INFLUENCE OF PRODUCT INNOVATION AND SERVICE QUALITY ON PURCHASE DECISION IN JAMBI ARINY BATIK IN KELURAHAN PASIR PANJANG JAMBI KOTA SEBERANG

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Abstract

Batik is a national cultural asset that has been inherited from generation to generation to every generation until now. Batik represents one of the creative handicraft industries in Indonesia which is rooted in culture and is able to provide employment and entrepreneurship in Indonesia, one of which is the Jambi area. Like other products, in order to be able to compete in the Jambi batik product market, it is necessary to understand the market's needs. Therefore, the authors took the title "The Effect of Product Innovation and Service Quality on Purchasing Decisions in Batik Jambi Ariny in the Kelurahan Pasir Panjang Jambi, Kota Seberang".The method used is a survey method. The data used are primary data obtained from direct interviews using a questionnaire. Data obtained through multiple linear regression analysis using the SPSS application.The results showed that product innovation and service quality had a positive and significant impact on purchasing decisions. On Batik Jambi Ariniy. Meanwhile, innovation and service quality simultaneously contributed 42.3% to the purchasing decision at Batik Jambi Ariny.

Keywords: Product Innovation, Service Quality, Purchasing Decisions

Introduction

At the beginning of the New Order government, the mining and oil and gas sectors were the largest foreign exchange earners from the export side. The development of export-oriented industries was a priority for industrial development at that time. Industrial development still focuses on developing import substitution industries that are oriented towards the domestic market. The textile industry in Indonesia has a big role in national development. This can be seen both from the increase in production, exports, and even the high absorption of labor that can be absorbed by the textile industry sector. The rapid development of the textile industry is influenced by the provision of several production factors that are needed for the continuity of a production process (Mas Aini Fitri, 2011).

Textiles are materials from fibers that are processed into fabrics or yarn as materials for making clothing and other products. The textile industry is one of the industries that is growing quite rapidly in Indonesia and is an industry that is relied on to meet the needs of National clothing. One type of textile industry that is engaged in Indonesia is batik.

Batik is a national cultural asset that has been inherited from generation to generation to every generation until now. The uniqueness of Indonesian batik cannot be compared to batik in other countries because Indonesian batik is different not only in the manufacturing process but also with different motives because it is related to a symbol of life which is full of the philosophical values of this nation (Singgih and Prasetyo, 2016).

Batik represents one of the creative handicraft industries in Indonesia which is rooted in culture and is able to provide employment and entrepreneurship in Indonesia, one of which is the Jambi area. Based on UNESCO's decision, batik has been legalized as a Cultural Heritage belonging to Indonesia. This has resulted in higher public appreciation for batik, not only local communities but also international communities. Batik is a product that is worn not only at formal but also informal events, so that the batik industry then becomes an industry that is considered to be able to contribute to improving the real economic sector, especially in the current industrialization era (Adhanita, S, 2013). by many choices in influencing consumers. Apart from going through promotions, the quality of products and services must also be improved. Not only that, business competition also means that companies must be able to make innovative products. the batik industry which is classified as innovation makes a business continue to grow. Innovation in variety, style, and color is one of the most important innovations applied to art products and contains elements of local culture (Dhewanto et al, 2015).

Jambi's batik and weaving (songket) are the handicraft products of Jambi Malay culture that have long been known to the international level. Batik has become an economic product that has sales value, especially after the craftsmen diversify new products of various shapes, types and varieties through creativity and innovation, in order to attract consumer tastes and penetrate a wide market (Karmela, 2015). Like other products, in order to be able to compete in the Jambi batik product market, it is necessary to understand the market's needs. Business players in the Jambi batik industry must be able to create competitive advantages in the form of uniqueness and product characteristics that competitors cannot imitate and can provide superior



value to customers. This means that Jambi batik products must provide something of value to consumers. As a product innovation, the quality of service to consumers is also something that must be considered. A company must also look at the quality of service that employees have. Service quality is the level of excellence expected and control over that level of excellence is to meet market demand.

