah	February 1, 2021
PT BNI Syariah Tbk	Indonesia Tbk	
PT BRI Syariah Tbk		

Some of the objectives of the merger are as follows:

1. Good synergy to improve services for Syariah Bank Customers.

With the merger of the three banks, bank services are combined in one door for optimizing business prospects and developing Islamic banking in Indonesia. So with this merger, it will be stronger, stronger and in line with the Vision of Islamic Banks in Indonesia in the future.

2. Good synergy to improve services for Syariah Bank Customers.

With the merger of the three banks, bank services are combined in one door for optimizing business prospects and developing Islamic banking in Indonesia. So with this merger, it will be stronger, stronger and in line with the Vision of Islamic Banks in Indonesia in the future.

3. Business process improvement

With the merger, it will be easier for the government to oversee the Sharia principles implemented by BSI so as to improve the Sharia business processes that have been running so far.

4. risk management

Management of BSI will minimize risks that may occur in the management of the banking business in the future. Reflecting on the success of Bank Mandiri, which began with the merger of the previous four banks, it can be used as a reference and enthusiasm for the better.

5. Agency Resources

BSI will select the best resources in running the Islamic banking industry which is better than when run by three different entities. It will put the right people in the right positions too.

6. Strengthening Digital Technology

The development of banking technology and innovation that continues to emerge rapidly so that it is the task of BSI to uniform the technology used. With the hope that the digital technology used can be a benchmark in the Islamic banking system on a national scale. The Bank Syariah Indonesia Mobile website and application make it easy for customers to access it.

In the current merger process at Bank Syariah Indonesia, there is often a build-up of customers due to the migration process, not least on various social media, there are also many who complain about various things related to migration services as the main step in the merger process which is also felt by customers. So it is important to maintain Customer Loyalty by continuing to provide satisfactory services to Customers in the midst of the merger process which requires the Bank to change the name from previously Bank Syariah Mandiri Semarang Karangayu Branch to Bank Syariah Indonesia Semarang Karangayu Branch which will have an impact on the image that has been formed.

Based on previous research as conducted by Sumadi at all and by Suzy Widyasari at all which showed Brand Image had a positive effect on Satisfaction and Loyalty, while according to Euis Soliha at all showed that Bank Image had a positive effect on customer satisfaction but had no effect on Customer Loyalty.

Looking at the Service Quality variable as in previous research shows that service quality has a positive effect on customer satisfaction but on the contrary on customer loyalty as the results of research by Euis Soliha at all and also in research by Dede Dewi Riana in 2019 which shows that service quality and customer value affects customer satisfaction either partially or simultaneously. In research by Muhammad Zakiy, it shows that service quality has an effect on customer satisfaction in Islamic banks.

On the influence of the mediating variable, several studies have shown different results, including showing that satisfaction mediates brand image on loyalty, but the effect is small, smaller than the direct effect. Meanwhile, in a study by Euis Soliha at all, Satisfaction mediates perfectly on Service Quality and Bank Image on Loyalty.

Considering the above conditions, it is important to know how good the Bank's Image and BSI Service Quality are in the customer's view, considering that this is very closely related to customer satisfaction which will lead to customer loyalty of Bank Syariah Indonesia (BSI), so that with the implementation of the merger of three The Sharia Commercial Banks can achieve the goals set by the Indonesian government.

Research methods

This type of research is descriptive quantitative, namely systematic scientific research on the parts and phenomena and the causality of their relationships. The

population in this study were customers of BSI Semarang Karangayu Branch with a total sample of 110 respondents. Sources of data in this study include primary and secondary data sources. Analysis of the data in this study using SPSS with analytical methods in the form of instrument testing, classical assumption test, hypothesis testing, Sobel test and coefficient of determination test.

Results and Discussion

A. Results

1. Validity and Reliability Test

a. Validity test

Validity is the level of reliability and validity of the measuring instrument used. The instrument is said to be valid, meaning that the measuring instrument used to obtain the data is valid or can be used to measure what should be measured. Thus, a valid instrument is an instrument that is truly appropriate for measuring what is being measured.

