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THE EFFECTIVENESS OF THE ASSISTANCE PROGRAM FOR BREASTFEEDING MOTHERS BY POSYANDU CADRES ON THE DURATION OF EXCLUSIVE **BREASTFEEDING IN THE SUBURBAN AREA OF PEKANBARU CITY**

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Abstract

Pengutipan hanya untuk Diffective: Knowing the effectiveness of the breastfeeding assistance program by *Posyandu* cadres to the duration of exclusive breastfeeding. Method: This study used a quasi-experimental non-Kepentingan pendidikan, equivalent with control group design. The research subjects were postpartum mothers who were Breastfeeding. The sampling technique is purposive sampling with inclusion criteria. The sample In the experimental group, consisted of 32 respondents, while the control group, consisted of 30 respondents. Assistance was carried throughout home visits for two months and continued with honthly visit to Posyandu until the baby turned 6 months old. The experimental group was given Breastfeeding assistance by *Posyandu* cadres. The study was passed an ethical committee (Ref: KE/FK/1272/EC/2017). Result: The highest duration of exclusive breastfeeding in the experimental group at 24 weeks by 71.88%, while in the control group the duration of 24 weeks De of breastfeeding was 6.67%. The Independent t-test results showed that there was a significant nelitian, difference between the duration of breastfeeding in the experimental group and the control group with p-value ≤ 0.05 . Conclusion: The breastfeeding assistance program by *Posyandu* cadres is penulisan effective in increasing the duration of exclusive breastfeeding.

Keywords: Breastfeeding, assistance program, *Posyandu* cadres

1 karya Introduction

WHO in 200 has recommended exclusive breastfeeding until the baby is 6 months old. However, the coverage exclusive of $\frac{1}{2}$ breastfeeding is still low ¹.

Despite benefits of exclusive the Breastfeeding, it is not optimal. In Indonesia, exclusive breastfeeding has reached $54.3\%^2$. This is not in accordance with the government's target which is 80%.

Several attempts have been made by the Andonesian government to increase the achievement of exclusive breastfeeding. Among them are: the existence of the Baby Friendly Hospital program, implementing exclusive breastfeeding counseling for and postpartum mothers, pregnant and providing lactation counselors in hospitals. Exclusive breastfeeding education activities at

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postnatal time that have been carried out by several hospitals that care for babies, are not followed up and evaluated by health workers when the mother is in the community (at home). Home visits that should be carried out by public health center officers are also very difficult to do. Lack of human resources and time means that home visit activities cannot be carried out. The absence of efficient referral support of skilled personnel and for breastfeeding mothers when at home, causes mothers who experience breastfeeding problems to stop breastfeeding^{3,4}.

To overcome the problem of home visits, the solution that can be done is to empower the local community. Therefore, Posyandu cadres as community members selected from and by the community willing and able to cooperate in various community activities voluntarily, can empowered to assist breastfeeding be mothers⁵. Research conducted to know that the



assistance provided by *Posyandu* cadres to breastfeeding mothers affects the duration of exclusive breastfeeding.

Wethod

This study used a quasi experiment design with a non-equivalent control group approach. This design uses two groups, namely the treatment proup and the a control group. Both groups were selected without a random assignment approcedure.

conducted on communities of Pekanbaru city, which borders Siak Regency, which is in the coastal area of Siak River, namely the Rumbai Pesisir

The research subjects were postpartum mothers in the work area of Rumbai Public health center (intervention group) and postpartum mothers in the work area of Karya Wanita Public health center (control group). Samples were taken by purposive sampling with inclusion criteria: postpartum mothers < 1 week, gave birth normally, babies were in good health. The sample consisted of 62 postpartum mothers (32 intervention groups and 30 control aroups).

The intervention group was provided with breastfeeding assistance by *posyandu* cadres, while the control group was not provided with assistance.

The intervention group was provided with assistance through home visits for 8 weeks by *Posyandu* cadres. Home visits was conducted twice a week. Then, assistance was continued montly by visiting *Posyandu* by mothers until the baby turned 6 months old.

The data analysis implemented to assess the effectiveness of breastfeeding assistance by *Posyandu* cadres in postpartum mothers on the duration of exclusive breastfeeding was The Independent t-test.

Results

1. Respondent characteristics

The characteristics of breastfeeding mothers who received breastfeeding assistance from *Posyandu* cadres can be seen in the table below.

Table 1.

Characteristics of breastfeeding mothers in
the intervention and control groups.

