

# **PROCEEDINGS**

4<sup>th</sup> INTERNATIONAL CONFERENCE

ON HANDLING NON-COMMUNICABLE DISEASES (3ndICHNCDs)

"Education Transformation through Empowering Education and Health Professionals in Global Era"

Wednesday, June 14, 2022

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POLITEKNIK KESEHATAN KEMENKES SEMARANG

# Center of Excellent Poltekkes Kemenkes Semarang 2022

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4<sup>th</sup> INTERNATIONAL CONFERENCE ON HANDLING NON-COMMUNICABLE DISEASES (3ndICHNCDs)

"Education Transformation through Empowering Education and Health Professionals in Global Era" Wednesday, June 14, 2022

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4th INTERNATIONAL CONFERENCE
ON HANDLING NON-COMMUNICABLE DISEASES (3ndICHNCDs)

"Education Transformation through Empowering Education and Health Professionals in Global Era"
Wednesday, June 14, 2022

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### **PREFACE**

World Health Organization (WHO) officially declared the coronavirus (COVID-19) a pandemic in March 2020, significance that COVID-19 has spread widely in the world. Governments in many countries have issued many strategies and policies in dealing with COVID-19 cases. The Indonesian government has issued several policies, namely, releasing health protocols/guidelines, campaigning handwashing-using masks-keeping physical distance, establishing large-scale social restrictions, prohibiting Eid homecoming, preparing laboratories for COVID-19 tests, running COVID-19 tests in various places, establishing a new-normal order, and now implementing COVID-19 Vaccination Program.

However, amid the spike in COVID-19 cases even increasing in Indonesia, many people still ignore health protocols. Governments should engage through participatory efforts in a proactive, regular, transparent, and unambiguous manner with all affected and at-risk populations. Health Polytechnic of Semarang has capacity to build understanding knowledge, behaviors, perceptions, and identify the proper interventions, collaboration and community-based networks and influencers to empower the role of healthcare providers.

In a public health emergency such as the ongoing COVID-19 pandemic, one essential lifesaving action is Society Empowerment. Participatory society engagement interventions should include accurate information on risks, what is still unknown, what is having finished finding answers, what activities are being taken by health authorities, and what actions people can take to protect themselves. The participation of every member of at-risk and affected communities is needed to prevent infection and transmission especially when people have diseases.

Health care providers become the main pioneers in overcoming pandemic era. In this case, Semarang Health Polytechnic also contribute to provide the new generation of professional health care provider in the future. Health Polytechnic of Semarang will be a central determinant of the response effectiveness in managing society to prevent and promote for handling non communicable diseases. Building the capacity of national, regional, and local stakeholders is essential to empower the health providers to contribute well to achieve health status in the community.

Health Polytechnic of Semarang as one of healthcare provider always has a commitment to educate students with medical background. According to this point, Health Polytechnic of Semarang commit to create output of health care professional that will be able to compete to both globalization and digital era by conducting local wisdom of Indonesia.

Semarang, June 14, 2022 Committee Chief.

Dr. Rr. Sri Endang Pujiastuti, SKM.,MNS

### **SPEAKERS**

Keynote Speaker

Direktur Jenderal Tenaga Kesehatan

drg. Arianti Anaya, MKM

"Transformation Education Strengthen Health System in Indonesia"

Speaker 1

Dr. Suharsono, MN

"Empowering the Community to Participate for Improving Health Status"

Speaker 2

Dr. Jerico Pardosi

"The Role of Transformation and Digital Literation in Health Promotion"

Speaker 3

Dr. Bedjo Santoso, S.SiT, M.Kes

"Model and Media 222 Poster Pop up touch Button Audio as an Effort to Improve Dental Health Maintenance Behavior in the School"

Speaker 4

Madiha Mukhtar, M.SN

"Innovation Research in Education"

## RUNDOWN International Conference

### "Education Transformation Through Empowering Education And Health Professionals In Global Era" Politeknik Kesehatan Kemenkes Semarang