Testing the validity using the SPSS program with the Factor method by looking at the KMO MSA and Bartlett's Test of Sphericity values. Then to determine whether each question item is valid or not by looking at the value of the Component Matrix. If the value is more than 0.5 then the item is said to be valid.

1) Variable Validity Test Bank image (X1)

The results of the validity test are presented in the following SPSS output table:

Table 2 Bank Image Variable Validity Test Results

	2,20 4214 242 4200 5 2 450	
Kaiser-Meyer-Olkin Measure	.621	
Bartlett's Test of Sphericity	Approx. Chi-Square	107,965
	df	3
	Sig.	.000

KMO and Bartlett's Test

	Anti-image Matrices	
	Sig.	.000
	df	3
Bartlett's Test of Sphericity	Approx. Chi-Square	107,965
Raiser Weyer Olkin Weasure	n bamping nacquacy.	.021

		-		
	-	X1.1	X1.2	X1.3
Anti-image Covariance	X1.1	.720	271	030
	X1.2	271	.541	300
	X1.3	030	300	.665
Anti-image Correlation	X1.1	.672 a	435	043
	X1.2	435	.582 a	501
	X1.3	043	501	.638 a

a. Measures of Sampling Adequacy(MSA)

Component Matrix ^a

Component
1

X1.1	.754
X1.2	.882
X1.3	.788

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Source: Data processed, 2022

The results of the validity test of the Bank image variable (X1) can be seen that the KMO MSA value is 0.621 and the significance of Bartlett's Test is 0.000 which is less than 0.05. Since the KMO MSA value was more than 0.5 and the significance of Bartlett's Test was less than 0.05, the factor analysis could be continued.

The next stage is to see the MSA value of each question item. For the MSA (Measures of Sampling Adequacy) value, which is a number that forms a diagonal in the Anti image Correlation column, it can be seen that for the Image bank variable (X1) all question items have a value of more than 0.5. This indicates the item is eligible for analysis.

Furthermore, to find out whether each item is valid or not, by looking at the value of the Component Matrix. It can be seen that the three Component Matrix value items are above 0.5, so that these items are declared valid.

2) Test the validity of the service quality variable (X2)

The results of the validity test are presented in the following table:

Table 3
Service Quality Variable Validity Test Results
KMO and Bartlett's Test

Kaiser-Meyer-Olkin Measure o	.916	
Bartlett's Test of Sphericity	Approx. Chi-Square	4148,864
	df	231
	Sig.	.000

