The Effect of Organizational Innovation and Technological Innovation on the Quality of Animal Health Service and Their Impact on Organizational Performance in Aceh Livestock Department

*Yus Efendi, Amri, Ridwan

Management Department, Universitas Syiah Kuala, Indonesia *Corresponding Author

Abstract: This study aims to examine the effect of organizational innovation and technological innovation on organizational performance in the Aceh livestock department mediated by the quality of animal health service. The research population was 118 district/city animal health service officers in Aceh province. There were 128 officers chosen as the sample through the Slovin method. Data were analyzed by Structural Model Test. From the result we can see that the model tested proves that organizational innovation affects the service quality, technological innovation affects the service quality, organizational innovation affects organizational performance, technological innovation does not affect organizational performance, service quality affects organizational performance, service quality mediates the effect of organizational innovation on organizational performance, and service quality mediates the effect of technological innovation on organizational performance in the Aceh Livestock Department. The results also illustrate that service quality functions as a partial mediator on the effect of organizational innovation on organizational performance, and service quality functions as a full mediator on the effect of technological innovation on organizational performance. These results contribute academically to the development of a management model to improve organizational performance, which is a function of increasing organizational innovation variable either directly or through service quality, and the function of improving technological innovation to improve service quality, and ultimately will have an impact on improving organizational performance. For future researchers, research can be developed based on this tested model by adding variables such as organizational culture and organizational behavior.

Keywords: Organizational Innovation, Technological Innovation, Quality Of Animal Health Service, Organizational Performance.

I. INTRODUCTION

In line with Aceh Governor Regulation Number 127 of 2016, the Aceh livestock Department has a position as the regional apparatus implementing an element of Aceh government in the field of animal health and livestock. The organizational structure of the Aceh livestock department consists of the Head, Secretariat, Livestock Breeding and Production Division, Feed Sector, Animal and Veterinary Health Sector, Livestock Product Management and Marketing

Division, Reginal Technical Implementing Unit (UPTD), and Functional Position Groups.

Aceh livestock department has its vision and mission. The vision of the Aceh livestock department is to create a strong, independent, and competitive animal husbandry. Meanwhile, the mission of the Aceh livestock department is to optimize the prevention and control of livestock diseases, increase the quality of meat and egg independent production, improve the welfare of farmers, and carry out bureaucratic reforms in the field of animal health and livestock. Furthermore, the objectives of the Aceh livestock department are to improve the quality and quantity of livestock breeds, increase the capacity of farmers through livestock agribusiness, meet the consumption needs of livestock products, expand business opportunities and create employment in the livestock sector, and improve animal health status and veterinary public health.

According to (Sinambela, 2016), "organizational performance is the accumulation of Organizational Performance. According to (Nasucha, 2004), organizational performance is also defined as the overall effectiveness of the organization to meet the defined needs of each group regarding systematic efforts and continuously improve the organization's ability to achieve its needs effectively. Based on the two opinions above, the essence of organizational performance is a description of cooperative activities outcomes among members of the organization to pursue predetermined organizational goals.

Every organization will compete to win public interest in quality service. The failure of an organization to earn this will have an impact on the government's review of the organization as a whole because the organization formed by the government aims to actualize the government's agenda as well. According to (Nasution, 2015), service quality is an effort to fulfill customer needs and desires and the provision of delivery to balance customer expectations. (Zeithaml, Bitner, & Gremler, 2018) suggest the meaning of service quality, namely the delivery of services that are good or very good when compared to customer expectations. Service quality is the level of perfection that is expected and the control of that perfection to meet customer desires.

Animal health service is an animal health maintenance system that aims to improve the health status of livestock; provide guarantees for the safety of humans, animals, and the environment from the threat of animal diseases; avoid the possibility of risks that can interfere with the health of both livestock and non-food animals and increase responsiveness to the threat of animal diseases" (Ministry_of_Agriculture, 2007).

Animal health services in Indonesia are oriented to (LAW, 2009) concerning Animal Husbandry and Health. Animal health based on the Act means that all matters relating to animal care, animal treatment, animal health services, control and prevention of animal diseases, disease rejection, reproductive medicine, conservation medicine, veterinary medicine, and animal health equipment and feed safety.