### nık Kesenatan Kemenkes Semaran Tahun 2022

		PIC
08.00 - 09.00 WIB	Registration	IT
09.00 -09.30 WIB	Opening Ceremony	MC
	<ol> <li>Indonesian Raya</li> <li>Mars of Poltekkes Kemenkes Semarang</li> <li>Hymne of Poltekkes Kemenkes Semarang</li> </ol>	IT
	Praying	Sudiarto, MN
	Committee Report from The Chief Committee (Dr. Rr. Sri Endang Pujiastuti, MNS.)  Welcome Speech from Director of Semarang	MC
	Health Polytechnic	
	International Webinar	
09.30 - 10.00 WIB (change 11.00 WIB)	Keynote Speaker Direktur Jenderal Tenaga Kesehatan drg. Arianti Anaya, MKM "Transformation Education Strengthen Health System in Indonesia"	Moderator: Wadir / Kapus 30 minutes (20 m presentation and minutes discussion
09.30 – 10.00 WIB	Speaker 1 Dr. Suharsono, MN "Empowering the Community to Participate for Improving Health Status"	Moderator: Dr. Mardiyono 30 minutes (20 m presentation and minutes discussio
10.00 – 10.30 WIB	Speaker 2 Dr. Jerico Pardosi "The Role of Transformation and Digital Literation in Health Promotion"	Moderator: Dr. Mardiyono 30 minutes (20 m presentation and minutes discussion
10.30 - 11.00 WIB	Speaker 3 Dr. Bedjo Santoso, S.SiT, M.Kes "Model and Media 222 Poster Pop up touch Button Audio as an Effort to Improve Dental Health Maintenance Behavior in the School"	Moderator: Dina Luthfita P. S.Gz, M.Sc 30 minutes (20 m presentation and minutes discussion
11.00 – 12.00 WIB	Keynote Speaker Direktur Jenderal Tenaga Kesehatan drg. Arianti Anaya, MKM "Transformation Education Strengthen Health System in Indonesia"	IT
	Certificate Appreciation	
12.00 - 13.00 WIB	BREAK / ISHOMA	
13.00 - 13.40 WIB	Speaker 4 Madiha Mukhtar, M.SN "Innovation Research in Education"	Moderator: Dina Luthfita P. S.Gz, M.Sc

## SPEECH BY DIRECTOR OF POLITEKNIK KESEHATAN KEMENKES SEMARANG in 4th INTERNATIONAL CONFERENCE

ON HANDLING NON-COMMUNICABLE DISEASES (3ndICHNCDs)
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Wednesday, June 14, 2022

Assalamualaikum wr wb

Good Morning Ladies and Gentlement, Because of The God Allah SWT, We are staying togetherness to do the responsibilities in this scientific meeting Call for Paper the fourth International Conference 2022.

Excellencies, distinguished guests, ladies and gentlemen I would like to express all of the audiences who participate in this event, especially the dellegates that are as a CO-HOST from Poltekkes Kemenkes Jayapura, Poltekkes Tanjung Pinang, Stikes Bhakti Wiyata Kediri, Universitas Ngudi Waluyo, dan Poltekkes Kemenkes Makasar/ I had the honour of having all audiences with a good conditions and wellness It is a great pleasure for me to welcome you all to the event regarding CALL FOR PAPER today. This event provide the lecturers, students to present their paper that will share the knowledge, information and stimulate possible ideas for the future research. Together, we must learn from the researchs' result of the past, take the opportunities of the present to share and shape the future we all want to continue research. It can emphasise why this paper is important to the support the proposal research and why the researchers or the authors should present in the scientific event. It can show why the study is qualified to empower about the topic and share their insights. So, the presentation of the each paper is a proof effort of the authors to explore more the spesific competence to future research. Moreover, Poltekkes Kemenkes Semarang encourages our participants to stay happyly and maintain scientific situations when others have a oral presentation of which this international conference. It will be the interesting scientific meeting and foundations for the authors in the future studies including the researchs, the community services, and also the basic to implement integrating the results of the research in advances teaching learning. I would like to thank all the delegates, the study Program authorities around the Poltekkes Kemenkes Semarang, who have supported this event and also the Committee.