Batik Ariny is the original creation of batik craftsmen in Jambi City, apart from providing a choice of various batik patterns that already exist in Jambi City, Batik Ariny Jambi City dares to take innovations in the products offered, one of the innovations provided by Batik Ariny Jambi City is to provide choices. color, the choice of colors offered by Batik Ariny Jambi City by giving a touch of natural colors, so the colors given make people who wear batik more attractive and do not seem to be bad when worn. In addition to the innovations provided by Ariny batik above, Ariny batik also has other advantages in the products offered, especially the advantages of similar Jambi batik products, where these advantages can be seen from the batik making process itself. where the manufacture is purely done using a manual system or not using a machine at all, this process can make the product have a wide variety of attractive patterns and motifs that are not marketable, and besides that Ariny batik excellence is also supported by Jambi City government agencies, where Ariny batik is under the guidance of the Jambi City Industry and Trade Service. Competition in the business world is something that cannot be avoided, with the existence of competition, companies are faced with various opportunities and threats both from outside and from within the country. For this reason, every company is required to always understand and understand what is happening in the market and what consumers want, as well as various changes in the business environment so that they are able to compete with other companies (Anggraini, 2017).

Batik Jambi Ariny is one of the UMKM (Micro, Small and Medium Enterprises) owned by Mr. Taufik, S.Ag in the field of batik on Jalan KH.M.Shaleh Rt.03, Pasir Panjang Village, Danau Teluk District, Jambi City Seberang. Batik Jambi Ariny had experienced a decline in turnover due to decreased purchases. To maintain these MSMEs, many efforts have been made, one of which is by making innovations which are expected to provide attractiveness to the products being marketed. This increasingly varied market condition makes consumers selective in making purchases and increasingly critical in their buying behavior. Therefore, to determine whether there is an effect of product innovation and service quality, especially at centers that raise regional characteristics, one of which is Jambi batik, the researcher takes the title "The Influence of Product Innovation and Service Quality on Purchasing Decisions in Jambi Ariny Batik in Pasir Panjang Jambi, Seberang City.

Research Method

This research was carried out with a survey research method. The data collected in this study include primary data. Primary data were obtained from direct interviews using a questionnaire to the object of research, namely batik Ariny customers. The sample of this study used the Slovin formula with a total sample of 80 respondents. Statistical data processing in this study used a computer program application or Statistical Product and Service Solution (SPSS) for 22. Before processing statistical data with SPSS for 22. To get answers to the problem formulation in this study, multiple linear regression analysis tools were used. , with multiple linear regression equation is as follows:

$$Y = \alpha + + + e\beta_1 X_1 \beta_2 X_2$$

Result and Discussion

Characteristics of Respondents Based on Gender

Gender	Respondents	Percentage (%)	
Male	57	71.24	
Women	23	28.75	
amount	80	100.00	

Table 1. Consumer Characteristics Based on Gender

Source: Field Research Results (Primary Data)

Based on the table above, it is known that based on the characteristics of gender there are 71.24% male consumers and 28.75% female consumers, it can be said that Jambi Ariny batik consumers are more preferred by men, this can occur because of the design and the color of many men who love Ariny batik. Age is a consideration that can be seen by a person to make a decision and becomes a measure of emotional maturity.



Consumer Characteristics Based on Age

Table 2. Consumer Characteristics Based on Age					
Age	Respondents	Percentage (%)			
15-25 Years	12	15.00			
26-35 Years	32	40.00			
36-45 years	15	18.75			
46-55 Years	21	26.25			
amount	80	100.00			

Source: Field Research Results (Primary Data)

Based on the table above, it is known that based on age characteristics there are 12% of consumers aged 15-25 years, 32% aged 26-35 years, 15% aged 36-45 years, and 21% aged 46-55 years. It can be seen that the largest percentage is 32% of consumers aged 26-35 years.

