BUSINESS PROCESS REENGINEERING PROCUREMENT MATERIALS WAREHOUSE IN PT TELKOM PEKALONGAN

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Abstract

Telkom Pekalongan carries out four main business processes: warehouse material procurement, employee recruitment, Wi-Fi service installation, and Wi-Fi service termination. These four processes are crucial to ensure that material supplies continue to exist and are obtained at low prices, obtain a qualified workforce to fulfill the company's vision and mission, and provide fast and strong internet services for customers. Telkom Pekalongan has established itself as a leading, respected brand in the Indonesian telecommunications industry due to its commitment to continue to grow and develop its business operations. This research is expected to be a learning medium for other companies to learn from Telkom Pekalongan to then understand the importance of business processes and find out how best to implement them. The research method used in this study is mixed methods, bearing in mind that this research uses both qualitative and quantitative methods simultaneously. The findings of this study conclude that Telkom Pekalongan's procurement business process, which is considered very good, experiences problems in the flow of its activities, resulting in inefficient business operations and ineffective business processes. Therefore, activities involving task composition and automation need to be redesigned. Later, after the activity has been redesigned and re-executed, business processes will require lower costs and time, so that business operations can run more efficiently.

Kata Kunci: Telkom Pekalongan, Business Process, Procurement Of Goods

INTRODUCTION

Telkom Pekalongan is a telecommunications company in Indonesia that has four business processes that will be discussed, which include warehouse materials procurement, employee recruitment, installation of wifi, and uninstallation of wifi services. These services are essential to ensure a constant supply of necessary materials, acquire a highly skilled workforce, and provide fast and reliable internet services to its customers.

With a well-established procurement process, Telkom Pekalongan acquires quality products at the best prices, which helps in reducing the overall cost of operations. The company understands the importance of having a highly skilled and talented workforce to

achieve its goals and ensures to hire the best talent available in the market. Additionally, by offering installation and uninstallation of wifi services, Telkom Pekalongan has become a leading provider of internet services in Indonesia. Through its commitment to providing quality services, the company has established itself as a trusted name in the telecommunications industry in the country.

One of the challenges that many businesses face is ensuring the effectiveness of their business processes. The question arises as to what factors contribute to the success of these processes, and how they can be improved to achieve better results. This is where Telkom Pekalongan comes in with its efficient business processes in warehouse materials procurement, employee recruitment, and

installation/uninstallation of wifi services. The problem then becomes how to identify the

factors that contribute to the effectiveness of these processes and how to measure their success.

The purpose of studying Telkom Pekalongan's business processes is to gain insights into how they work and identify areas for improvement. This study can help businesses understand how to optimize their own processes and achieve better results. By examining Telkom Pekalongan's procurement,

recruitment, and wifi installation processes, businesses can learn from their best practices and apply them to their own operations.

The benefits of understanding Telkom Pekalongan's business processes are numerous. By identifying the factors that contribute to their success, businesses can optimize their own processes, reduce costs, and increase efficiency. The use of business process models can help visualize the workflow and identify areas of improvement. By implementing best practices from Telkom Pekalongan, businesses can improve their overall performance and achieve their goals more effectively.

This study relies heavily on business process models, which may not fully capture the complexities and nuances of real-world business operations. It is important to note that the effectiveness of a business process cannot solely be determined by its model and that other factors, such as human expertise technology, can also play a significant role.

Human expertise and technology are crucial elements that contribute to effectiveness of any business process. However, relying too much on either of these factors can also be a bad thing.

Over-reliance on human expertise can lead to inconsistencies and errors in the business process. This is because humans are prone to making mistakes, and their expertise may not always be up to date with the latest developments in the industry. On the other hand, relying too much on technology can lead to automation bias, where operators blindly trust the technology, leading to incorrect decisions and outcomes.

RESEARCH METHODS

Both qualitative and quantitative methods were used in this study. The qualitative method was used to collect data in the form of monthly and fixed costs, while the quantitative method was used to make calculations to determine Time, Cost, and Utilization in the outcomes of the lab simulation analysis.

RESULTS AND DISCUSSION **Procurement Materials Process Business**

Tabel 1 Qualitative Analyisis Procurement Materials **Process Business**

No	Aktivitas	Klasifikasi	Analisis
		Aktivitas	Aktivitas
1	Partner make BAPPB Form and send it to Warehouse Manager	BVA	It doesn't directly add value but is essential for the business operation and compliance purposes.
2	Warehouse manager inspect the BAPPB	BVA	The inspection of the BAPPB form by the Warehouse Manager is a crucial step for the internal operations of the company. This activity is necessary to ensure that the goods received match what's documented in the BAPPB form, helping to maintain accurate inventory records, which is crucial for effective

