

## Standard Analysis Of Drug Procurement And Planning In Some Private Pharmacies In Banjarnegara Regency In 2022

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### ABSTRACT

Aspect most important from service pharmacy is optimizing use medicine. That thing included in the planning for ensure availability, safety, and effectiveness use medicine. Planning and procurement drug is the most important part for all facility service health. On some Pharmacies in the District Banjaregara , error planning medicine caused by delay payment invoice , vacancy factories and facilities infrastructure of less PBF fast cause inefficiency service to society . **Study this aim:** for knowing description standard planning and procurement medicine at 3 pharmacies private sector in district Banjarnegara. **Method Research:** Research design this character *descriptive* and data collection *retrospective*, that is with see written data source i.e., data on month June until with August 2022. Data in the form of qualitative and quantitative accompanied party interview related. The Selection and Procurement stages are measured efficiency with use DOEN indicators issued by the Indonesian Ministry of Health (2002) and Pudjaningsih (1996). **Result:** At stage *selection*, suitability available drug with DOEN already Fulfill standard, show amount percentage The suitability of drug items available in DOEN at Pharmacy A is 68%, Pharmacy B is 60% and Pharmacy C is 57%. At stage *procurement* quantity frequency procurement each medicine *items* per year at Apothecary A and B are classified as category tall whereas Pharmacy C frequency procurement of drug items Medium. Booking drug, A, B and C pharmacies in 3 months can reached 14x at Pharmacy A, 8x at Pharmacy B, and 6x at Pharmacy C. Frequency completeness letter order that is no there is error order, which means already effective. Frequency delay payment pharmacy to the time that has been agreed i.e., 0 times in 3 months, which means already effective.

**Keyword:** *Drugs, Planning, Procurement, Pharmacy*

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### 1. Introduction

Drug is one supplies pharmacy in charge important in healing efforts disease. Availability medicine really depends on how the process is managed medicine. Remember importance preparation pharmacy in service health, then required system good and sustainable management related its management. Deficiency amount preparation pharmacy especially medicine at the facility service health will lower-level trust consumer to something pharmacy, because that system

management procurement Becomes Thing important to manage with good (Permenkes RI No. 73 of 2016).

Cycle management drug covers four Step namely:selection,procurement,distribution, and use. Mutual stagesrelated in cycle management drug the need something system organized supply, in order to guaranteed support servicehealth. Planning and procurement good medicine have very important role for determine stock suitable medicine with needs service health with quality guaranteed as well as could obtained when needed.If planning and procurement drug managed with less system fine, will cause happening accumulation medicine and emptiness stock medicine (WidyaPrisanti , 2018).

In Indonesia, the results study UlfahMahdiyani done at home sick in Magelang state that of 7 indicators measurement , there are 6 indicators that have not been in accordance with standard , that is percentage allocation of procurement funds medicine , comparison planned number of drug items with number of items in reality usage , percentage amount goods in one item of medicine in planning with amount goods in the item in reality usage , frequency procurement of drug items , frequency not enough in full letter orders / contracts , and frequency delay payment house sick (Iqbal et al., 2016; Ulfah , Wiedyaningsih , &Endarti , 2018).

Pharmacy is means service pharmacy the place conducted practice pharmacy by pharmacists. Maintenance service pharmacy at the pharmacy must ensure availability preparation pharmacy, tools health and ingredients medical finished use that is safe,quality,useful, and affordable (Permenkes RI, 2017).

A, B and C pharmacies are one of the pharmacy private sectors located in Banjarnegara, Central Java which has room scope Installation More pharmacy small compared with house sick in general. Based on results Interview writer with owner means pharmacy, problem emptiness drug is frequent problem faced by every pharmacy even so experienced by A, B and C. Another frequent problem faced 3 pharmacies the in-procurement preparation pharmacy is lateness in procurement medicine caused by emptiness factory, delay payment invoices and facilities and infrastructure of less PBF fast. Consequence from emptiness drug the party pharmacy order drugs at other pharmacies and that cause inefficiency to service to community (Badaruddin, Mahmud, 2015).

Election medicine at the pharmacy refer to the drug list essential national (DOEN) according to class respective pharmacies. Stages complications use supplies pharmacy working for knowing usage monthly each type supplies pharmacy in service unit During a year and as comparison data for optimum stock. Management drug especially at the planning and procurement in pharmacies is one aspect important destination management drug is availability drug every moment needed good about type, quantity nor quality by efficient (Ministry of Health RI, 2013).