The wise words
We can not solve the our problem with Same thinking,

We used when We Created Them (Albert Eistein).

Experience is the Hardest Kind of Teacher, It Gives you test First, and Lesson Afterward (Oscar Wilde)

FINALLY, ENJOY FOR YOUR PRESENTATION Waalaikumsalam Wr Wb.

### SPEECH BY CHIEF ORGANIZING COMMITTEE OF 4th INTERNATIONAL CONFERENCE

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Assalamu'alaikum wr wb

Good morning ladies and gentlement, Fisrtly, My Honourable People Excellencies, distinguished guests, ladies and gentlemen

Health Polytechnic of Semarang have declared to do the vision "As the institution who be able to produce the professional graduation of students based on the vision local wisdom and recognized internationally. I do feel very humble this morning when I'm introducing on behalf of the committee International Conference May 27, 2022 and Call For Paper today. I would like to express all of the audiences who participate in this event, especially the dellegates that are as a CO-HOST from Poltekkes Kemenkes Jayaoura, Poltekkes Tanjung Pinang, Stikes Bhakti Wiyata Kediri, Universitas Ngudi Waluyo, dan Poltekkes Kemenkes Makasar/ The deepest respects for co host that the purpose of interissting collaboration to be a good reasons for avalaible in ths event. Oral Presentation is an important dissemination in one's result of the research. It is the key to success empowering in the future research and to have many opportunities in academic carrier as researcher or educator surounding scientific meeting. The sciencetific meeting has many advantages for authors, for instance, it illuminates a person's mind and thinking. It helps authors to plan for continuing research, socialize the results of the research, or it assesses other listenner to support a good opinion that making stronger innovation for developing ideas in research and develop the program of community services.. Having oral presentation through the seminar or conference build people think, feel, and behave in a way that contributes to their success, and improves not only their personal satisfaction but also create networking. Furthermore, on behalf of the committee, the respectful

the respectful regards for all participants

All in all

Semarang, June 14, 2022

Chief Commitee

# THE EFFECT OF GIVING A PICTURE BOOK POCKET IS ABOUT PREVENTION OF MOTHER TO CHILD HIV TRANSMISSION TOWARD PREGNANT MOTHER'S KNOWLEDGE IN MIDWIFE INDEPENDENT PRACTICE SURYATI ROMAULI, S.S.T., M.KES

### Endang Trisnawati: ;Suryati Romauli: endangmegarezky@gmail.com:

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#### Abstract

HIV / AIDS is a disease that continues to grow and become a global problem in the world. More than 90% of children infected with HIV are obtained from their mothers. The detection and prevention of HIV events during pregnancy must be prioritized and it is very important to reduce HIV transmission from mother to child. In carrying out the health education process, media tools are needed in the form of picture books. To find out the effect of giving a picture book on mother to child HIV prevention on the knowledge of pregnant women in the Independent Practice of Midwife Suryati Romauli, S.S.T., M.Kes.

This research is an experimental research. This research design uses Quasy Experiment, with One group pre test post test. The sample in this study amounted to 45 respondents, with a sampling technique Preposive sampling. Using the Wilcoxon statistical test.

The results of the study using the Wilcoxon test showed that the p-value = 0.000 < 0.05, thus,  $H_0$  was rejected and  $H_a$  was accepted meaning that there was a difference between pre-test and post-test, so it could be concluded that "there was an effect of giving a picture book on prevention Transmission of HIV from Mother to Child to the knowledge of pregnant women at BPM Suryati Romauli, S.S.T., M.Kes."