_	_		-	-						_	troops Mut	_							_			_	_
	-	121	401	623	104	10.8	301	2.0	304	103	_	10.0	0.0	30.0	1004	0.65	10.11	1000	0.8		TEM	103	100
STATE OF THE PERSON	61	1.0	-360	306	865	-607	906	Mi	101	-87	981	1431	991	-81	100	160	-811	188	144	(41)	106	1.000	12
	10.1	-167.	146	108	-811	46	-621	-125	14.5	.05	-419	- 20	-291	,109	-100	107	411	-48	111	-100	100	.125	
	0.1		. 106	786	-919	490	-80	107	97	1894	-419	3.834	-001	.89	185	1079	411	188	700	NT.	MI	30.	
	201	100	. MS	-,466	(4)	40	266	1,000	-10.	101	-,811	-43	-014	341	362	3.9	.00	:01	301	100	-505.	-362	
	305	198	388	370	-60	111	:011	:100	(000	101	1883	-11)	- 681	- 91	-115	100	(03)	317	:001	191	101	3/1	
	-01	100	197.	180	416	(11)	.00	200	0.00	100	-80	+139		-306	-,300	10	98	27.	1664	101.	340	:100	
	307	380	-105	807	441	-416	-284	126	1,125	- 08	-80	- 04	-30	-300	388	-363	-018	.000	- 28	104	-81	900	
	10.6	- ivi	82	85	1984	001	-011	1228	- 100	441	du	118	0.00	- 500	301	108	-881	-336	289	108	101	180	
	100	art	-315	-394	0.000	-411	-300	136	180	31	-1640	-836	-011	300	-100	1,000	681.	316	101	108	- 59	301	
	1010	187	100	-825	901	-001	:01	1000	Het	116	:19	139	(21	107	100	120	481	100	100	188	20	-800	
	1011	-401	.104	304	-01	411	:006	530	311	-53	-66	. 101	-007	381	-39	36	400	(11)	360	det	361	100	
	1011	.08	-311	100	TM	-619	204	1.000	100	-01	-19	580	140	- 185	-85	.00	80	200	011	in	360	. 100	
	10.11	-862	300	2.6	812	-801	-096	-88	- 100	637	-637	821	-046	530	150	D9	-68	- 305	109	100	365	- 500	
	10714	53	-309	75	171	431	-80	.015	301	-131	, sobr	-104	-011	-386	.156	1,040	(816	-387	-1902	- 100	-88	390	
	2216	880	BT	100	198	-011	-001	iri	100	-00	-039	38	- 611	200	-812	- 21	(23)	301	-015	ict	100	311	13
	12.19	101	311	-000	111	-01	-00	det	im	-	-346	-01	30	- 600	100	- 10	itt	- 88	300	10	100	313	
	agir i	100	100	-82	130	4.0	:01	128	100	111	100	- 101	in	360	:00	100	-93	350	-113	90	100	187	
	1219	199	101	80	80	60	-004	-108	163	-67	-89	.01	-80	100	- 100	-21	-	-0.		let		-109	
	10.00																		188		104		
		917	100	. 89	- 811	471	-091	3.89	105	- OV	1638	- 819	-014	306	100	178	811	-39	:001	No.	181	360	
	10.39	100	100	82	-68	MZ.	1898	1009	100	634	Att	.441	-298	384	:300	-506	438	191	344	-100	48	1627	X
	10.77	100	316	30		831	-508	191	186	0.00	-81)	- 80	-246	- 101	.000	311	8.0	317	-434	100	HI.	335	14
	631	. 608	-100	1916	: #0	-411	-91	. BE	160	_===	367	- 401		-109	.181	167		:01	:01		184	-MF	
septemble Contraction	10.1	No.	100	-95	(3)	-00.	-304	1.300	1144	- 46	-901	- 180	511	- 101	.90	. H1.	1479	-30	- 81	100	260	1008	1
	61	ide	26.04	136	0.381	361	-104	1116	100	1,000	-301	- 10	-114	300	1111	. 500	.675	-38	118	100	284	330	
	42	110	- 386	3631	- 341	-20	-111	.314	166	1,83	-178	. 310	-061	384	345	1,000	-131	105	100	309	.50	388	
	104	618	- 100	::300	539	110	198	1,98	100	.000	-101	-)(13)	311	381	.)42	-	139	:101	-714	(81	HI.	1,000	-1
	=1	-000	.811	1.28	110	617	426	417%	(a)	-01	-811	-:110	300	-300	-3.55	1189	-100	146	-301	1110	100	-300	111
	101	1004	-110	170	181	-19.	137	- 1125-	-/40	-108	127	-38	- 201	-DI	- 391	X5-	.461	733	-381	-37.	252	-360	
	101	1.00	ctre.	-80	1,391	110	III	117	1111	-565	1,000	200	-007	19	.01	1.07	134	40	286	185	-01	788	
	103	-118	382	385	-40	. III	-591	:110	100		< 505	>18	- 131	-340	188	-358	-85	- 382	.384	5.30	201	.48	-
	401	1990	- 100	:29	807	414	100	188	471	117	1367	-190	-011	in	1199	109	100	391	111	301	134	226	1.4
	32.16	186	-200	1100	-904	411	201	(86)	1900	-37	3134	-442	136	-110.	300	-34	-01	310	- 205	(100)	111:	239	
	1001	1190	301	- 300	110	111	080	- 131	122	-100	-343	1995	-30	360	-150	1.00	-10	760	114	im	300	391	
	1011	211	-10	- 150	- 101	-80	202	3,587	130	-612	119	-367	105	-296	-600	1179	694	378	- 001	1110	145	1390	
	1211	ter	384	300	100	401	-211	5116	1907	- 762	-361	000	- 581	946	190	198	38	140	101	361	136	-386	
	303	110	-177	.005	801	-19	-001	111	jan.	1788	.636	1.16	-216	- 24:	107	Chie	-61	-316	-011	-811	-226	353	
	0.16	101	340	-600	110	-0.14	807	Safe	100	-63	-264	341	- 111	316	-29	iie.	110	347	-014	-Jri-	200	111	
	1018	100	111	100	101	-101	-011	128	101	28	:311	- 32	04	-116	1394	:30	dedir	- 101	-001	110	-01	110	
	100	-30	-211	100		10	310	107		- 2		140	196	345	-340	340	- 10	109	- 30	160	100	1111	
	918				111				-00	-07	34												
		1,590	176	47.	199	400	280	-296	190		-34	.794	- 24	336	-100	154	100	- 200	104	186	120	班	
	Q.H	110.	-311	584	871	-178	- 30	-349	-285	30	-122	-08	-111	391	124	-3)	19	-101	-046	117	-,100	.01	
	0.36	200	284	- 10	110	100	- 30	-281	197	-34	:18	301	315	19	-114	- 79	life.	.39	114	199	NP.	1789	
	11.11	1408	180	574	- (33)	940	:361	310	1880	24	-19	110	961	-101	:312	207	100	-70	-03	111	200	2021	
	tio.	- 21	-28	183	-80	-40		- 241	100	-60	3004	-117	141	-19:	354	1.00	19.	- 38	-3ri	5.4190	403	-307	