Remember inefficiency and non- fluency management they could give impact negative to pharmacy, then need conducted search to description management as well as supporter management so that they can is known problems and weaknesses in implementation so that could conduct effort repair in skeleton increase service health to society. The Indonesian Ministry of Health in guidelines management Public Medicines and Health Supplies (2007), Ulfah Mahdiyani (2016). Set a number of indicator management medicine that can said have efficient and effective value when fulfill in calculation (Ministry of Health RI, 2007., Ulfah Mahdiyani, 2016). There's still a lot problem or height problem in planning and procurement medicine, writer interested for

knowing description standard planning and procurement Drugs 3 Pharmacies private in Banjarnegara the period July-August 2022.

## **2. Literature Review**

### *2.1. Planning Drug*

In cycle management medicine, stage planning always discussed earlier, because planning considered beginning start from activities in general. Although so, in management good medicine, planning ideally conducted with based on the data obtained from Step final management, namely use period then. Usage overview drug could obtain based on real data consumption medicine, or based on real data pattern disease (Anonymous, 1996).

According to Seto et al (2004), planning is base action manager for could complete Duty her job with good. Function planning covers activity in set goals, guidelines, outlines what will aim and measure maintenance field logistics. Determination needs is details from function planning, when need all influencing factors determination needs must take into account especially concerning limitations organization. In determination needs is regarding the selection process type and set with prediction amount needs supply goods / medicine types in the pharmacy or house sick. Determination needs could say is concrete details and details of planning logistics.

In planning procurement preparation pharmacy like drugs and tools health, then need conducted collection of drug data to be ordered. Drug data the usually written in book defect, that is if goods finished or supply thin out based on amount items available in the months before. A number of considerations that must be done by pharmacist Manager Pharmacy inside doing planning booking goods, that is choose Trader Big Pharmacy that delivers profit from all terms, for example price offered appropriate (cheap), accuracy time delivery, discounts and bonuses given appropriate (large), term time sufficient credit, as well as convenience in return drugs that are almost expiration date (ED) (Hatini and Sulasmono, 2008).

### *2.2. Procurement Drug*

What is meant with procurement is, a process for get supplies. In Thing this is supplies pharmacy for support activity service. Procurement is part from cycle management supplies pharmacy. Destination system procurement: get supplies pharmacy with price deserve, get medicine / goods with good quality, delivery goods guaranteed appropriate time, process running smooth, no need time-force excessive. In the procurement process still found waste time, funds, and energy, and the perceived consequences more increase cost supplies pharmacy and will lower quality service (Anonymous, 1996).

Function procurement is businesses and activities for Fulfill needs operations that have been set in the function planning, determination need (with good forecasting), and budgeting. Inside procurement implementation process is carried out plan procurement from function planning and determination needs, as well as plan financing from function budgeting. Implementation from function procurement could conducted with purchase, manufacture, exchange or reception donations (grants, e.g for house sick general) (Seto et al, 2004).

Necessary things noticed inside function procurement is procurement the must Fulfill conditions, namely:

- Doelmatig, meaning in accordance purpose / suit plan. must in accordance needs already planned before.
- Rechmatig, meaning in accordance right / appropriate ability. Usually, the budget allocated by the house sick public managed by the government (central) nor area) no in accordance with needs actual (needs > budget available). For that need arranged scale priority on base benefits. For procurement medicine, WHO introduces VEN system (Vital, Essential, Non - essential), with arrange procurement from only "V" items, then "E" items, which if required, specify with appropriate priority between those items and finally if the funds are not allocated remaining / available, set for procurement of items "N". Need remember that VEN for each country will different the classification.
- Wetmatig, meaning system / method procurement must in accordance with applicable provisions

### 2.3. Drug List Essential (DOEN)

Medicine list essential (DOEN) is determined by the Ministry of Health and each period certain evaluated and revised. Of 232 types drug generic, 153 types including drug essential. According to Association Industry Pharmacy in 2006, of 50 types drug the bestselling 21 types (42%) are drug essential. As for the type drug best seller is drug group antibiotics, analgesics and antihistaminetics and antihistamines.

