

Analyze Model E-Aproval with *Soft System Methodology* Methodat Pt. XYZ

Bambang Handoko, Glory R, Wahyudin, Budi Saleh Irawan
Mercubuana University. Indonesia

Abstract:- Time efficiency is very important for purchases because late ordering will result in late delivery. In millennial era, everything about internet. In PT XYZ still use manual approval that must meet everyone to approve. An idea for use e-approval for efficiency time. Analyze using SSM method can be used for implementation in time efficiency. Focus of this journal is proposal for use e-approval.

Keywords:- E-Approval, SSM Method.

I. INTRODUCTION

The word "Purchasing" comes from language English and often used in Industries outside of country or in the country. If translated directly, then Purchasing could interpreted as "Purchase" in Indonesian language. So on essentially, Purchasing is a search process source, order and purchase goods or services for activities production. Department in charge of the purchasing process usually called with the Purchasing Department. Almost every scale firms middle class to the top have this Purchasing Department.

Puchasing is a wrong one function very important in Material Management, besides involved in Material purchase for usability production. Purchasing too on duty in search and purchase machines production, equipment and equipment production along facilities others who support smooth production process.

Target Main Purchasing is for keep availability and stability material supply and too reduce costs related so that cost manufacture goods so could pressed down to a minimum maybe.

On journal discuss procedure purchase from PT XYZ located in East Jakarta (Cijantung) produce cosmetic, and the system of PT. the XYZ is business to business (no have a brand)

➤ Identification Problem

Period time making Purchase Order +/- 6 days from input data order from Marketing considered too long. As for the 2018 KPI from Purchasing is speed making Purchase Order which target only 3 days.

II. FRAMEWORK

A. ERP

ERP which is abbreviation from Enterprise Resource Planning is a system information that integrates business processes and management company with aim for improve the performance source power company and according to O'Brien (2006) ERP is something bone back crossing function company that integrates and automate many internal processes and system in formation in function production, logistics, distribution, accounting, finance.

B. System Design

Design System could defined as depiction, planning, and manufacture sketch or settings from some a separate element into the one complete unity and function.

Understanding design other systems according to Jogiyanto (2001) namely system that determines How something system will complete what should completed. Stage this concerning configure from components device soft and device hard from a system so after installation from system will truly satisfying design on end stage system analysis.

C. Purchasing

Purchasing is a search process source and booking goods or services for activities production. Besides involved in Material purchase for usability Production. Purchasing too on duty in search and purchase machines production, equipment and equipment production along facilities others who support smooth production process.

Purchasing does booking in industry usually called with "Purchase Order" or "PO". Purchase Order on basically is a documents submitted to Supplier for poke goods or services required. On generally, on a Purchase Order (PO) already certainly listed signature guarantor answer PO makers, and to be reference for arrival goods and billing later.

D. Soft System Methodology

Soft System Methodology (SSM) is a method or strategy development and development system that emphasizes on solving the problem. Soft System Methodology (SSM) looks at something problem is alone unit that has branch a different problem. Soft System Methodology (SSM) divides to in 2 designs that is design "world real" and design system built. According to Check land and Scholes (1991)

Step for SSM Analyze is below:

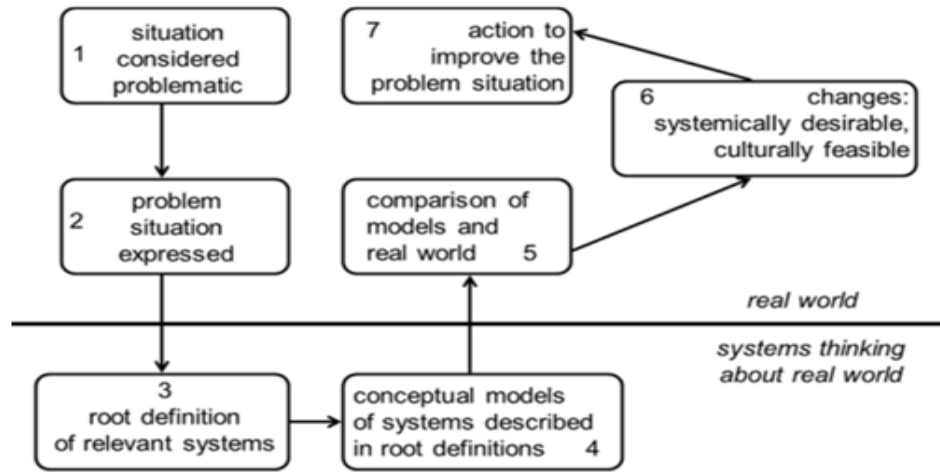


Fig 1

III. METHOD

❖ *Soft System Methodology (SSM)*

➤ *Stage 1. Recognize Situation Problem not structured (Situation considered problematic)*

Difficulty demand approval purchase goods because should come to the relevant department and management in directly with one the same paper.