External environmental conditions with a high level of uncertainty as well as an increasingly dynamic and complex environment have become the biggest trigger factors for many organizations to make new breakthroughs which are called innovations. Successful organizations are those that can adapt their internal structure to environmental characteristics.

The tendency of increasing innovation practices in organizations today and in the future is mostly caused by external environmental conditions, changes in the competitive environment, and so on. Previous research has shown that organizational innovation is the development and use of new ideas or behaviors related to new products, services, markets, and administration (Damanpour, 1991).

Aceh livestock department has made various breakthroughs in achieving organizational innovation towards the ideal organizational portion. In the actualization of organizational innovation, various facts are found that must find solutions for the better performance of the Aceh livestock department. The table below describes aspects of organizational innovation and its acquirement throughout 2020.

No.	Organizational Aspect	Actualization	Score *)
1.	Office equipment		
	Organizational structures:	Expanding in quality and quantity	+
2.	a. Chart	Slightly leaner but more duties and authority	-
2.	b. Number of employees	Remarkably decreasing but duties and authority increase	
	c. Task flow	No change, hierarchy	0
	d. Formal Communication	More frequently because office equipment is supportive	+
3.	Organizational culture	 Nepotism has not decreased Openness among fields decreases 	-
4.	Employees' work quality and motivation	Significantly increasing	+

Table 1. Organizational Innovation of Aceh livestock department 2020

5.	Budget	 Sufficiently increasing 	+
	Budget	- Spending on project	0
6.	Organizational	- Simple arrangement	0
0.	vision	 Lack of realization 	0
7.	Head department	 Oriented to duties 	+
7.	leadership	 More individualistic 	0
8.	Head of field	 Oriented to duties 	+
0.	leadership	 More individualistic 	0
9.	Decision making at	Not participatory	
9.	the service level	Not participatory	-
10.	Decision making at	- More rational	+
10.	the field level	 Less participative 	0
		More in line among fields because	
11.	Planning process	it is regulated by the Planning	+
		Subdivision	
12.	Governor's support	Very good	+
13	Effectiveness	Less effective because there are still	
15.	Effectiveness	inappropriate programs	-
		Inefficient because the duration of	
14.	Efficiency	work is long but the number of	-
		employees is reduced	
15.	Service image	The quality of the society is still	0
15.	Service mage	lacking	

Description: (+) = improve; (-) = worsen; and (o) = stable

Source: General Section of Aceh livestock department (2021)

Based on Table 1 above, it can be concluded that organizational innovations at Aceh livestock department are very useful to be implemented to achieve the organization's vision and mission although there are still many that are not actualized yet. With the enthusiasm of realizing the competence of the Aceh livestock department on organizational performance, it is expected that various organizational innovation agendas can be actualized in the future.

The majority of people interpret innovation as a new way with the help of devices and systems owned by technology. One of them, (Fontana, 2011) defines technological innovation, namely the characteristics associated with the post-industrialization period, including global competition, market fragmentation, production decentralization, pluralism, diversity (environment), automation, and flexibility in the production process based on speed and technological innovation and so on.

In this case, the Aceh livestock department has made use of technological innovations in its efforts to help farmers obtain livestock health services. This was taken to answer the expectations of the breeders to maximize results and fulfill the duties of the Aceh livestock department in its challenge of actualizing adequate health services.

Table 2. Technology Innovation and its Actualization of Aceh livestock
department 2020

Na	Tasha dasa Comunita	Planned	Actualization	
No.	Technology Components	%		
1.	Use of superior livestock seeds	100	87	
2.	Environment sanitation	100	83	
3.	Preservation/feed processing	95	90	
4.	Concentrate administration	85	85	

5.	Artificial insemination	90	85
6.	Utilization of agricultural waste for feed	95	95
7.	Utilization of waste/bokashi	95	80

Source: Aceh livestock department (2021)

Table 2 shows that the use of technology planning as a form of innovation that applies to farmers is still not as expected. That is proven by the realization of various technological component planning prepared by the Aceh livestock department in their implementation which is still far from satisfactory. Thus, concrete steps are needed for the future so that the planned technological innovations can be actualized following the targets that have been set.