According to the Decree of the Minister of Health of the Republic of Indonesia No. 791 / MenKes / SK / VIII / 2008 concerning List of Drugs 2008 National Essentials, Drug List National Essentials (DOEN), explains that Drug List National Essentials (DOEN) is a list containing drug selected the most needed and sought after available at the service unit health according with function and level. Drug essential is drug selected the most needed for services, including efforts for diagnosis, prophylaxis, therapy and rehabilitation, which are available at the service unit in accordance with function and level. DOEN is standard national minimum for service. The application of DOEN is intended for increase accuracy, security, rationality use and management medicine at the same time increase power use and results to use available fee as one fore expand, level and improve quality service to society. The application of DOEN must conducted by consistent and continuous continuously in all service units. Form preparation, strength stock and big packaging listed in DOEN is bind. Big packaging for each service unit based on efficiency procurement and distribution linked with usage.

## 3. Research Methodology

### 3.1 Type Study

Research designs this character *descriptive* and data collection retrospective, that is with see written data source i.e., data on month June until with August 2022 and data at the time study done. Research designs that have been conducted is study for get information about description planning and procurement medicine at the pharmacy private A, B and C in the district Banjarnegara with compare primary and secondary data results.

Population in study this is the entire list of drugs in Pharmacy A, B and C (anonymous). At Pharmacy A there are 1165 types medicine, Pharmacy B 620 types drugs and pharmacies C 136 types drug as object research and all the party consisting of from owner means pharmacies and pharmacists as object research.

### 3.2 Collection Techniques

Retrieval technique the sample used in the study this is a non-probability sampling where whole population made sample with total sampling method.

Sample on object study this is whole type incoming medicine to the procurement list drugs at Apothecary A, B and C, totaling 1165 types Drugs at Pharmacy A, Pharmacy B 620 types drugs and pharmacies C 136 types medicine. Sample on the subject study that is requested information description from Interview related that is to owner means pharmacy and pharmacist at Pharmacy at Pharmacy private A, B and C in the district Banjarnegara.

Instrument study that is sheet DOEN observation, procurement list medicine, invoice receipt and ordering, tools recorder sound. Data that has been obtained consist from: observation data and results Interview then sorted and done References descriptive customized with library.

## 4. Result

In a pot A, there are 1165 species drug there are 789 suitable drug items with DOEN, Pharmacy B 620 types drug There are 370 items of medicine that match with DOEN and Pharmacy C 136 types drug there are 78 items of drugs that fit with DOEN

Table 1. 1 Results of Data Collection Stage *Selection*  
( Appropriateness of Available Medicine Items with DOEN) Period June-August 2022

Indicator	Comparison Value	Results		
		A Pharmacy	B Pharmacy	C Pharmacy
The suitability of available drug items with DOEN (Depkes RI 2013)	49% (Depkes RI, 2013)	68%	60%	57%

Based on table 1.1 is known amount percentage The suitability of drug items available in DOEN at Pharmacy A is 68%, Pharmacy B is 60% and Pharmacy C is 57%. Showing results already effective.

Table 1. 2 Results of Stage Data Collection *Selection*  
( Incompatibility of Available Drug Items With Doen ) Period June-August 2022

Indicator	Comparison Value	Results		
		A Pharmacy	B Pharmacy	C Pharmacy
no according to available drug items with DOEN ( Depkes RI 2013)	49% ( Depkes RI, 2013)	10%	24%	23%

Based on table 1.2 above is known amount percentage the discrepancy of drug items available by DOEN, at pharmacies A, B and C is 10%, 24% and 23% showing drugs that don't in accordance less.

Following is frequency procurement ordered medicines in 3 months' time.

Table 1.3 results data collection at the Procurement stage  
(Frequency procurement of drug items per 3 months)

Indicator	Comparison Value	Results		
		A Pharmacy	B Pharmacy	C Pharmacy
Frequency procurement each drug item per year (UlfahMahdiyani, 2016)	Low (<12x/ year)			
	Medium (12-24x / year)			
	Height (>24x / year)	0-14x/3 months	0-8x/3 months	2-6x/3 months
	(UlfahMahdiyani, 2016)			

Based on table 1.3 is known frequency procurement medicines held at Pharmacy A, B and C in KabupatenBanjarnegara, show that at Pharmacy A has frequency high procurement, pharmacy B also has frequency procurement high, while at Pharmacy C the frequency procurement of drug items Medium.