Request for Approval							
Team	PROCURE	Person in Charge		Date Of Request	2018-11-14	Date of Implementation	2018-11-14
Request&Review		Prepared By	Reviewed I By	Reviewed II By	Reviewed III By	Reviewed IV By	Reviewed V By
		Purchasing Staff					
C.C&Approval		C.C I By	C.C II By	C.C III By	Approved I By	Approved II By	Approved III By
		Marketing Staff	PPIC Leader	Finance Leader	General Manager	Factory Manager	President Director
Recipient	accounting staff , purchasing staff, and production staff				Code Form		
Subject					No. of Req	No of Purchase Request	

Table 1

➤ Step 2. Problem Situation Expressed

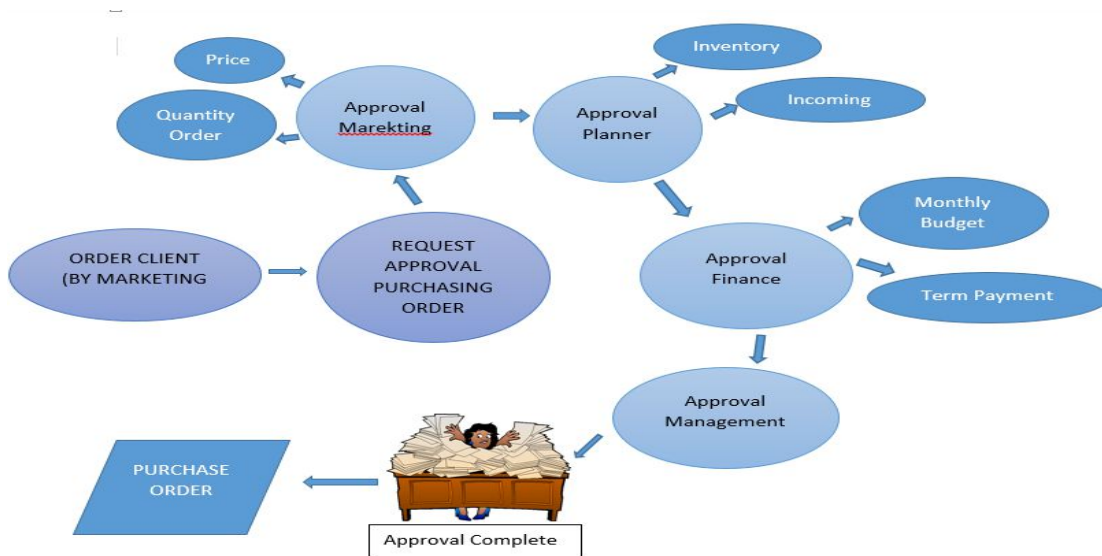


Fig 2

➤ Step 3. Root Definition (RD) Of Relevant Systems

CATWOE	
C (Customers)	Planner, Logistic, Finance, Management.
A (Actor)	IT Team, Purchasing Staff
T (Transformation)	A document with sign approval in 1 roles.
W (Worldview)	Speed for approval influence Purchase Order to vendor
O (Owner)	Management
E(Environment Constraints)	Less paper, saving time

Table 2

Root cause: manual approval requests are needed +/- 5 day time, while time given for purchasing staff make only 3 Purchase Order day since input data needs (KPI Purchasing Dept. 2018)

➤ Step 4. Conceptual Models Of Systems Described In Root Definitions

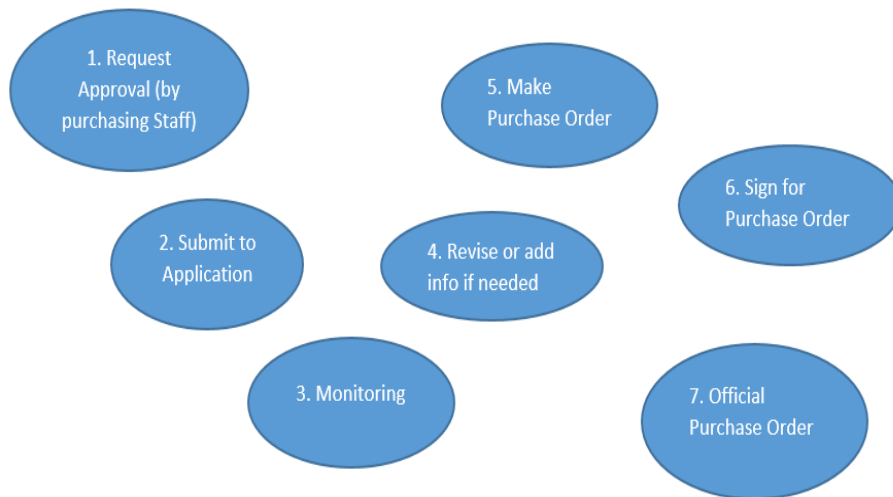


Fig 3

Step 5 and 6.Compare Models With Reality

Activity Model	Reality	Model	Alternative
Request Approval	Yes	No	Reality = manual request Model = with e-approval need approve by internet by each department
Monitoring	Yes	No	Reality = must be schedule for approval Model = just waiting approval and there are pop up warning for reminder.
Revise Request	Yes	No	Reality = if there are revise doc must be start from beginning Model = If there are revise just revise on part and don't start from beginning
Sign PO	Yes	Yes	After approve need officially sign from manager only

Table 3

- Tahap 7 *Action To Improve The Problem Situation*

For problem this need application / software that can run with internet feature with a Pop Up warning for approval requests and revision.

IV. CONCLUSION

Efficiency time to be the very thing important for purchasing because delay booking will caused on late delivery. With use The SSM method could planned for implementation in time efficiency.

REFERENCES

- [1]. Checkland, P.B. & Scholes, J. (1990): *Soft Systems Methodology in Action*. Chichester: John Wiley & Sons
- [2]. Williams, B. (2005). *Soft Systems*. Available at bobwill@actrix.co.nz and <http://users.actrix.co.nz/bobwill>
- [3]. Wilson, B. (1984, 1990). *Systems: Concepts, Methodologies and Applications*, John Wiley & Sons Ltd. ISBN 0-471-92716-3
- [4]. KPI PT. XYZ (2018). Jakarta. Indonesia