To answer the various phenomena that occur in the Aceh livestock department environment as described above, the authors were interested to study "The Effect of Organizational Innovation and Technological Innovation on the Quality of Animal Health Service and Their Impact on Organizational Performance of Aceh Livestock Department"

II. LITERATURE REVIEW

Organizational Performance

According to (Steers, 2013), organizational performance is the level that shows how far the actual implementation of tasks can be carried out so the organization's mission can be achieved. Meanwhile, according to (Mahsun, 2012), organizational performance is a description of achievement level in implementing activity/program/policy to accomplish the goals, objectives, mission, and vision of the organization contained in the strategic planning of an organization. The organizational performance indicators according to (Dwiyanto, 2012), namely productivity, service quality, responsiveness, responsibility, and accountability.

Quality Service

Service quality focuses on the attempts to fulfill customer needs and desires as well as delivery accuracy to balance customer expectations (Tjiptono, 1996). Gronroos in (Tjiptono, 1996) stated that the perceived quality of service consists of two main dimensions, namely dimension related to the perceived quality of service outputs by customers and dimension related to the quality of service delivery. There are several indicators of service quality according to (Zeithaml et al., 2018), namely adequate equipment and supplies in health services, reliability of officers at work, responsiveness in providing services, knowledge of officers at work, and attention of officers and staff comfort provided during the service.

Organizational Innovation

(Varadarajan & Jayachandran, 1999) explained the concept of organizational innovation refers to a set of beliefs and ways of working that influence an organization's view of how innovation and change should be handled. While (Amabile, Conti, Coon, Lazenby, & Herron, 1996) says that organizational innovation is the successful application of creative ideas in companies and organizational mechanisms to adapt in a dynamic environment. Thus, organizations are required to be able to create assessments as well as new ideas and offer innovative products. According to (Hameed, Ramzan, Zubair, Ali, & Arslan, 2014), the indicators of innovation in an organization consist of; organizational size, top management support, technology, information and communication infrastructure, and employees' expertise.

Technological Innovation

Based on (Subramani, 2004), technological innovation can be defined as the adoption of a new idea to build a new product or service and a new way of building an organization's production process or service operation. The idea must be implemented through an adoption process. The adoption is the decision to use the innovation as a whole as the best way of action (Higa, Sheng, Hu, & Au, 1997). According to (Subramani, 2004), technological innovation has several indicators, including work equipment, automation and Electronic Processing (e-Government), office applications and management information systems, and administrative information systems.

Research Framework and Hypothesis

From the literature, the authors formulated the research framework and hypothesis as follows.

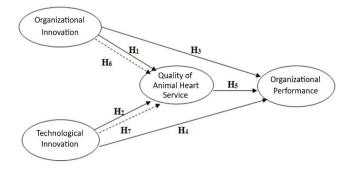


Figure 1. Research Framework

- H1: organizational innovation affects the quality of animal health services in the Aceh Livestock Department.
- H2: technological innovation affects the quality of animal health services in the Aceh Livestock Department.
- H3: Organizational innovation affects organizational performance in the Aceh Livestock Department.
- H4: technological innovation affects organizational performance in the Aceh Livestock Department.
- H5: service quality affects organizational performance in the Aceh Livestock Department
- H6: Service quality mediates the effect of organizational innovation on organizational performance in the Aceh Livestock Department.
- H7: Service quality mediates the effect of technological innovation on organizational performance in the Aceh Livestock Department.

III. RESEARCH METHOD

Population and sample

The population of this research was 188 district/city livestock department officers in Aceh Province. There were 128 officers as the sample using the Slovin method.

Operation Variable

The variables formulated in this study consist of the independent variable, namely organizational innovation (X1), technological innovation (X2), and the dependent variable, namely organizational performance (Y) and service quality (Z) as described in the following table.