No	Aktivitas	Klasifikasi Aktivitas	Analisis Aktivitas
		111111111111111111111111111111111111111	inventory
			management.
3	Warehouse Manager send the BAPPB to Warehouse Staff	NVA	Sending the document from the Warehouse Manager to Warehouse Staff might not be essential for the business operation or compliance purposes. This process could potentially be automated or eliminated through a shared document system or a more streamlined
4	Warehouse Staff receive the BAPPB Form	NVA	This activity doesn't add any value. On the other hand, the receiving of the BAPPB form by the Warehouse Staff may seem like a necessary step in the current process, but it may not be essential for efficient business operations or regulatory compliance.
5	Warehouse Staff check the material stock	VA	Ensuring that there's adequate stock is essential to the delivery of products or services. If there's not enough stock to fulfill orders, it could lead to delays or

No	Aktivitas	Klasifikasi	Analisis
		Aktivitas	Aktivitas
		Aktivitas	unfulfilled orders. This activity also adds value from the business's perspective. It's an important step in managing inventory, preventing stock- outs, planning for replenishment, and ensuring smooth
6	If the material stock available, Warehouse Staff take the materials out from warehouse and make the BAPPB Form	BVA	operations. The BAPPB form is an important document for internal operations and potential regulatory compliance, but it doesn't directly add value
7	Warehouse Staff send BAPPB Form to Warehouse Manager	NVA	This activity is essentially a handoff or a transfer of a document within the organization. It doesn't directly add value for next activity. Additionally, the sending of the document from the Warehouse Staff to the Warehouse Manager might not be essential for the business operation or compliance purposes. This process could potentially be

No	Aktivitas	Klasifikasi	Analisis
110	TAKUTTUAS	Aktivitas	Aktivitas
		AKtivitas	automated or
			eliminated
			through a shared
			document system
			or a more
			streamlined
			process.
8	Warehouse	NVA	This activity
0	Manager	INVA	doesn't add any
	receive		value. On the
	BAPPB		other hand, the
	Form		receiving of the
	1 OIIII		BAPPB form by
			the Warehouse
			Manager may
			seem like a
			necessary step in
			the current
			process, but it
			may not be
			essential for
			efficient business
			operations or
			regulatory
			compliance.
9	Warehouse	BVA	The signing of
	Manager	DVA	the BAPPB form
	signed the		by the
	BAPPB		Warehouse
	Form and		Manager is an
	send it to		important step for
	partner		the internal
	partitor		operations of the
			company and
			may be necessary
			for compliance
			purposes. The
			signature
			signifies that the
			Warehouse
			Manager has
			approved the
			contents of the
			form, which
			could be an
			important control
			measure for the
			company.
10	Partner take	VA	The movement of
_	the materials		materials out of
	from		the warehouse
	warehouse		directly
			contributes to the
			continues to the

No	Aktivitas	Klasifikasi	Analisis	
		Aktivitas	Aktivitas	
			product or	
			service they are	
			purchasing. It's	
			important to note	
			that while this	
			activity adds	
			value, it should	
			still be performed	
			as efficiently as	
			possible.	
11	Procurement	VA	The completion	
	process is		of the	
	finished		procurement	
			process is a	
			crucial step in	
			ensuring the	
			availability and	
			delivery of the	
			products or	
			services. The	
			procurement	
			process ensures	
			that the necessary	
			materials or	
			goods are	
			available for	
			production or	
			delivery, which	
			directly	
			contributes to the	
			customer	
			receiving their	
			desired product	
			or service.	
12	If stock not	BVA	The creation and	
	available,		sending of a	
	Warehouse		Purchase Order	
	Staff create		(PO) to the	
	material PO		supplier is an	
	Document,		essential step in	
	and send it to		the procurement	
	supplier		process to ensure	
	• •		the availability of	
			materials or	
			goods. This	
			activity	
			contributes to the	
			smooth operation	
			of the business	
			and is necessary	
			for managing	
			inventory and	
			, , , , , , , , , , , , , , , , , , , ,	

No	Aktivitas	Klasifikasi	Analisis
		Aktivitas	Aktivitas
			fulfilling
			customer orders.
13	Supplier	BVA	This activity
	receive		doesn't add
	material PO		business value.
	Document		The company's
			operations are not
			directly
			improved or
			made more
			efficient by the
			supplier
			receiving the PO.
14	Supplier	VA	This activity is a
	make the		crucial step in the
	materials and		supply chain that
	send it to		ensures the
	Warehouse		necessary
	Staff		materials or
			goods are
			available for
			production or
			delivery.
15	Warehouse	BVA	Receiving the
	Staff receive		materials ensures
	the material		that they have
	and check the		arrived at the
	material, is it		warehouse and
	same or not.		are available for
			use, while
			checking the
			materials against
			the order is a
			crucial quality
			control measure.
			It helps prevent
			errors, such as
			wrong materials
			or quantities,
			which could
			impact
			production and customer
			satisfaction.
16	If 1100 41	DVA	
16	If yes, then	BVA	The BAPPB form
	Warehouse Staff take the		is an important
	material out		document for internal
	and make the		
	and make the		operations and
			potential