Consumer Characteristics Based on Education

Table 3. Consumer Characteristics Based on Education				
Last education	Respondents	Percentage (%)		
Senior high school / equivalent	21	26.25%		
Academy / (D, 1, D2, D3)	5	6.25%		
Bachelor (S1 / equivalent)	33	41.25%		
S2	15	18.75%		
S3	6	7.50%		
amount	80	100.00%		

Source: Field Research Results (Primary Data)

Based on the table above, it can be seen that from the level of education, it is found that buyers who have a Bachelor or Bachelor degree, dominate the purchase of Jambi Ariny batik.

Consumer Characteristics Based on Occupation

Type of work	Respondents	Percentage (%)
Housewife	3	3.75%
Student / Student	7	8.75%
State Civil Apparatus (ASN)	46	57.50%
Entrepreneur	16	20.00%
Others	8	10.00%
amount	80	100.00%

Source: Field Research Results (Primary Data)

Based on the table above, it is known that based on the type of work there are 3.75% housewives, 8.75% students / students, 57.5% employees (private / public), 20% entrepreneurs, and 10% others. It can be seen that the largest percentage is 57.5% namely State Civil Apparatus)

Characteristics of Consumers Based on Income

Table 5. Characteristics of Consumers Based on Income					
Income	Respondents	Percentage (%)			
<1,000,000	3	3.75%			
1,000,000 - 2,000,000	14	17.5%			
2,000,000 - 3,000,000	57	71.25%			
Above 3,000,000	6	7.5%			
amount	80	100%			
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Source: Field Research Results (Primary Data)

Based on the table above, it is known that based on the income characteristics there are 3.75% of consumers who have an income below Rp. 1,000,000, 17.5% have an income of Rp. 1,000,000 - Rp. 2,000,000, 71.25% have an income of Rp. 2,000,000 - Rp. 3,000,000, and 7.5% have an income above Rp. 3,000,000. It can be seen that the largest percentage is consumers who have an income of Rp. 1,000,000 - Rp. 2,000,000 per month.



Hypothesis testing Partial Test (T Test)

T test is conducted to determine the effect of each independent variable on the dependent variable. Ha tested is a parameter which is not equal to zero and Ho is a parameter which is equal to zero. The way to do this is by comparing the statistical value t with the critical point according to the table, if tcount> ttable then Ha is accepted, to see the calculation results found in this study, we can see in the table below

			Standardized Coefficients		
Model	В	Std. Error	Beta	t	Sig.
(Constant)	21,972	2,0207		10,948	,000
Inovasi Produk	,168	,039	,396	4,257	,000
Kualitas Pelayanan	,209	,050	,392	4,218	,000

Table	6	Partial	Test	(T	Test)	`
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a. Dependent Variable

The following will explain the partial testing of each variable: (1). Product Innovation Variable (X1), Based on the results of the partial test (t test) between the Product Innovation variable (X1) on the Purchase Decision (Y), it was found that the t-count value was 4.257 > t table 1.664 with a significance level of 0.000. Thus, it means that the Product Innovation variable (X1) has a positive and significant effect on Purchasing Decisions (Y); (2) Service Quality Variable (X2), Based on the results of testing with SPSS 22 between the Service Quality (X2) variable on the Purchasing Decision (Y), the tcount value is 4.218 > ttable 1.664 with a significance level of 0.000. This means that the Service Quality variable (X2) has a positive and significant effect on Purchasing testion (Y).

From the Coefficients table above, a multiple linear regression equation can be made as follows:

$$Y = 21,972 + 0.168 + 0.209X_1 X_2$$

The following is an explanation of the multiple linear regression equation above: (1) A constant of 21,972 means that if Product Innovation () and Service Quality () are 0, then the Purchase Decision is worth 21,972X_1 X_2; (2) The product innovation variable regression coefficient () is 0.168, meaning that if the innovation of Jambi Ariny's batik products increases by 1%, it will affect the purchase decision (Y), or the purchase decision will increase by 16.8%. The coefficient is positive, meaning that there is a positive relationship between Product Innovation and Purchasing Decisions, the higher the value of Product Innovation, the higher the value of the Purchasing Decision.X_1