Table 3. Research Operational Variable

N o	Variable Definition	Indicator				
End	Endogenous Variable					
1	Y: Organizational Performance organizational performance is a description of achievement level in implementing activity/program/ policy to accomplish the goals, objectives, mission, and vision of the organization contained in the strategic planning of an organization, Mahsun (2016)	 Productivity Service quality Responsiveness Responsibility Accountability Dwiyanto (2016) 				
Exe	ogenous Variable					
2	X ₁ : Organizational Innovation Organizational innovation is the successful application of creative ideas in companies, organizational mechanisms to adapt in a dynamic environment. Thus, organizations are required to be able to create assessments as well as new ideas and offer innovative products, Amabile (2016)	 Organizational size, Top management support Technology, information and communication infrastructure, Employees' expertise. (Hameed <i>et al</i>, 2017) 				
3.	X2: technological innovation technological innovation can be defined as the adoption of a new idea to build a new product or service and a new way of building an organization's production process or service operation, Subramanian and Nilikanta in Abdiaziz and Ali (2016)	 Work equipment Automation and electronic processing (e-government), Office applications and management information systems Administrative information systems, (Subramanian and Nilikanta in Abdiaziz and Ali, 2016) 				
Inte	erveing Variable					
4	Z: service quality Service quality is all forms of activities carried out by the company to meet consumer expectations. Services are provided by the owner in the form of convenience, speed, relationship, ability, and hospitality shown through the attitude and nature of providing services to meet consumer quality (Firdian, <i>et.al.</i> , 2017: 52).	 adequate equipment and supplies in health services reliability of officers at work responsiveness in providing services knowledge of officers at work, and attention of officers and staff comfort provided during the service (Zeithaml, Parasuraman, and Berry in Tjiptono (2016), 				

Source: Noor, (2015)

Data Analysis Technique

The data analysis technique used in this research was Structural Equation Modelling (SEM) with the help of the Statistical Package for the Social Science Software Analysis of Moment Structures (SPSS-AMOS-22). This study used SEM because the development of this research model had variables that connect exogenous variables to endogenous variables. The connecting variable was the quality of animal health services. While the exogenous variables in this study were organizational innovation and technological innovation and the endogenous variable was organizational performance.

Respondents Perception Analysis

In order to conclude the results of each variable whether it falls into high, mid, and low categories, we need to determine the interval scale (Sekaran & Bougie, 2016), as mention in the following table:

Average Score	Category
1.00 - 1.80	Poor
1.81 - 2.60	Fair
2.61 - 3.40	Good
3.41 - 4.20	Very Good
4.21 - 5.00	Excellent

Source: Sugiyono (2016)

Confirmatory Factor Analysis (CFA) Testing

CFA is used to test the un-dimensionality of a theoretical construct. This analysis is often called testing the validity of a theoretical construct. The purpose of CFA is to confirm or to examine the model, that is, a measurement model whose formulation is derived from theory. Thus, CFA is said to have a study focus on whether the conceptualized indicators are un-dimensional, precise, and consistent; and whether dominant indicators forming the construct under study. (Ghozali, 2018).

The Goodness of Fit (GOF)

The goodness of fit index can be used to test the feasibility of a research model (Haryono, 2017):

Table 5. Goodness of Fit

No	The goodness of Fit Index	Cut off Value	Criteria
1.	DF	> 0	Over Identified
2.	Probability	> 0.05	Fit
3.	CMIN/DF	< 2	Fit
4.	GFI	≥ 0.90	Fit
5.	AGFI	≥ 0.90	Fit
6.	CFI	≥ 0.90	Fit
7.	TLI	≥ 0.90	Fit
8.	IFI	≥ 0.90	Fit
9.	RMSEA	≤ 0.08	Fit
10.	RMR	≤ 0.05	Fit

Source: (Haryono, 2017)

IV. RESULT

Research Validity and Reliability

Table 6. The Result of Validity Testing

No. Statement		Variable	Correlatio n coefficient	Critical Value 5% (N=128)	Validi ty
1.	IO1		0.833		
2.	IO2	Organizational Innovation	0.876	0.1736	Valid
3.	IO3	(X1)	0.776	0.1736	vand
4.	IO4	(211)	0.739		
5.	IT1		0.693		
6.	IT2	Technological	0.577		
7.	IT3	Innovation	0.622	0.1736	Valid
8.	IT4	(X2)	0.738		
9.	IT5		0.618		
1 0.	KP1		0.714		
1 1.	KP2	Service	0.853		
1 2.	KP3	Quality (Z)	0.841	0.1736	Valid
1 3.	KP4	(2)	0.309	0.1750	vanu
1 4.	KP5		0.837		
1 5.	KO1		0.826		
1 6.	KO2		0.795		
1 7.	KO3	Organizational Performance	0.825		
1 8.	KO4	(Y)	0.628	0.1736	Valid
1 9.	KO5		0.448		
2 4.	KO6		0.394		