Keywords: Picture book pocket, PPIA Knowledge, Pregnant women

### 1. Introduction (Book Antiqua 10pt Bold)

HIV/AIDS is a disease that continues to grow and becomes a global problem that hit the world. At the end of 2016 it was estimated that 36.7 million people in the world were living with HIV, as many as 1.8 million people were newly infected with HIV, and caused 1 million deaths in 2016. (WHO, 2017)

More than 90% of children in 2013 infected with HIV were obtained from their mothers. The HIV virus can be transmitted from an HIV-infected mother to her child during pregnancy, during childbirth and breastfeeding (Minister of Health of the Republic of Indonesia, 2013). According to (Drake, 2014) pregnancy and postpartum are at high risk for HIV. The risk of mother-to-child transmission is higher among the incidence of infection in women. Detection and prevention of HIV events during pregnancy or postpartum should be prioritized and is very mother-to-child important reduce to transmission of HIV (Mokoagow, 2017).

In contrast to the mode of transmission of HIV/AIDS in several areas in Indonesia, namely

the use of syringes for drug users, in Papua Province, based on data from the Papua Provincial Health Office in December 2010, the transmission was 90% dominated by unsafe sexual relations, and 4% vertical transmission from mother to child. baby (perinatal). When viewed from this situation, efforts to break the chain of HIV/AIDS transmission in Papua must be aimed at changing irresponsible sexual behavior and preventing transmission from parents to their unborn babies (Rabrageri, Siswosudarmo, & Soetrisno, 2017)

The Papua Provincial Health Office noted that as of March 1, 2019, the number of people living with HIV/AIDS in the area had crossed 40,805 cases. The figures are divided into 15,935 cases of HIV sufferers and 24,870 cases of AIDS. The number of cases is data from all districts and cities in Papua province. (DinKes, 2019)

In carrying out the health education process, media is needed as a tool. The media is no stranger to the learning process. With the media, complex and unclear learning materials can be delivered to the target more simply and easily captured. The media chosen to assist the health

education process is a picture pocket book. The media was chosen because it can help disseminate information in a relatively short time, the form of the pocket book is small and thin when compared to other. (Fauziyyah, 2018)

Previous research related to the use of pocket books (booklets) as conducted by (Artika, 2019) the results showed that booklets and leaflets had an influence in increasing adolescent knowledge about the impact of teenage pregnancy with a p-value of 0.001 < 0.05. From the results of the independent T test, it was shown that there was a difference effectiveness between booklets and leaflets with a p-value of 0.001 < 0.05. Booklets and leaflets have an influence in increasing knowledge, when compared to the two media, booklet media are more effective than leaflet media in increasing adolescent knowledge about the impact of teenage pregnancy at Pertiwi Private High School Jambi City. (Lia Artika, 2019)

According to the Jayapura District Health Office, the cumulative number of HIV AIDS cases up to December 2016 was 2281, 1246 HIV cases and 1035 AIDS cases, 242 died so that the case fatality rate was 19.41%, HIV attacks all age groups, the highest rate of HIV / AIDS attacks the productive age as many as 2115 (93%) cases consisting of 15-19 years old = 206 (10.27%) cases, 20-29 years old = 1117 (1.89%) cases, 30-39 years old = 598 (3.54%) cases and 40-49 years = 194 (10.90%) cases. (DinKes, 2019)

Based on monthly report data from the Independent Practice Midwife Suryati Romauli, S.S.T., M.Kes, from July to December 2020 there were 203 pregnant women who came to visit, with K1 as many as 120 visits, K4 as 83 visits. From the 120 K1 visits, 12 people (10%) have been counseled and have had an HIV test, the rest have received HIV counseling, but have not done an HIV test in the laboratory.

### 2. Method

This research is an experimental research. Experimental research is the only research method that can truly test hypotheses regarding causal relationships (Sudaryono, 2018). The design of this study used a Quasy Experiment, with one group pre-test post-test, the design in this study was an intervention group that was given treatment by giving a picture pocket book. The sampling technique in this study was preposive sampling technique, the sample in this study were all pregnant women who performed ANC K 1 at the

Independent Practice of Midwife Suryati Romauli, S.S.T., M.Kes as many as 45 pregnant women. The statistical test used to determine the difference in knowledge between before and after the intervention was the Wilcoxon test.