Component Matrix ^a

	Component
	1
X2.1	.799
X2.2	.803
X2.3	.821
X2.4	.761
X2.5	.766
X2.6	.893
X2.7	.833
X2.8	.812
X2.9	.768
X2.10	.853
X2.11	.853
X2.12	.805
X2.13	.815
X2.14	.821
X2.15	.732
X2.16	.849
X2.17	.798
X2.18	.872
X2.19	.776
X2.20	.754
X2.21	.805
X2.22	.776

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Source: Data processed, 2022

The results of the validity test of the service quality variable (X2) can be seen that the KMO MSA value is 0.916 and the significance of Bartlett's Test is 0.000 which is less than 0.05. Since the KMO MSA value was more than 0.5 and the significance of Bartlett's Test was less than 0.05, the factor analysis could be continued.

The next stage is to see the MSA value of each question item. For the MSA (Measures of Sampling Adequacy) value, which is a number that forms a diagonal in the Anti image Correlation column, it can be seen that for the Quality of service variable (X2), all question items have a value of more than 0.5. This indicates the item is eligible for analysis.

Furthermore, to find out whether each item is valid or not, by looking at the value of the Component Matrix. It can be seen that the 22 Component Matrix value items are above 0.5, so that these items are declared valid.

3) Satisfaction variable validity test (Y1)

The results of the validity test are presented in the following table:

Table 4
Satisfaction variable validity test results

Kaiser-Meyer-Olkin Measure of Sa	.737	
Bartlett's Test of Sphericity	Approx. Chi-Square	341,694
	df	6
	Sig.	.000

KMO and Bartlett's Test

	I	Anti-image Matri	ces		
	-	Y1.1	Y1.2	Y1.3	Y1.4
Anti-image Covariance	Y1.1	.235	-147	-198	056
	Y1.2	-147	.389	.022	175
	Y1.3	-198	.022	.366	.004
	Y1.4	056	175	.004	.593
Anti-image Correlation	Y1.1	.677 a	486	675	150
	Y1.2	486	.771 ^a	.060	364
	Y1.3	675	.060	.711 ^a	.009
	Y1.4	150	364	.009	.851 a

a. Measures of Sampling Adequacy(MSA) $\,$

Component Matrix ^a

	Component
	1
Y1.1	.925
Y1.2	.868
Y1.3	.829
Y1.4	.757

Extraction Method: Principal Component Analysis.

a. 1 components extracted.