Source: Processed Primary Data (2021)

Table 6 above shows that all the variables used in this study are valid because they have a correlation coefficient above the critical value of the product-moment correlation, which is 1.736 so all questions contained in this research questionnaire are valid for further in-depth research. Thus, all indicator items of each variable in this study have met the requirements for further testing.

Reliability Testing

Table 7. Reliability of research variable (Alpha)

No	Variable	Variable Item	Alpha Value	Reliability
1.	Organizational Innovation (X1)	4	0,883	Reliable
2.	Technological innovation (X2)	5	0,657	Reliable
3.	Service Quality (Z)	5	0,853	Reliable
4.	Organizational Performance (Y)	6	0,752	Reliable

Source: Processed Primary Data (2021)

Based on table 7 above, the alpha value for each respondent's perception variable shows that organizational

innovation (X1) obtained an alpha value of 0.883, technological innovation (X2) obtained an alpha value of 0.657, service quality (Z) obtained an alpha value of 0.853, and organizational performance (Y) obtained a value of 0.752. This reliability proves that all indicators of the research variables meet the credibility of Cronbach Alpha where the alpha value is greater than Alpha 0.60.

Confirmatory Factor Analysis (CFA)

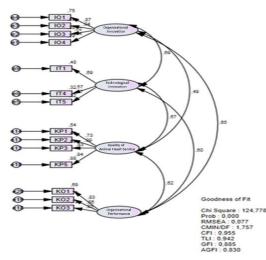


Figure 2. Confirmatory Factor Analysis for Research Construct

Table 8. Loading Factor After eliminating Indicators

			Estimate
IO4	<	Organizational Innovation	.537
IO3	<	Organizational Innovation	.616
IO2	<	Organizational Innovation	.944
IO1	<	Organizational Innovation	.868
IT5	<	Technological innovation	.568
IT4	<	Technological innovation	.569
IT1	<	Technological innovation	.692
KP5	<	Service Quality	.936
KP3	<	Service Quality	.830
KP2	<	Service Quality	.989
KP1	<	Service Quality	.733
KO3	<	Organizational Performance	.850
KO2	<	Organizational Performance	.857
KO1	<	Organizational Performance	.832

Source: Processed Primary Data (2021)

Based on the results show in Table 8 above, all indicators have met the requirements to be included in the next data processing because all loading factor values are > 0.5.

The goodness of Fit Evaluation Criteria

Table 9. Feasibility Test Results Measurement 1	Model
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The goodness of Fit Index	Cut off Value	Result	Model Evaluation
Chi-Square	< 240,995	94.247	Good
Probability	$\geq 0,05$	0.193	Good
RMSEA	$\leq 0,08$	0.066	Good
GFI	$\geq 0,90$	0.960	Good
AGFI	$\geq 0,90$	0.993	Good
CMIN/DF	$\leq 2,00$	1.172	Good
TLI	$\geq 0,90$	0.910	Good
CFI	≥ 0.90	0.930	Good

Source: Processed Primary Data (2021)

Based on table 9 above, shows that the results of the measurement model analysis obtain the value of chi-square = 94.247 at probability = 0,193 classified as fit. Meanwhile χ^2 /df=1,172; RMSEA=0.066; GFI=0.960; TLI=0.910; AGFI=0.993; and CFI = 0.930 has met the criteria and the value indicates fit. In general, by using the Goodness of Fit test, it can be concluded that the existing measurement model has met the fit criteria so that the outputs from this model can be used as research findings related to the relationship between indicators and their respective constructs.