### 3. Result and Discussion

**Table 1.** The Effect of Providing Picture Pocket Books on The Knowledge of Pregnant Women at PMB Suryati Romauli, S.S.T., M.Kes

Variabel	Pre test		Post test		P-Value
	N	0/0	N	%	
Good	18	40.0	45	100.0	000
Knowledge					
Enough	26	57.8	0	0.0	
knowledge					
Lack of	1	2.2	0	0.0	
knowledge					

Based on the table above, it can be known using the wilcoxon test, a p-value of 0.000 is obtained. It can be seen that the p-value of 0.000 < 0.05 then it can be seen that there is a significant difference between before and after the gift of a picture pocketbook, so it can be concluded that, H0 is rejected and Ha is accepted, this shows that "there is an influence of the provision of a Picture Pocket Book on the Prevention of HIV Transmission from Mother to Child on the knowledge of pregnant women in BPM Suryati Romauli, S.ST., M.Kes".

This is in accordance with the theory that knowledge is influenced by external factors in the form of health education by giving booklets. In accordance with the theory according to Kemm and Close in Aini (2010) booklets have several advantages, namely that they can be studied at any time, because the design is in the form of a book and contains relatively more information compared to posters.

Some respondents claimed to have never received information about through print media such as books, magazines, newspapers, or other types of print media, so researchers tried to provide information about Preventing HIV Transmission from Mother to Child through print media. The media used is print media in the form of picture pocket books. The pocketbook provided contains material on Preventing HIV Transmission from Mother to Child supported by interesting images and visualizations. A pocket book is a book with a small size the size of a pocket so that it is effective to carry anywhere and can be read at any time when needed, with the effectiveness of the pocket book, pregnant

women can gain knowledge about Preventing HIV Transmission from Mother to Child

This means that picture pocket books are an effective medium in providing counseling because the material in them is discussed clearly and simply or briefly which facilitates understanding, especially in terms of their sense of view. (Yuliani, 2015).

This research is in line with research conducted by Lia Artika Sari (2019), saying that the difference in the average knowledge of young women about the impact of adolescent pregnancy between before and after providing education using picture pocket books has increased with a statistical test p-value of 0.001 <0.05. From the results of the independent T test, it shows that there is a difference in effectiveness between the booklet and leaflet with a p-value of 0.001 <0.05.

This is in accordance with the theory that knowledge is influenced by external factors in the form of health education by giving booklets. In accordance with the theory according to Kemm and Close in Aini (2010) booklets have several advantages, namely that they can be studied at any time, because the design is in the form of a book and contains relatively more information compared to posters.

#### 4. Conclusion and Sugestion

The conclusion in this study is that there are differences before and after the provision of illustrated pocket books on the level of knowledge of pregnant women about PPIA at BPM Suryati Romauli, S.S.T., M.Kes in 2020 where the wilcoxon test results show a p-value  $(0.000) < \alpha \ 0.005$ .

It is hoped that in the future, a picture pocket book on Preventing HIV Transmission from Mother to Child can be used as a source of information to increase the knowledge of other pregnant women who visit AT PMB Suryati Romauli, S.S.T., M.Kes. and can be used as input for education in the learning process of obstetrics students, so that a real picture of the influence of picture pocketbook-based about PPIA can be obtained on increasing the knowledge of pregnant women.

### 5. Acknowledgements

Thank you very much to the director of poltekkes of the Ministry of Health Jayapura, the head of the center for research and community service poltekkes of the Ministry of Health Jayapura, Midwife Suryati Romauli, S.ST., M.Kes

for her support and permission to conduct this research, as well as all midwives and pregnant women who have been willing to help in this research.

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