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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 and technology, can also play a significant role.

Human expertise and technology are crucial elements that contribute to the 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

	Process Business							
No	Aktivitas	Klasifikasi	Analisis					
		Aktivitas	Aktivitas					
1	Partner make	BVA	It doesn't directly					
	BAPPB		add value but is					
	Form and		essential for the					
	send it to		business					
	Warehouse		operation and					
	Manager		compliance					
			purposes.					
2	Warehouse	BVA	The inspection of					
	manager		the BAPPB form					
	inspect the		by the					
	BAPPB		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	Analisis]	No	Aktivitas	Klasifikasi	Analisis
		Aktivitas	Aktivitas	-			Aktivitas	Aktivitas
			inventory					unfulfilled
-	XX / 1		management.					orders. This
3	Warehouse	NVA	Sending the document from					activity also adds value from the
	Manager							business's
	send the BAPPB to		the Warehouse					perspective. It's
	Warehouse		Manager to Warehouse Staff					an important step
	Staff		might not be					in managing
	Stall		essential for the					inventory,
			business					preventing stock-
			operation or					outs, planning for
			compliance					replenishment,
			purposes. This					and ensuring
			process could					smooth
			potentially be					operations.
			automated or		6	If the	BVA	The BAPPB form
			eliminated			material		is an important
			through a shared			stock		document for
			document system			available,		internal
			or a more			Warehouse		operations and
			streamlined			Staff take the		potential
			process.			materials out		regulatory
4	Warehouse	NVA	This activity			from		compliance, but it
	Staff receive		doesn't add any			warehouse		doesn't directly
	the BAPPB		value. On the			and make the		add value
	Form		other hand, the			BAPPB		
			receiving of the		-	Form		
			BAPPB form by		7	Warehouse	NVA	This activity is
			the Warehouse			Staff send		essentially a
			Staff may seem			BAPPB		handoff or a
			like a necessary			Form to Warehouse		transfer of a document within
			step in the current process, but it			Manager		the organization.
			may not be			Manager		It doesn't directly
			essential for					add value for next
			efficient business					activity.
			operations or					Additionally, the
			regulatory					sending of the
			compliance.					document from
5	Warehouse	VA	Ensuring that	1				the Warehouse
	Staff check		there's adequate					Staff to the
	the material		stock is essential					Warehouse
	stock		to the delivery of					Manager might
			products or					not be essential
			services. If					for the business
			there's not					operation or
			enough stock to					compliance
			fulfill orders, it					purposes. This
			could lead to					process could
			delays or					potentially be

.....



No	Aktivitas	Klasifikasi	Analisis	Γ	No	Aktivitas	Klasifikasi	Analisis
		Aktivitas	Aktivitas				Aktivitas	Aktivitas
			automated or					product or
			eliminated					service they are
			through a shared					purchasing. It's
			document system					important to note
			or a more					that while this
			streamlined					activity adds value, it should
8	Warehouse	NVA	process. This activity					still be performed
0	Manager	INVA	doesn't add any					as efficiently as
	receive		value. On the					possible.
	BAPPB		other hand, the	-	11	Procurement	VA	The completion
	Form		receiving of the			process is	V I I	of the
			BAPPB form by			finished		procurement
			the Warehouse					process is a
			Manager may					crucial step in
			seem like a					ensuring the
			necessary step in					availability and
			the current					delivery of the
			process, but it					products or
			may not be					services. The
			essential for					procurement
			efficient business					process ensures
			operations or regulatory					that the necessary materials or
			compliance.					materials or goods are
9	Warehouse	BVA	The signing of					available for
2	Manager	DVA	the BAPPB form					production or
	signed the		by the					delivery, which
	BAPPB		Warehouse					directly
	Form and		Manager is an					contributes to the
	send it to		important step for					customer
	partner		the internal					receiving their
			operations of the					desired product
			company and					or service.
			may be necessary		12	If stock not	BVA	The creation and
			for compliance			available,		sending of a
			purposes. The			Warehouse		Purchase Order
			signature			Staff create		(PO) to the
			signifies that the			material PO		supplier is an
			Warehouse Manager has			Document, and send it to		essential step in the procurement
			approved the			supplier		process to ensure
			contents of the			supplier		the availability of
			form, which					materials or
			could be an					goods. This
			important control					activity
			measure for the					contributes to the
			company.					smooth operation
10	Partner take	VA	The movement of					of the business
	the materials		materials out of					and is necessary
	from		the warehouse					for managing
	warehouse		directly					inventory and
			contributes to the					

