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MONITORING THE GROWTH AND DEVELOPMENT OF TODDLER DURING THE COVID 19 PANDEMIC USING THE RAJABALITA APPLICATION AND KIA

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ABSTRAK MONITORING PERTUMBUHAN DAN PERKEMBANGAN BALITA PADA MASA PANDEMI COVID 19 MENGGUNAKAN APLIKASI RAJABALITA DAN KIA

Latar Belakang Pemerintah dalam pemantauan tumbuh kembang balita, salah satunya menggunakan program penimbangan berat badan dan pengukuran tinggi badan Balita di Posyandu yang dituangkan atau didokumentasikan kedalam buku KIA. Penggunaan Buku KIA sangat bermanfaat bagi orang tua dalam memantau pertumbuhan dan perkembangan Balita. Peneliti membandingkan efektifitas dari penggunaan aplikasi rajabalita dengan penggunaan buku KIA terhadap pemantauan tumbuh kembang pada balita.

Tujuan penelitian ini adalah untuk mengetahui perbandingan pemantauan tumbuh kembang Balita menggunakan Aplikasi Rajabalita dan Buku KIA

Metode penelitian ini menggunakan Desain penelitian true-eksperimen, dua kelompok dengan desain pra dan post tes. Teknik pengambilan sampel adalah *Simple Random Sampling* dengan jumlah sampel sebanyak 100 orang. Analisa data secara univariat dan analisa bivariat dengan T-Test Dependen dan T-Test Independent

Hasil penelitian yang diperoleh dari seluruh responden, 100 orang balita (100%), seluruhnya dalam status perkembangan normal. Dan diketahui bahwa persentase terbesar pada kualitas buku KIA yaitu pada tingkat relevansi informasi, yaitu sebesar 64 %, sedangkan persentase terbesar pada kualitas aplikasi yaitu pada kualitas ketepatan waktu informasi, yaitu 80%.

Kesimpulannya dapat diketahui bahwa penggunaan Aplikasi Rajabalita sangat bermanfaat dan efektif dalam memantau tumbuh kembang balita pada masa pandemic

Saran Peneliti menyarankan untuk terus melakukan kegiatan yang melibatkan masyarakat dalam hal pencegahan stunting dengan metode yang terus berinovasi, dan menggunakan media yang bermacam macam, sehingga akan lebih banyak masyarakat yang tertarik untuk melibatkan diri, dan pada akhirnya dapat menimbulkan kesadaran dan kemandirian masyarakat

Keyword : Balita; Aplikasi; Rajabalita; KIA;Tumbuh kembang

ABSTRACT

Background: The government in monitoring the growth and development of toddlers, one of which is using a program for weighing and measuring the height of toddlers at Posyandu which is outlined or documented in the KIA book. Using the KIA Book is very useful for parents in monitoring the growth and development of toddlers. Researchers compared the effectiveness of using the Rajabalita application with using the KIA book in monitoring growth and development in toddlers.

The aim of this research is to find out the comparison of monitoring toddler growth and development using the Rajabalita Application and the KIA Book

This research method uses a true-experimental research design, two groups with a pre- and post-test design. The sampling technique is Simple Random Sampling with a sample size of 100 people. Univariate data analysis and bivariate analysis with Dependent T-Test and Independent T-Test

The research results obtained from all respondents, 100 toddlers (100%), were all in normal development status. And it is known that the largest percentage of the quality of the KIA book is the level of relevance of the information, namely 64%, while the largest percentage of the quality of the application is the quality of the timeliness of the information, namely 80%.

In conclusion, it can be seen that using the Rajabalita Application is very useful and effective in monitoring the growth and development of toddlers during the pandemic

Suggestions: Researchers suggest continuing to carry out activities that involve the community in preventing stunting with methods that continue to innovate, and using a variety of media, so that more people will be interested in getting involved, and in the end it can raise community awareness and independence.

Keyword : Toddler; Application; Rajabalita; KIA; Growth and development

INTRODUCTION

WHO (World Health Organization) or the World Health Organization officially declared the corona virus (COVID-19) as a pandemic on March 9 2020. This means that the corona virus has spread widely throughout the world, including Indonesia and the city of Bandar Lampung in particular.

The term pandemic seems scary but is actually not related to malignancy but rather to its widespread spread. In facing the non-natural disaster outbreak Covid-19, society must apply the principles of infection control prevention and physical distancing. However, daily activities and life must continue, including in the health service line. This also includes health services for toddlers. The main problem for toddlers in Indonesia currently is the still high incidence of stunting.

Currently, many programs have been launched by the government in terms of monitoring the growth and development of toddlers, one of which is the program for weighing and measuring the height of toddlers at Posyandu which is outlined or documented in the KIA book. Using the KIA Book is very useful for parents in monitoring the growth and development of toddlers.