The regression coefficient of the Service Quality variable () is 0.209, meaning that if the service quality of Jambi Ariny's batik increases by 1%, the purchase decision (Y) will increase by 20.9%. The coefficient is positive, meaning that there is a positive relationship between Service Quality and Purchasing Decisions, the higher the Service Quality value, the more the Purchase Decision value will increase.X_2

Simultaneous Test (Test F)

The f test is intended to determine the effect of the independent variables (Product Innovation and Service Quality) simultaneously or together on the dependent variable (Purchase Decision). This test is done by comparing the fcount with the table or it can also use the observation of the significant value of F at the α level used, which is 5%. The results of the f Test calculation can be seen in the following table

	Table 7. Simultaneous Test (Test F)						
Model		Sum of Squares	df	Mean Square	F	Sig.	
1	Regression	59,229	2	29,614	28,249	,000 ^b	
	Residual	80,721	77	1,048			
	Total	139,950	79				
a.	a. Dependent Variable						

b. Predictors: (Constant)

At the level of confidence 0.05, it is obtained that the profitability of Fcount 28.249> Ftable 3.12 so that Ho is accepted, it means that product innovation and service quality together have a significant influence on the decision to buy batik Jambi Ariny.



Determination Test R²

 R^2 aims to measure how far the model's ability to explain the variation in the dependent variable. In this study, the calculation is to measure how far the ability of the independent variable to explain the dependent variable R^2

Table 8. Determination Test (R^2)					
Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	
1	,651ª	,423	,408	1,024	
a. Predictors: (Constant)					

From the analysis of data processing between variables (Product Innovation and Service Quality) on Purchasing Decisions in purchasing batik, it shows that the value of R = 0.651. This means that the variable correlation (Product Innovation and Service Quality) on the Purchase Decision in purchasing batik has a close and positive relationship because the correlation coefficient value is close to +1. The considered coefficient of determination (Adjusted R Square) is 0.408 or 40.8%, where the relationship that can be explained by the two independent variables, namely Product Innovation and Service Quality on Purchasing Decisions is 40.8%. While the remaining 59.2% is influenced or explained by other variables outside the independent variables used in this study

Discussion

The Influence of Product Innovation and Service Quality Partially on Purchasing Decisions in Jambi Ariny Batik in Pasir Panjang Village, Jambi City, Seberang.

1. Product Innovation

Based on the results of the previous t test, the t value for the Product Innovation variable was 4.257 and the t table value was 1.664 with a significance level of 0.000 because tcount> ttable (4.257> 1.664) and the significance value was less than 0.05 (0.000 <0.05). Ha is accepted, meaning that there is a partially significant influence between Product Innovation variables on Purchasing Decisions on Jambi Ariny batik in Pasir Panjang Jambi Village, Seberang City. Then the regression coefficient value of the Product Innovation variable () is positive at 0.168, meaning that if the other independent variable (Service Quality) is fixed and the Purchase Decision has increased by 1%, the Purchase Decision (Y) will increase by 16.8%. The coefficient is positive, meaning that there is a positive relationship between Product Innovation and Purchasing Decisions. From the description above, it can be concluded that there is a positive and partially significant influence between Product Innovation variables on Purchasing Decisions on Jambi Ariny batik in Pasir Panjang Jambi Village, Seberang City. This is in accordance with the opinion of Zhorif (2018), namely product innovation can increase purchasing decisions where if the value of an innovation increases, the purchase decision will increase.X_1