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Variable	Inte	rvention	co	control		
variable	n	%	n	%		
Age (years)						
17-25	24	75	20	66.67		
26-35	8	25	10	33.33		
Total	32	100	30	100		
Chaildbirth						
history						
Primipara	16	50	14	46.7		
Multipara	16	50	16	53.3		
Total	32	100	30	100		
Education						
Senior High	28	87.5	27	90		
School	20	07.3				
College	4	12.5	3	10		
Total	32	100	30	100		
Employment						
status						
Housewife	25	78.1	24	80		
Worker	7	21.9	6	20		
Total	32	100	30	100		
Exclusive						
breastfeeding						
experience						
Exclusive	0	0	1	3.3		
Not exclusive	16	50	15	50		
Have no	16	50	14	46.7		
experience	-	50	14	40.7		
Total	32	100	30	100		

Based on Table 1, it can be explained that most of the respondents of breastfeeding mothers (treatment and control groups) were in the age group of 17-25 years. The obstetric status of the respondents was almost equal between primiparous and multiparous. Education for breastfeeding mothers was mostly secondary education. The majority of respondents' occopation status was not working (housewife). While the history of exclusive





breastfeeding of the respondents is was that 0 50% of them are were not exclusively breastfed, almost half of them had no experience of breastfeeding and only one Tespondent had ever given exclusive breastfeeding, namely the control group. Ltip

2.8 Differences in duration of exclusive **Subtraction** Bottom State Sta goup with mothers in the control group.

ndi Table 2.

in Differences duration of exclusive **breastfeeding in the two groups:**

endidiliti	Intervention		Control		
didik t da	f	%	f	%	
Buration of					
rg ekslusive					
breastfeeding; little little little little					
ta 1 week 👸	0	0	1	3.33	
- a 00	0	0	7	23.3	
4 weeks \approx	0	0		3	
	2	6.25	18	33.3	
Penulisan & 12 weeks	Z	0.23		3	
ka In	7	21.8	9	30	
karya 156 – 20 weeks	/	8			
umb ac	22	71.8	2	6.67	
a 24 weeks	23	8			
Total	32	100	30	100	
0					

Based on Table 2, it can be seen that the differences duration of exclusive breastfeeding In the posyandu cadres in the intervention group was mostly 24 weeks (71.88%), while for the control group the most duration of exclusive breastfeeding was at 8 to 12 weeks €(33.33%).

 $\stackrel{\mathbf{a}}{\exists}$. Comparison of duration of exclusive breastfeeding in intervention group dan control group.

The results of statistical tests in both groups using the Independent t-test can be seen in the following table:

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Table 3.Comparison of duration of exclusivebreastfeeding in the two groups								
Variable	Mean	P	Value	Me differ (IK				
Duration of exclusive breastfeedin	σ							
Intervention	0	21.88	0.0	01	10.28			
group Control grou	р	11.6						

Based on Table 3, it can be seen that a significant comparison between the duration of exclusive breastfeeding in the intervention group and the control group, where the p value is 0.001 (p value $< \alpha$).

Discussion

Assistance given to breastfeeding mothers caused most mothers to successfully breastfeed exclusively for up to 6 months. Meanwhile, mothers who did not receive assistance, most them fail to maintain exclusive of breastfeeding for up to 6 months.

Several studies have concluded that several factors can influence exclusive breastfeeding. One of the factors that can affect the duration of breastfeeding is the mother's breastfeeding experience. A research explained that a longer breastfeeding experience has a further positive effect duration of breastfeeding⁶.

Other studies mention that young age; Lack of breast milk; not knowing breastfeeding technique causes the mother to stop breastfeeding early in postpartum; Parity also affects exclusively breastfeeding mothers, i.e. multiparous are more likely to breastfeed $exclusively^7$.

In Indonesia, culture has an effect on exclusive breastfeeding. Breastfeeding decisions are heavily influenced by older family members, especially grandmothers⁸.

Assistance by posyandu cadres through home visits can increase the duration of exclusive breastfeeding. Research proved that the

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duration of exclusive breastfeeding for methers who had home visits was higher than Pengutipan tidak merugikan kepentingan Universitas mothers who had no home visits⁹. A breastfeeding Fresearch explained that Education offered at home on day 3 postpartum was effective in increasing the breastfeeding and breastfeeding knowledge¹⁰. Postnatal support can also effective increase the rates of exclusive breastfeeding from Figure to postpartum 4 months and change The breastfeeding behavior¹¹.

Conclusion

Assistance provided by *Posyandu* cadres through home visits for 8 weeks and continued when the mother brings the baby to visit the bosyandu every month, effectively increases The duration of exclusive breastfeeding.

Posyandu cadres can be used as an exclusive breastfeeding Support system in the Fcommunity, as solution to the problem of shortages of human resources and time at Sommunity health centers to make home visits.

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