During the current pandemic, researchers assume that monitoring the growth and development of toddlers can be carried out by parents using an application, thereby reducing the risk of contact with health workers. In this way, we can minimize the risk of toddlers and parents contracting the Covid-19 virus, but still monitor the growth and development of their toddlers.

On this occasion, researchers intend to compare the effectiveness of using the Rajabalita application with using the KIA book in monitoring growth and development in toddlers.

RESEARCH METHODS

The design of this research is true-experimental research, two groups with a pre- and post-test design. The sampling technique is Simple Random Sampling with a sample size of 100 people. Univariate data analysis and bivariate analysis with Dependent T-Test and Independent T-Test

The research results that have been achieved are that research activities have been carried out by teaching two groups of respondents. Respondents at PMB Lia Maria are mothers who have toddlers, and are taught how to monitor the growth and development of toddlers using an application on the mother's cell phone. Another group is respondents at PMB Marlina Turnip, namely mothers who have toddlers who are taught how to monitor the growth and development of toddlers using the KIA book in the control group, then the toddler's growth, toddler development and mother's knowledge are measured. Questionnaires were given offline to respondents, beforehand a class was held to provide socialization on how to fill out the questionnaire. Respondents who had difficulty using the application were guided by an enumerator who worked at the Independent Midwife Practice where the respondent was used to getting toddler growth and development services.

Before collecting data, a perception equation was first carried out with the midwife and midwife assistant as enumerator. Enumerators were taught how to use the application to monitor the growth and development of toddlers in the intervention group, while in the control group, respondents used the KIA book to monitor the growth and development of toddlers.

RESEARCH RESULT
Growth Status of Toddlers in the KIA Application and Book Group

Table 1
Distribution of Toddler Growth Status in the KIA Application and Book Group

Distribution	Amount	Percentage
Application Group		
Normal	45	90
Thin	2	4
Fat	3	6
KIA Book Group		
Normal	48	96
Thin	0	0
Fat	3	6
Gemuk	2	4

Based on table 1, it is known that in the application group, 2 (4%) toddlers with growth status were thin, 3 (60%) were fat. In the KIA Book group, 48 (96%) toddlers had normal growth status, and 2 (4%) had normal growth status, and 2 (4%) had obese growth status.

Development Status of Toddlers in the KIA Application and Book Group

Based on table 2, it is known that of all respondents, 100 toddlers (100%), all of them were in normal development status.

Table 2
Distribution of Developmental Status of Toddlers in Rajabalita Application Group and KIA Books

Distribution	Amount	Percentage
Application Group		
Normal	50	100
Reference	0	0
KIA Book Group		
Normal	50	100
Reference	0	0

Table 3
Percentage Distribution of Quality of KIA Applications and Books

Buku KIA	STS	TS	N	S	SS
Information Display Quality	0	8.0	12.0	60.0	20.0
Information Trust Level	0	8.0	12.0	60.0	20.0
Timeliness Quality of Information	0	0	16.0	64.0	20.0
Information Relevance Level	0	0	24.0	60.0	16.0
KIA Book King Toddler Application					
Information Display Quality	0	0	0	68.0	32.0
Application Group Amount percentage	0	0	0	72.0	28.0
Timeliness Quality of Information	0	0	0	80.0	20.0
Information Relevance Level	0	0	0	76.0	24.0

Based on Table 3, it is known that the largest percentage of the quality of the KIA book is the level of relevance of the information, namely 64%, while the largest percentage of the quality of the application is the quality of the timeliness of the information, namely 80%.

Comparison of the Distribution of Toddler Growth Status in the MCH Application and Book Groups

Based on table 4, it is known that the average growth rate for toddlers in the Rajabalita application group is 0.27, the average in the KIA book group is 0.31. The P value is 0.169 which means there is no significant difference between the growth status of toddlers in the application group and in the MCH book group.

Table 4
Comparative Distribution of Toddler Growth Statusin the KIA Applications and Books Group

Group	Mean	SD	SE	P Value	N
Aplication Rajabalita	0.2676	1.729837	0.345967	0.169	50
KIA Book	0.30992	1.134215	0.226843		50

Comparison of the Distribution of Toddler Development Status in Groups A and B

Based on table 5, it is known that the average development of toddlers in the Rajabalita application group is 86,707, the average in the KIA book group is 84,005. The P value is 0.0, which means there is a significant difference between the developmental status of toddlers in the application group and in the MCH book group

Table 5
Comparative Distribution of Toddler Developmental Status In Groups A and B

Group	Mean	SD	SE	P Value	N
Aplication Rajabalita	86.707	15.77313	3.55463	0,0	50
KIA Book	84.005	1.134215	0.226843		50

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