Source: Data processed, 2022

The results of the validity test of the Satisfaction variable (Y1) can be seen that the KMO MSA value is 0.737 and the significance of Bartlett's Test is 0.000 which is less than 0.05. Since the KMO MSA value was more than 0.5 and the significance of Bartlett's Test was less than 0.05, the factor analysis could be continued.

The next stage is to see the MSA value of each question item. For the MSA (Measures of Sampling Adequacy) value, which is the number that forms a diagonal in the Anti image Correlation column, it can be seen for the Y1 variable, all question items have a value of more than 0.5 . This indicates the item is eligible for analysis.

Furthermore, to find out whether each item is valid or not, by looking at the value of the Component Matrix. It can be seen that the four Component Matrix value items are above 0.5, so that these items are declared valid.

4) Loyalty variable validity test (Y2)

The results of the validity test are presented in the following table:

Table 5 Loyalty variable validity test results

KMO and Bartlett's Test						
eyer-Olkin Measure o	of Sampling Adequacy.	.776				
Test of Sphericity	Approx. Chi-Square	427,560				
	df	6				
	Cia.	000				

	Anti-image Matrices	.000
	Sia.	.000
	df	6
Bartlett's Test of Sphericity	rtlett's Test of Sphericity Approx. Chi-Square	
Kaiser-Meyer-Olkin Measure of Sampling Adequacy.		.776

Anti-inlage wat ices					
	-	Y2.1	Y2.2	Y2.3	Y2.4
Anti-image Covariance	Y2.1	.248	082	.024	-130
	Y2.2	082	.236	-166	098
	Y2.3	.024	-166	.673	.016
	Y2.4	-130	098	.016	.225
Anti-image Correlation	Y2.1	.783 ^a	340	.060	549
	Y2.2	340	.777 ^a	417	426
	Y2.3	.060	417	.787 ^a	.042
	Y2.4	549	426	.042	.764 ^a

a. Measures of Sampling Adequacy(MSA)

Component Matrix ^a

	Component	
	1	
Y2.1	.908	
Y2.2	.938	
Y2.3	.651	
Y2.4	.919	

Extraction Method: **Principal Component** Analysis.

KMO and Bartlett's Test				
Kaiser-Meyer-Olkin Measure	.776			
Bartlett's Test of Sphericity	427,560			
	df	6		
a. 1 components extracted.				

Source: Data processed, 2022

The results of the validity test of the Loyalty variable (Y2) can be seen that the KMO MSA value is 0.776 and the significance of Bartlett's Test is 0.000 which is less than 0.05. Since the KMO MSA value was more than 0.5 and the significance of Bartlett's Test was less than 0.05, the factor analysis could be continued.

The next stage is to see the MSA value of each question item. For the MSA (Measures of Sampling Adequacy) value, which is the number that forms a diagonal in the Anti image Correlation column, it can be seen that for the loyalty variable (Y2) all question items the value is more than 0.5. This indicates the item is eligible for analysis.

Furthermore, to find out whether each item is valid or not, by looking at the value of the Component Matrix. It can be seen that the four Component Matrix value items are above 0.5, so that these items are declared valid.

b. Reliability Test

Reliability test is useful to determine whether the instrument, in this case the questionnaire, can be used more than once, at least by the same respondent will produce consistent data. In other words, instrument reliability characterizes the level of consistency. The reliability test used is the Cronbach Alpha method. The Cronbach Alpha method is used to find the reliability of the instrument whose score is a range of several values or in the form of a scale.

According to Sekaran (2003) in Priyatno (2013:30), the decision making for the reliability test is as follows:

- Cronbach's alpha < 0.60 = poor reliability
- Cronbach's alpha 0.60 0.79 = accepted reliability
- Cronbach's alpha 0.8 or above = good reliability

After being calculated with the help of the SPSS program, it can be seen that the reliability value (Cronbach's alpha) is as follows:

Table 6
Reliability Test Results

Variable	Alpha	r limit	Decision
Bank Image (X1)	0.734	0.600	Reliable
Quality of Service (X2)	0.974	0.600	Reliable
Satisfaction (Y1) mediation	0.863	0.600	Reliable
Loyalty (Y2)	0.874	0.600	Reliable

Source: Data processed, 2022

From the table above, it can be seen that the Cronbach alpha value for the four variables is above 0.600. Because the value is greater than 0.600, the questionnaire measuring instrument is reliable or has met the reliability requirements.