For booking drugs at Apothecary A, B and C during period June-August 2022 there are 65 invoices at Pharmacy A, 45 invoices at Pharmacy B, and 12 invoices at Pharmacy C.

Table 1.4 Results of Data Collection in the Procurement Stage  
(Incomplete Order / Contract Letter) Period June-August 2022

Indicator	Comparison Value	Results		
		A Pharmacy	B Pharmacy	C Pharmacy
Frequency Completeness of Order / Contract (UlfahMahdiyani, 2016)	1-9 times/ year (UlfahMahdiyani, 2016)	0 times / 3 months	0 times / 3 months	0 times / 3 months

Based on table 1.4 is known in the period June-August 2022 based on completeness letter order / contract for drug no there is deficiency in letter order, then management drugs at Apothecary A, B and C based on the literature indicator the showing booking already good.



## **5. Discussion**

Measurement percentage suitability of available drug items with DOEN on the drug list Period June-August at Pharmacy A is 68%, Pharmacy B is 60% and Pharmacy C is 57%. Showing results already effective. Amount suitable availability with DOEN at pharmacy A amounting to 789 items of medicine, there are 370 items of medicine and Pharmacy C contains 78 items of medicine. According to Ministry of Health that score standard for indicator suitability of available drug items with DOEN is by 49% (Ministry of Health, 2013).

Based on results study signify that percentage suitability of the drug item held with those in DOEN (Drug List National Essential) still be on top score standard. So, can said already effective.

Frequency procurement each item of medicine period June-August 2022, frequency data obtained procurement each item of medicine 0-14 times at Apothecary A, 0-8 times at Apothecary B, and 2-6x at Apothecary C. that at Pharmacy A has frequency high procurement, pharmacy B also has frequency procurement high, while at Pharmacy C the frequency procurement of drug items Medium. That thing showing height frequency procurement at Apothecary A and B. Amount booking because pharmacy order drug in a week once, while at Pharmacy C not yet apply procurement in amount big because Pharmacy C included pharmacies that are still growing.

Frequency procurement enter category tall if frequency procurement drug more than 24 times/ year. As for categories frequency procurement currently not enough from 12 – 24 times/ year and category frequency procurement low if frequency procurement drug performed (<12 times/ year). Result of study procurement drugs belonging to tall this because the drugs available at Apothecary A and B are: drug - drug that cycles fast or medicine held the in small amount, while at Pharmacy C it is still in Step pharmacy growing. Procurement and ordering not even the medicine too many and only sufficient stock for one week. So, from that procurement Drugs in Apothecary A and B have frequency high procurement.

Frequency Completeness of Order / Contract from 65 Invoices at Pharmacy A, 45 invoices at Pharmacy B, and 12 invoices at Pharmacy C in the sample invoice drug no there is error invoice order in Period June-August 2022. In very booking medicine, A, B and C pharmacies directly write letter order for avoid error in write letter order. So, for indicator the Pharmacies A, B and C already effective.

Research results frequency delay Payment by Pharmacy to agreed time, obtained from results Interview with owner pharmacies and pharmacists at Pharmacy A, B, and C where obtained results for frequency delay payment to agreed time is 0 times in 3 months. And for beginning year 2022 p order more many uses deep app very expenditure direct done payment, so for problem payment already no there is delay already effective in payment.

## **6. Conclusion**

After conducted study about description planning and procurement drugs in A, B and C pharmacies in the district Banjarnegarthey could concluded as at stage *selection*, suitability available drugs with DOEN already Fulfillstandard, show amount percentage The suitability of drug items available in DOEN at Pharmacy A is 68%, Pharmacy B is 60% and Pharmacy C is 57%. Results obtained already effective.

At stage *procurement*: Quantity frequency procurement each medicine *items* per year at Apothecary A and B are classified as category tall whereas Pharmacy C frequency procurement of drug items Medium.

Booking drug in 3 months can reached 14x at Pharmacy A, 8x at Pharmacy B, and 6x at Pharmacy C. Frequency completeness letter order that is no there is error order, which means already effective. Frequency delay payment pharmacy to the time that has been agreed i.e., 0 times in 3 months, which means already effective.

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