

Conference Paper

Association of Mother's Knowledge about Toddler Stimulation with Children's Development in Posyandu District Letung

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ABSTRACT

Developmental problems that occur in toddlers are caused by the lack of stimulation given to them. This condition occurs due to a lack of parental knowledge about stimulation that is appropriate for the age of toddlers. This study aims to determine the relationship between maternal knowledge about the stimulation of toddler development and child development at Posyandu Cempaka Letung Village in 2023. We conducted a cross-sectional study of 60 mothers and toddlers. They were recruited through a total sampling technique with the criteria of mothers who have toddler children, mothers who are willing to be respondents, and mothers who can read and write. Furthermore, the data will be analyzed using Somers'd test. The results of this study showed that there was a significant relationship between mothers' knowledge about stimulation and toddler development (P-value 0.004, gamma 0.842). This study confirms the relationship between mothers' knowledge about stimulation of toddler development and child development at Posyandu Cempaka, Letung Village in 2023. We suggest that it is important to improve mothers' knowledge of toddler development.

Keywords: Development, knowledge, stimulation, toddler

Introduction

The growth and development of babies and children take place through a certain pattern. Variations in development are quite wide, but it is limited to the speed of development, not in a pattern or developmental sequence. Gradually babies and children will develop the success of one stage of development becomes a prerequisite for the next stage of development. Parents must prepare themselves to understand the stages of development of babies and children, so they can Anticipate the occurrence of developmental disorders during the process of monitoring and guidance (Kementerian Kesehatan Republik Indonesia, 2016).

Children are the next generation of the nation, so they need children with good qualities in order to achieve a good future for the nation. The quality of a good child must ensure that it also grows and develops OK, the child's growth and development process can take place naturally, however, This process really depends on the parents (Putra et al., 2018). Children who receive targeted stimulation will develop more quickly compared to children who receive little or no stimulation (Yuniarti, 2015).

Stimulation grow flowers is a factor That affects toddler development. Interaction between environment and Stimulation can help the brain develop structures and nerves (Lestari, 2016). Stimulation is very important in child development. Providing stimulation to toddlers is a must be given continuously and whenever there is an opportunity. Stimulation given to toddlers includes 4 aspects, namely: gross motor skills, motor skills finesse, language, socialization, and independence. Hence, existence Parents, especially mothers, as well as toddlers, are very important in providing stimulation so that toddler development can be optimally appropriate age (Kementerian Kesehatan Republik Indonesia, 2016).

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A child requires special attention to optimize its growth and development. Optimization of development is necessary for the interaction between children and parents, especially the role of mothers is very beneficial for the child's overall development process because parents can immediately recognize abnormalities in their child's development process as early as possible and provide a comprehensive stimulus for children's growth and development physical, mental and social aspects (Hati & Lestari, 2016).

Monitoring child development in the first 1,000 days life is very important considering that brain development occurs very rapidly at ages under 2 years, this is called a critical period of development and is the right time to carry out recovery, if any developmental disorders. Mother's skills in stimulating children are very good determine the success of stimulation in the first thousand days of life for supports your little one's intelligence. Basically, every child has a level different intelligences. That's how important stimulation is because it's on at this time the brain experiences rapid growth and development. So, if si If a child doesn't get enough stimulation, he or she will be susceptible to experiencing deviations in children's growth and development and even persistent disorders (Susanti & Adawiyah, 2020).

Parents can monitor and stimulate development according to age (Aisiyah et al., 2019). Quite deep stimulation Quantity and quality from the start are also needed by babies and children psychosocial mental development. The child who gets a lot stimulation will develop more quickly than children who lack it get stimulation. The earlier and longer the stimulation is carried out the greater the benefits it will have on children's development. Stimulation should be done every time you interact with toddlers (Aisiyah et al., 2019).

Growth and development problems that occur in toddlers caused by a lack of stimulation given to toddlers. This condition occurs due to a lack of knowledge possessed by parents about adequate stimulation according to the age of the toddler. Results Aisyiah et al. (2019) research in Jakarta found that people's knowledge parents regarding stimulation for children's development is still very lacking, only around 1.3% had high knowledge about stimulation, 34.4% moderate knowledge, and 64.3% low knowledge about stimulation (Aisyiah et al., 2019). Other research conducted by Kurniawati and Hanifah (2015) found mothers' knowledge about stimulation is still lacking by 13.3%. Based on this research, it can be concluded that parental knowledge is very important in provide stimulation to toddlers.

This condition also occurs in the Puskesmas Work Area Cempaka Based on a preliminary study conducted by the author in Posyandu Cempaka Community Health Center, Letung Village on the 12th November 2022 reports on toddler visit data for a month as many as 25 people and of them there were 10 people who experienced it developmental delays. Then the author conducted an interview at Posyandu at Cempaka Community Health Center, Letung Village for 10 women, It was found that 6 samples were still unsure about the correct stimulation stages according to age and 4 samples have sufficient knowledge about the stages her child's growth and development. Therefore, research that investigates The relationship between maternal knowledge about child stimulation and development children need to be carried out, so that the need for improvement can be determined knowledge between mothers and children.