No	Aktivitas	Klasifikasi	Analisis
110	AKIIVIIAS	Aktivitas	Aliansis Aktivitas
	BAPPB	ARIIVIIAS	regulatory
	Form		compliance.
	TOITI		However, if this
			form is essential
			for tracking the
			movement of
			goods within the
			warehouse and
			ensuring accurate
			_
17	If no than	BVA	inventory records
1 /	If no, then Warehouse	DVA	This activity is crucial for the
	Staff start the		business
	return		operation.
	process		Having a return
			process in place
			is necessary for
			managing
			incorrect
			deliveries,
			maintaining
			quality standards,
			and ensuring
			accurate
			inventory levels.
			While it's a step
			that businesses
			aim to avoid,
			when it's
			necessary, it's an
			important part of
			ensuring the
			business can
			deliver the right
10	G 1:	NIXIA	product.
18	Supplier	NVA	This step is,
	receive the		however,
	return		necessary for the
	material		supplier to
	document		acknowledge the
			return and correct
			the error. So,
			from the
			supplier's
			perspective, it
			could be
			considered a
			BVA or even
			VA, but from the
			perspective of the

BAPPB form might be processed and

No	Aktivitas	Klasifikasi	Analisis
		Aktivitas	Aktivitas
			initial company,
			it's an NVA
			activity. The goal
			in process
			improvement
			efforts would be
			to ensure this step
			is performed as
			efficiently and
			effectively as
			possible to
			prevent any
			delays or issues
			in the
			procurement
			process.
19	Supplier	VA	The creation and
	make the		delivery of the
	materials		materials directly
	again and		contributes to the
	send it to		product or
	Warehouse		service they are
	Staff		purchasing. This
			activity is a
			crucial step in the
			supply chain that ensures the
			necessary materials or
			goods are
			available for
			production or
			delivery.

Redesign Analysis

Tabel 2. Redesign Analysis Procurement Business Process

N	Redesi	Activ	ities	Rede	sign	Possibi
0	gn			Rea	son	lity
	Level					
1	Task	1.	Ware	These		Implem
	Level		hous	tasks		ent
			e	might	be	
			mana	conso	lidat	
			ger	ed into	o one	
			inspe	task	or	
			ct the	omitte	ed	
			BAP	altoge	ther	
			PB	since	they	
				seem		
				unnec	essar	
				у.	The	

		and	
		examined	
		simultaneo	
		usly by	
		employing	
		an	
		automated	
		system,	
		doing	
		away with	
		the	
		requireme	
		nt for	
		separate	
		inspection	
		_	
2	Ware	S. A real-	Possibl
2.			
	hous	time	e
	e Staff	inventory	
		manageme	
	chec	nt system	
	k the	that tracks	
	mater	stock	
	ial	levels	
	stock	automatica	
		lly could	
		automate	
		this	
		process.	
		By doing	
		so, manual	
		inspection	
		s would	
		take less	
		time and	
		there could	
		be fewer	
		stock outs.	
3.	Supp	The	Possibl
	lier	delivery of	e
	make	products	
	the	will be	
	mater	more	
	ials	timely if	
	and	you know	
	send	the	
1	it to	shortest	
	Ware	route to	
	hous	your	
	hous e	your destination	
	hous		

2	Flow Level	1.	Ware hous e Staff recei ve the mater ial and chec k the mater ial	won't lose time if you can avoid roadblocks like traffic jams. This will also make the procedure of shipping goods more timely. By establishin g quality controls at the supplier's end, this activity might be made better while requiring fewer inspection s after delivery.	Challen
3	Proces s Level	1.	If stock not avail able, Ware hous e Staff creat e mater ial PO Docu ment,	.When stock levels drop below a predetermined level, the process of generating a PO document might be automated to happen. This would	Challen

and	enable	
send	restocking	
it to	more	
suppl	quickly	
ier	and lessen	
	the	
	possibility	
	of supply	
	shortages.	

The activity element is one of many factors that, in my opinion, must be taken into account when purchasing goods. It is advisable to complete tasks all at once in order to prevent the creation of new tasks and to maximize the use of time. The continuing business operations move forward rather swiftly by merging between activities. Additionally, the conversion of paper documents into digital products through digitization helps hasten the flow of information from one location to another. Using digital items rather than paper can also reduce costs. Using Google Maps to locate the warehouse address can also help drivers save money by eliminating the need to confirm the address with the warehouse workers. This can also save time. The cost and time are greatly decreased after the redesign, as can be shown when the simulation method is used to bizagi.

CONCLUSION

According to simulations performed in bizagi, the goods procurement business process has issues with the flow of activities that run inefficiently, making business processes ineffective. This necessitates redesign activities in the form of automation and task composistion, and after carrying out redesign activities, it results in reduced costs and time, making it more effective.

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