2. Multiple Linear Regression Analysis and Hypothesis Testing

a. Multiple Linear Regression Equation

Multiple linear regression analysis was used to determine the effect of the independent variables on the dependent variable either partially (t test) or jointly (F test). In this study to determine the effect of the variable cost of quality and product quality on sales. Multiple linear regression equation with two independent variables for regression equations 1 and 2, as follows:

$$Y1 = b0 + b1X1 + b2X2 + e$$
 (Equation 1)

$$Y2 = b0 + b1X1 + b2X2 + b3Y1 + e$$
......(Equation 2)

Where:

Y1 : Satisfaction (intervening/mediation variable)

Y2 : Loyalty (dependent variable)

b0 : Constant

b1-3 : Regression Coefficient

X1 : Bank Image (independent variable)

X2 : Quality of Service (independent variable)

e : Error Factor (value 0)

The results obtained after the data was processed with the help of the SPSS program are presented in the following table:

Table 7

Multiple Linear Regression Analysis on Regression Equation 1

Coefficients ^a

		Unstandardized Coefficients		Standardized Coefficients		
Mod	lel	В	Std. Error	Beta	t	Sig.
1	(Constant)	8054	2.177		3.700	.000
	Bank Image (X1)	.089	.189	.059	.469	.640
	Quality of Service (X2)	.099	.028	.450	3.594	.000

a. Dependent Variable: Satisfaction (Y1)

Table 8

Multiple Linear Regression Analysis on Regression Equation 2

Coefficients a

-		Unstandardized Coefficients		Standardized Coefficients		
Mod	del	В	Std. Error	Beta	t	Sig.
1	(Constant)	-1.565	1.413		-1.107	.270
	Bank Image (X1)	.014	.117	.009	.116	.908
	Quality of Service (X2)	.084	.018	.392	4.717	.000
	Satisfaction (Y1)	.547	.051	.561	10,683	.000

a. Dependent Variable: Loyalty (Y2)

Source: Data processed, 2022

Regression equation 1 as follows:

Y1 = 8.054 + 0.089X1 + 0.099X2

The meaning of these numbers is as follows:

- A constant of 8.054; it means that if the bank's image and service quality are 0, then the value of satisfaction (Y1) is 8.054.
- Regression coefficient of bank image variable (X1) is 0.089; This means that for every 1 unit increase in bank image, it will increase satisfaction by 0.089 units, assuming the other independent variables have a fixed value.
- The regression coefficient of the service quality variable (X2) is 0.099; This means that for every 1 unit increase in service quality, it will increase satisfaction by 0.099 units, assuming the other independent variables have a fixed value.

Regression equation 2 as follows:

Y2 = -1.565 + 0.014X1 + 0.084X2 + 0.547Y1

The meaning of these numbers is as follows:

- Constant of -1.565; it means that if the bank's image, service quality, and satisfaction value is 0, then the amount of loyalty (Y2) is -1.565.
- Regression coefficient of bank image variable (X1) is 0.014; This means that for every 1 unit increase in bank image, it will increase loyalty by 0.014 units, assuming the other independent variables have a fixed value.
- The regression coefficient of the service quality variable (X2) is 0.084; This means that for every 1 unit increase in service quality, it will increase loyalty by 0.084 units, assuming the other independent variables have a fixed value.
- The regression coefficient of the Satisfaction variable (Y1) is 0.547; it means that for every increase in satisfaction by 1 unit, it will increase loyalty by 0.547 units, assuming the other independent variables have a fixed value.

b. T test (partial regression coefficient test)

The t test is used to determine whether the independent variable partially affects the dependent variable or not.