Structural Model Test

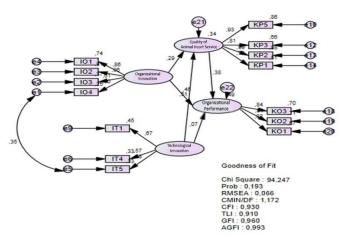


Figure 3. Structural Model Test

Based on the figure above, it can be concluded that there is an effect toward each variable, which are organizational innovation and technological innovation on organizational performance also the indirect effects on organizational performance through animal health service quality. Hypothesis Testing

Table 10. Regression Weight

		Estimate	S.E.	C.R.	Р	
service quality	<	organizational innovation	0.291	0.132	3.088	0.002
service quality	<	technological innovation	0.505	0.212	3.983	0.000
organizational performance	<	organizational innovation	0.457	0.114	4.188	0.000
organizational performance	<	technological innovation	0.070	0.144	0.611	0.541
organizational performance	<	service quality	0.504	0.077	3.692	0.000

Source: Processed Primary Data (2021)

Based on the results in table 10 above, it formulates the following equations.

Service quality innovation	=	0.291 organizational
Service quality innovation	=	0.505 technological

Organizational performance = 0.457 organizational innovation + 0.070 technological innovation + 0.504 service quality

From these results, it can also be explained that each hypothesis answer is as follows.

H1 : Organizational Innovation Affecting Service Quality

The effect of organizational innovation on service quality obtains a CR value of 3.088 with a significance level of 0.002. Thus, it indicates that changes in organizational innovation have a significant impact on service quality.

The coefficient of 0.291 proves that an increase of 1 unit in organizational innovation will have an impact on increasing service quality by 0.291 units.

H2 : Technological Innovation Affecting Service Quality

The effect of technological innovation on service quality obtains a CR value of 3.983 with a significance level of 0.000. Thus, it indicates that changes in technological innovation have a significant impact on service quality. The coefficient of 0.505 proves that an increase of 1 unit in technological innovation will have an impact on increasing service quality by 0.5051 units.

<u>H3</u> : Organizational Innovation Affecting Organizational <u>Performance</u>

The effect of organizational innovation on organizational performance obtains a CR value of 4.188 with a significance level of 0.000. Thus, it indicates that changes in organizational innovation have a significant impact on organizational performance. The coefficient of 0.457 proves that an increase of 1 unit in organizational innovation will have an impact on increasing organizational performance by 0.457 units.

<u>H4</u> : Technological Innovation Affecting Organizational <u>Performance</u>

The effect of technological innovation on organizational performance obtains a CR value of 0.611 with a significance level of 0.541. Thus, it reveals that technological innovation does not affect organizational performance. The effect of technological innovation on service quality is 0.070 or 7%. This is proven by the improvement of technological innovation in providing a positive and significant impact on increasing organizational performance. This also illustrates the very small influence of Technological Innovation on Organizational Performance, in line with the results of the p-value which is also not significant.

H5 : Service Quality Affecting Organizational Performance

The effect of service quality on organizational performance obtains a CR value of 3.692 with a significance level of 0.000. Thus, it indicates that changes in service quality have a significant impact on organizational performance.

The coefficient of 0.504 proves that an increase of 1 unit in service quality will have an impact on increasing organizational performance by 0.504 units.

<u>H6 : Service Quality Mediates the effect of Organizational</u> <u>Innovation on Organizational Performance</u>

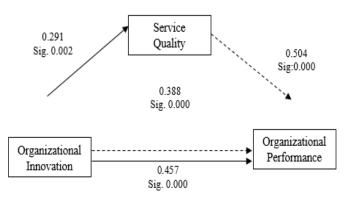
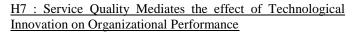


Figure 4. Mediation Effect Testing of Organizational Innovation on

Organizational Performance through Service Quality

Based on the figure above, it is found that the path coefficient between organizational innovation and animal health service quality shows a path coefficient value of 0.291,

while the path coefficient of animal health service quality on organizational performance is 0.504. The path coefficient between organizational innovation and organizational performance is 0.457. Because of the direct effect of organizational innovation on organizational performance, organizational innovation on service quality, and service quality on organizational performance all three are significant at 5%, it can be concluded that service quality acts as a variable that partially mediates the relationship between organizational innovation on organizational performance.