2. Service quality

Based on the results of the previous t-test, the t-test value for the Service Quality variable was 4.218 and the t-table value was 1.664 with a significance level of 0.000. Because tcount> ttable (4,218> 1,664) and a significance value less than 0.05 (0,000 < 0.05) then Ha is accepted, meaning that there is a partially significant influence between the Service Quality variable on the Purchase Decision on Batik Jambi Ariny in Pasir Panjang Village. Jambi City Seberang. Then the regression coefficient value of the Service Quality variable () is 0.209, which means that if the other independent variable (Product Innovation) is fixed and the Service Quality has increased by 1%, then Purchasing Decision (Y) will increase by 20.9%. The coefficient is positive, meaning that there is a positive relationship between Service Quality and Purchasing Decisions, the higher the Service Quality value, the more the Purchasing Decision value will be increased. From the description above, it can be concluded that there is a positive and partially significant influence between Service Quality variables on Purchasing Decisions on the purchase of Jambi Ariny batik in Pasir Panjang Jambi Village, Seberang City. This supports and is in accordance with the opinion of Kodu (2013) where the quality of service can improve purchasing decisions, in this case the purchase decision for the Toyota Avanza car. It can be concluded that there is a positive and partially significant influence between Service Quality variables on Purchasing Decisions on the purchase of Jambi Ariny batik in Pasir Panjang Jambi Village, Seberang City. This supports and is in accordance with the opinion of Kodu (2013) where the quality of service can improve purchasing decisions, in this case the purchase decision for the Toyota Avanza car. It can be concluded that there is a positive and partially significant influence between Service Quality variables on Purchasing Decisions on the purchase of Jambi Ariny batik in Pasir Panjang Jambi Village, Seberang City. This supports and is in accordance with the opinion of Kodu (2013) where the quality of service can improve purchasing decisions, in this case the purchase decision for the Toyota Avanza car.X_2



The Effect of Product Innovation and Service Quality Simultaneously on Service Quality in Jambi Ariny Batik in Pasir Panjang Jambi Village, Sebrang City

Based on the results of the F test (simultaneous) previously, it is known that the Fcount value is 28.249 and the F-table value is 3.12 with a significance level of 0.000. Because Fcount> Ftable (28.249> 3.12) and a significance value <0.05 (0.000 <0.05) then Ha is accepted, meaning that the Product Innovation and Service Quality variables simultaneously or together have a significant effect on Purchasing Decisions on batik purchases. Jambi Ariny in Pasir Panjang Village, Jambi City, Seberang. The influence of Product Innovation and Service Quality variables together on Purchasing Decisions can also be seen in the multiple correlation coefficient (R) of 0.651 or 65.1%, which means that the relationship between Product Innovation and Service Quality variables together on Purchasing Decisions is strong, and positive because it is more than 50%. While the coefficient of determination (R Square or R2) is 0.423 or 42.3%, which means the contribution of the two independent variables, namely Product Innovation and Service Quality, to the dependent variable, namely the Purchase Decision collectively (simultaneously) of 42.3%. While the remaining 57.7% is influenced or explained by other variables outside the independent variables used in this study. This is in accordance with the opinion of Zhorif (2018), where product innovation and service quality can jointly improve batik purchasing decisions While the remaining 57.7% is influenced or explained by other variables outside the independent variables used in this study. This is in accordance with the opinion of Zhorif (2018), where product innovation and service quality together can improve batik purchasing decisions While the remaining 57.7% is influenced or explained by other variables outside the independent variables used in this study. This is in accordance with the opinion of Zhorif (2018), where product innovation and service quality together can improve batik purchasing decisions

Conclusion

Based on the results of the analysis and discussion previously described, several conclusions can be drawn from the overall research results, namely as follows:

- 1. Based on the results of partial testing (t test) between Product Innovation () and Service Quality () variables on Purchasing Decisions (Y), it is found that the Product Innovation variable () has a positive and significant effect on Purchasing Decisions (Y).X_1 X_2 X_1
- 2. Based on the results of the F test, it can be concluded that the variable Product Innovation () and Service Quality () simultaneously have a significant effect on the Purchasing Decision variable (Y).X_1 X_2
- 3. Based on the Determination Test (Test R2) it was concluded that the Product innovation variable (X1) and Service Quality (X2) had a joint contribution of 42.3% to the Purchasing decision variable (Y)

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