No	Aktivitas	Klasifikasi Aktivitas	Analisis Aktivitas		No	Aktivitas	Klasifikasi Aktivitas	Analisis Aktivitas
			fulfilling			BAPPB		regulatory
			customer orders.			Form		compliance.
13	Supplier	BVA	This activity					However, if this
	receive		doesn't add					form is essential
	material PO		business value.					for tracking the
	Document		The company's					movement of
			operations are not					goods within the
			directly					warehouse and
			improved or					ensuring accurate
			made more					inventory records
			efficient by the		17	If no, then	BVA	This activity is
			supplier			Warehouse		crucial for the
			receiving the PO.			Staff start the		business
14	Supplier	VA	This activity is a			return		operation.
	make the		crucial step in the			process		Having a return
	materials and		supply chain that					process in place
	send it to		ensures the					is necessary for
	Warehouse		necessary					managing
	Staff		materials or					incorrect
			goods are					deliveries,
			available for					maintaining
			production or					quality standards,
15	WZ 1	DVA	delivery.					and ensuring accurate
15	Warehouse Staff receive	BVA	Receiving the					inventory levels.
	the material		materials ensures that they have					While it's a step
	and check the		arrived at the					that businesses
	material, is it		warehouse and					aim to avoid,
	same or not.		are available for					when it's
	same of not.		use, while					necessary, it's an
			checking the					important part of
			materials against					ensuring the
			the order is a					business can
			crucial quality					deliver the right
			control measure.					product.
			It helps prevent		18	Supplier	NVA	This step is,
			errors, such as			receive the		however,
			wrong materials			return		necessary for the
1			or quantities,			material		supplier to
1			which could			document		acknowledge the
			impact					return and correct
			production and					the error. So,
			customer					from the
			satisfaction.					supplier's
16	If yes, then	BVA	The BAPPB form					perspective, it
	Warehouse		is an important					could be
	Staff take the		document for					considered a
	material out		internal					BVA or even
	and make the		operations and					VA, but from the
			potential	l				perspective of the



No	Aktiv	itas	Klasifika		alisis				BAPPB	
			Aktivita		tivitas				form	
					company,				might be	
					n NVA				processed	
					. The goal				and	
				in	process				examined	
				improv					simultaneo	
					would be				usly by	
				to ensur	re this step				employing	
				is perf	ormed as				an	
				efficien	tly and				automated	
				effectiv	ely as				system,	
				possible	e to				doing	
				prevent	any				away with	
				delays	or issues				the	
				in	the				requireme	
				procure	ment				nt for	
				process					separate	
19	Supplie	r	VA		eation and	1			inspection	
	make	the			y of the				s.	
	material				ls directly		2.	Ware	A real-	Possibl
	again	and			utes to the			hous	time	e
	send i	it to		product	or			e	inventory	
	Wareho				they are			Staff	manageme	
	Staff				ing. This			chec	nt system	
				activity				k the	that tracks	
					step in the			mater	stock	
					chain that			ial	levels	
				ensures				stock	automatica	
				necessa				~~~~	lly could	
				materia					automate	
				goods	are				this	
				availab					process.	
				product					By doing	
				delivery					so, manual	
				denver	y •				inspection	
2odo	sign Anal	lycic							s would	
Neue	sign Ana	19515							take less	
	Та	hel 2 F	Pedesian A	nalysis Proc	urement				time and	
	14		usiness Pro		urement				there could	
Ν	Redesi		ivities	Redesign	Possibi	1			be fewer	
0	gn	АС	ivities	Reason	lity				stock outs.	
U	Level			Reason	шу		3.	Supp	The	Possibl
1	Task	1	. Ware	These	Implem		5.	lier	delivery of	e
T	Level	1	hous	tasks	ent			make	products	-
	LEVEI		nous e	might be	CIII			the	will be	
				consolidat				mater	more	
			mana	ed into one				ials	timely if	
			ger					and	you know	
			inspe at the					send	the	
			ct the	omitted				it to	shortest	
			BAP	altogether				Ware		
			PB	since they					route to	
				seem				hous	your	
				unnecessar				e St. ff	destination	
				y. The	1	1 1 1	1	Staff	since you	



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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 ge
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 predetermi ned level, the process of generating a PO document might be automated to happen. This would	Challen ge

and send it to suppl ier	enable restocking more quickly 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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