The results of the t-test obtained are presented as follows:

Table 4.15
Results of t test (partial test) on Regression Equation 1

	Coefficients "				
Мо	del	Т	Sig.		
1	(Constant)	3.700	.000		
Bank Image (X1)		.469	.640		
	Quality of Service (X2)	3.594	.000		

a. Dependent Variable: Satisfaction (Y1)

B. Discussion

1. The Effect of Bank Image on Satisfaction (Hypothesis 1)

Based on the results of the study, it is known that the image of the bank has no effect on satisfaction. This is based on the t-test in the regression equation 1 which is obtained because the value of t count < t table (0.469 < 1.976) or significance > 0.05 (0.640 > 0.05) so that Ho is accepted and Ha is rejected.

Thus, the first hypothesis which states "Bank image has an effect on satisfaction" is not proven and can be declared not accepted. The results of this study are not in line with the research conducted by Sumadi and Euis Soliha with the title The effect of bank image and trust on loyalty mediated by customer satisfaction in 2015 which showed that Bank Image had a positive directional effect on customer satisfaction, as well as research conducted conducted by Suzy Widyasari et al. shows that image has an effect on satisfaction. This may happen because Bank Syariah Indonesia is the result of a merger of several Islamic banks that have only been running for some time, so that customers ignore this because the image in their minds is still related to the old entity before the merger.

2. Effect of Service Quality on Satisfaction (Hypothesis 2)

Based on the results of the study, it is known that service quality has an effect on satisfaction. This is based on the t-test in the regression equation 1 obtained because the value of t-count > t-table (3.594 > 1.976) or significance < 0.05 (0.000 <0.05) so that Ho is rejected and Ha is accepted. The effect is positive because the t-count is positive, meaning that if service quality increases, satisfaction also increases.

Thus the second hypothesis which states "Service quality affects satisfaction" is proven and can be declared accepted. The results of this study are in line with the results of research conducted by Euis Soliha, Alimuddin Rizal, Ali Maskur, Nursalinda Bella Mawarni and Rochmani with the title Service quality, bank image and customer loyalty: the mediating role of customer satisfaction which shows that service quality has a positive influence on customer satisfaction.

Likewise in the research conducted by Dede Dewi Riana 2019 in her research "The Influence of Service Quality and Customer Value on Loyalty Mediated

3. The Effect of Bank Image on Loyalty (Hypothesis 3)

Based on the results of the study, it is known that the image of the bank has no effect on loyalty. This is based on the t-test in the regression equation 2 which is obtained because the value of t count < t table (0.116 < 1.976) or significance > 0.05 (0.908 > 0.05) so that Ho is accepted and Ha is rejected.

Thus the third hypothesis which states "Bank image affects loyalty" is not proven and can be declared not accepted. The results of this study are not in line with the results of research conducted by Suzy Widyasari, Euis Soliha, Sophiyanto Wuryan and Leny Dwi Damayanti but it is in line with the research conducted by Sumadi and Euis Soliha in 2015 which showed that bank image had no effect on loyalty in PD BKK Dempel Demak.

4. The Effect of Service Quality on Loyalty (Hypothesis 4)

Based on the results of the study, it is known that service quality has an effect on loyalty. This is based on the t test in the regression equation 2 which is obtained because the t count > t table (4.717 > 1.976) or significance < 0.05 (0.000 < 0.05) so that Ho is rejected and Ha is accepted. The effect is positive because the t-count is positive, meaning that if service quality increases, loyalty also increases.

Thus the fourth hypothesis which states "Service quality affects loyalty" is proven and can be declared accepted. The results of this study are in line with the results of research conducted by Muhammad Zakiy: 2017 in "The influence of service quality on Islamic bank customers with customer satisfaction as an intervening variable" shows that service quality has a positive influence on customer satisfaction of Islamic banks

5. Effect of Satisfaction on Loyalty (Hypothesis 5)

Based on the results of the study, it is known that satisfaction has an effect on loyalty. This is based on the t test in the regression equation 2 which is obtained because the t count > t table (10,683 > 1,976) or significance < 0.05 (0.000 < 0.05) so that Ho is rejected and Ha is accepted. The effect is positive because the t-count is positive, meaning that if satisfaction increases, loyalty also increases.