Material and Methods

Study design and study population

This study is a cross-sectional study of women who had children of one to three years old and were recruited based on total sampling technique. Total respondents include to this study are 60 mothers and toddlers. The location of this research in the posyandu district Letung from May until June 2023.

Measurements and data collection

Two variables in this study are the knowledge of mothers about simulation children and children's development. The questionnaire was designed to evaluate a mother's knowledge about

children's simulation. We asked each participant about the statement on the questionnaire then the answers from the participant were filled into the form instrument. Participants were asked about their age, education, occupation, children's gender, and age of children. About knowledge of stimulation children, each participant responded to 20 subquestions using two choices, including true and false. Participants voluntarily answered the questionnaires after they were informed about the purpose of the study. We asked the mothers about their children's development through the Developmental Pre-Screening Questionnaire tool based on the children's age.

Data analysis

In this research, we will look at the relationship between the mother's level of knowledge about stimulating child development in Toddlers with the level of development of children at Posyandu Cempaka Letung Village in 2023. We evaluated whether mother's knowledge about children's simulation was associated with children's development using Somers'd test. We also analyzed data of the characteristics of the participants through descriptive analysis.

Results and Discussion

Characteristics of the participants

Table 1. Characteristics of participants (n = 60)

Characteristics and categories	n	%
Mother's Age:		
Early adulthood	48	80
Late adulthood	12	20
Total	60	100
Education:		
Elementary school	11	18.3
Junior high school	15	25.0
Senior high school	21	35.0
Undergraduate	9	15.0
Not in school	4	6.7
Total	60	100
Occupational:		
House wife	36	60.0
Government employee	6	10.0
Self-employed	18	30.0
Total	60	100.0
Children's gender:		
Boy	34	56.7
Girl	26	43.3
Total	60	100.0
Children's age:		
12 Months	3	5.0
15 Months	6	10.0
18 Months	6	10.0
21 Months	13	21.7
24 Months	11	18.3
30 Months	16	26.7
36 Months	5	8.3
Total	60	100.0

This research was conducted with several respondents as many as 60 respondents, the results showed that the average age of mother's stage early adulthood, the majority of education is at the high school level, the majority work as housewives, the majority The gender of the children were found to be male, the majority of children's age were 21 months and 30 months.

Association of mother's knowledge about Toddler Stimulation with children's Development

Table 2. Association of mothers's knowledge about toddler stimulation with children's development

Mother's Knowledge	Children's Development			Total	Ordinal by ordinal	P-Value
	Normal (n)	Doubtful (n)	There is deviation (n)			
Good	41	5	0	46	842	0.004
Enough	6	6	1	13		
Not Enough	0	0	1	1		
Total	47	11	2	60		

The theory According to Hurlock (2010) a person's age can affect knowledge, the older you get somebody so possibility the more increased knowledge and experience he has. Besides that, at that age, mothers are still active in seeking information and easily accept the material given to them. Matter This is also in accordance with the theory that age influences someone's maturity where someone is more mature more trusted in society than people who are not yet mature enough (Wawan & Dewi, 2017).

Based on age in this study, the average age range of respondents is 26-35 years old which is considered early adulthood and is the age at which a person accepts responsibility and as productive human beings that they are taking responsibility for behavior that can improve quality of health. This research is in line with research conducted by Susanti with the title Relationship between mother's knowledge about stimulation of child development with maternal skills in stimulate development with the majority of ages The mothers obtained were aged 26-35 years (67%).

Notoatmodjo (2016) states that the higher the higher a person's level of education understanding, the level of education plays a big role in absorbing and understanding information According to Poetry et al. (2017) the level of knowledge is sufficient what level of knowledge someone knows, understands, but lack application, analysis, synthesize and evaluate.

This research is in line with research conducted by Hati and Lestari (2016) with research results obtained the highest level of education among mothers was high school (76.8%). Work and work environment can cause a person to gain good experience and knowledge directly or indirectly (Marwah, 2012).

According to the assumption that age, education, and employment have a big influence on mothers' knowledge about providing stimulation to children. Girls are generally more adaptive to stressors than boys. The initiating stimulus and triggering change is a stressor. Boy men are one of the risk factors that cause certain children to be more irritable in comparison to other children who are in a stressful condition due to hospitalization (Wong et al., 2012).

Conclusion

About stimulating child development toddler to child development at Posyadu Cempaka, Letung Village in 2023 it can be concluded that: Characteristics based on gender, mother's age, education, occupation, child's gender, child's age, at Posyadu Cempaka In 2023, Letung Village will be entirely female as many as 60 women (100.0%), the majority of respondents were mothers 48

respondents (80.0%) were early adults, 21 had high school education respondents (35.0%) housewife occupation 36 respondents (60.0%), gender 34 boys (56.7%), 16 children aged 30 months (26.7%).

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