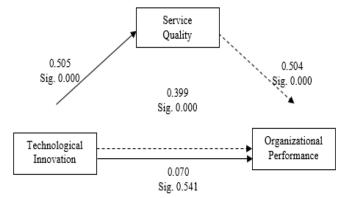


Figure 5. Mediation Effect Testing of Technological Innovation on

Organizational Performance through Service Quality

Based on the figure above, it is found that the path coefficient between technological innovation and animal health service quality shows a path coefficient value of 0.505, while the path coefficient of animal health service quality on organizational performance is 0.504. The path coefficient between technological innovation and organizational performance is 0.070. Because the direct effect of technological innovation on organizational performance isn't significant at 5%, technological innovation on service quality and service quality on organizational performance both are significant at 5%, it reveals that service quality acts as a variable that fully mediates the relationship between technological innovation on organizational performance.

Meanwhile, the conclusion of mediation testing in this study is described in the following table:

Table 11	. Mediation	Testing	Result
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No	Hypothesis	Direct effect X to Y	Direct effect X to Z	Indirect effect X to Z	Desc.
1	Testing the effect of organizational innovation (X1) on organizational performance (Y) through service quality (Z)	0.457 (0.000<0.05)	0.291 (0.002<0.05)	0.388 (0.000<0.05)	Partially Mediating

2	Testing the effect of technological innovation (X2) on organizational performance (Y) through service quality (Z)	0.070 (0.541>0.05)	0.505 (0.000<0.05)	0.399 (0.000>0.05	Fully Mediating	
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***, Significance at 5%

Based on table 11 above, a brief conclusion can be drawn that testing the effect of organizational innovation variable (X1) on organizational performance variable (Y) through service quality variable (Z) shows the correlation of partial mediating, which means organizational innovation can directly impact the organizational performance without going through service quality.

Conversely, the effect testing of technological innovation (X2) on organizational performance (Y) through service quality (Z) shows the correlation of full mediating, which means technological innovation isn't able to directly impact organizational performance without going through service quality.

V. CONCLUSION

From the result we can see that in the model tested proves organizational innovation affects the service quality, technological innovation affects the service quality, organizational innovation affects organizational performance, technological innovation does not affect organizational service quality affects organizational performance, performance, service quality mediates the effect of organizational innovation on organizational performance, and service quality mediates the effect of technological innovation on organizational performance in the Aceh Livestock Department. The results also illustrate that service quality functions as a partial mediator on the effect of organizational innovation on organizational performance, and service quality functions as a full mediator on the effect of technological innovation on organizational performance. These results verify the previous causality theory where there is a significant influence between variables, but technological innovation is proven to be unable to significantly affect organizational performance variables directly, it must be through the service quality variable. These results contribute academically to the development of a management model to improve organizational performance, which is a function of increasing organizational innovation variable either directly or through service quality, and the function of improving technological innovation to improve service quality, and ultimately will have an impact on improving organizational performance. For future researchers, research can be developed based on this tested model by adding variables such as organizational culture and organizational behavior.

This also contributes to practical management, especially in the subject of this research, namely the Aceh Livestock Department. This also contributes to practical management, especially in the subject of this research, namely the Aceh Livestock Department. Several suggestions are recommended based on the results for the research subject, as follows.

1. In terms of organizational innovation, Aceh Livestock Department should improve the capabilities of its veterinary clinics so they are more representative, with easy access to them through hotline services and websites that always update the information.

- 2. On the technological innovation variable, Aceh Livestock Department should improve the capacity of its human resources in terms of reporting to SIKHNAS (*Integrated National Animal Health Information System*) because late reporting often happened when the majority of helpdesk officers encounter difficulties in carrying out their duties.
- 3. On the variable of animal health service quality, some indicators still need to be improved, such as the need to improve livestock officers who have standardization and qualifications based on their field of expertise at Aceh Livestock Department. This is quite important to provide quality animal health services.
- 4. On the organizational performance variable, the Aceh livestock department still doesn't complete Standard Operating Procedure (SOP) for public services, so it is expected to make improvements to achieve performance standards for community services.

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