Thus the fifth hypothesis which states "Satisfaction affects loyalty" is proven and can be declared accepted. In line with research by Euis Soliha, RA Marlien, Suzy Widyasari, Alimuddin Rizal Rivai and Nurul Khotimah: 2019 in a study entitled "Image, Customer product knowledge, satisfaction and loyalty: testing their relationships in the rural bank sector which shows that satisfaction has a significant and positive on customer loyalty.

6. The Effect of Bank Image on Satisfaction through Loyalty (Hypothesis 6)

Based on the results of the study, it is known that the image of the bank has no effect on loyalty through satisfaction. This is because partially the image of the bank has no effect on satisfaction and also on loyalty, so it does not meet the requirements for a sobel test. Thus the sixth hypothesis which states "Bank image affects loyalty through satisfaction" is not proven and can be declared not accepted. The results of this study are not in line with the results of research conducted by Euis Soliha, Alimuddin Rizal, Ali Maskur, Nursalinda Bella Mawarni and Rochmani with the title Service quality, bank image and customer loyalty: the mediating role of customer satisfaction which shows that satisfaction mediates perfectly on quality, service and bank image on customer loyalty.

7. The Effect of Service Quality on Satisfaction through Loyalty (Hypothesis 7)

Based on the results of the study, it is known that service quality has an effect on loyalty through satisfaction. This is based on the Sobel test which obtained a significance value of 0.000 and a Z value of 5.8341. This indicates that satisfaction mediates service quality on loyalty and the mediation effect is greater than the direct effect. Thus the seventh hypothesis which states "Service Quality has an effect on loyalty through satisfaction" is proven and can be declared accepted. This is in line with research conducted by Euis Soliha, Alimuddin Rizal, Ali Maskur, Nursalinda Bella Mawarni and Rochmani with the title Service quality, bank image and customer loyalty: the mediating role of customer satisfaction which shows that satisfaction mediates perfectly on service quality and image. bank on customer loyalty.

Conclusion

From the results of data analysis in chapter IV above, the following conclusions can be drawn:

- 1. Bank image has no effect on satisfaction. This is based on the t-test in the regression equation 1 which is obtained because the value of t count < t table (0.469 < 1.976) or significance > 0.05 (0.640 > 0.05) so that Ho is accepted and Ha is rejected.
- 2. Service quality has an effect on satisfaction. This is based on the t-test in the regression equation 1 obtained because the value of t-count > t-table (3.594 > 1.976) or significance < 0.05 (0.000 <0.05) so that Ho is rejected and Ha is accepted. The effect is positive because the t-count is positive, meaning that if service quality increases, satisfaction also increases.
- 3. Bank image has no effect on loyalty. This is based on the t-test in the regression equation 2 which is obtained because the value of t count < t table (0.116 < 1.976) or significance > 0.05 (0.908 > 0.05) so that Ho is accepted and Ha is rejected.

- 4. Service quality has an effect on loyalty. This is based on the t test in the regression equation 2 which is obtained because the t count > t table (4.717 > 1.976) or significance < 0.05 (0.000 < 0.05) so that Ho is rejected and Ha is accepted. The effect is positive because the t-count is positive, meaning that if service quality increases, loyalty also increases.
- 5. Satisfaction affects loyalty. This is based on the t test in the regression equation 2 which is obtained because the t count > table (10,683 > 1,976) or significance < 0.05 (0.000 < 0.05) so that Ho is rejected and Ha is accepted. The effect is positive because the t-count is positive, meaning that if satisfaction increases, loyalty also increases.
- 6. Bank image has no effect on loyalty through satisfaction. This is because the partial effect is not significant so that it does not meet the requirements for a mediation test.
- 7. Service quality affects loyalty through satisfaction. This is based on the Sobel test which obtained a significance value of 0.000 less than 0.05 and a Z value of 5.8341. This shows that the effect of mediation is greater than its direct effect

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