



Transformation
Towards the Ultimate

Kampus
Merdeka
INDONESIA

PROGRAM AND ABSTRACTS BOOK

4th Public Health International Conference (PHICo 2021)

“ The Role of Public Health in Empowering
Society in Managing COVID-19 Pandemic ”

September, 17th - 18th 2021

Faculty of Public Health
Universitas Sumatera Utara
Medan, Indonesia



PROGRAM AND ABSTRACT

4th Public Health International Conference (PHICo 2021)

***“The Role of Public Health in Empowering Society in Managing COVID-19
Pandemic”***

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WELCOMING SPEECH AND OPENING BY RECTOR OF UNIVERSITAS SUMATERA UTARA



Welcome to Universitas Sumatera Utara. Welcome to the 4th PHICo (Public Health International Conference) with the theme “The Role of Public Health in Empowering Society in Managing COVID-19 Pandemic”. This is the 4th of the International Conference hosting by Faculty of Public Health, Universitas Sumatera Utara, yet the 1st conference conducted virtually. We are very pleasure to welcome all of you, researchers, lecturers, industry, educational institutions and other institutions. It’s such an honour for us to have you all.

As we all know, world is facing pandemic right now. The COVID-19 affects life in all sectors, including public health. It has devastating effects in human health. The outbreak of coronavirus disease (COVID-19) has drawn attention to the resilience of the health system and emergency preparedness and response in countries. It is good that, Faculty of Public Health, Universitas Sumatera Utara takes part in this situation by raise this COVID-19 pandemic issue into a theme of The 4th PHICo (Public Health International Conference).

Universitas Sumatera Utara is trying to make a transformation. We raised a tagline “Transformation Towards Ultimate” to elevate our international standard. In the future, USU has to become a university with international standard characterized by local wisdom. This is in accordance with the objectives of this conference ; to open the insights of scientists to develop research, to provide a place for disseminating research information, fasilitate interaction with scientists, academics, and practitioners worldwide, and colaborate with universities abroad. We do appreciate your enthusiasm, and looking forward to another great collaborations. Last but not least, I'd want to take this opportunity to thank all of the outstanding speakers and members of the organizing committees for their outstanding preparations and arrangements for this conference, as well as you, the attendees, who have made it possible. Finally, I encourage all the participants to take full advantage of this conference and expand international collaboration both in education and research.

Rector of Universitas Sumatera Utara

Dr. Muryanto Amin, S.Sos, M.Si

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2021

PARALLEL SESSION

ROOM : 3

SESSION : 1

TIME : 09.00 – 12.00 WIB

No	TIME	ID	TITLE	PRESENTER
1.	09.00-09.10	14303	Preconception Women's Diet During The COVID-19 Pandemic: Phenomenological Study	Rina Doriana Pasaribu
2.	09.10-09.20	14580	Design Thinking of DEPA 2.1 Application Development to Support Children Growth Monitoring	Tri Siswati
3.	09.20-09.30	14583	Risk Factors of High Fat Intake for Pregnant Women in the Second and Third Trimester during The CIVID-19 Pandemic	Aisyah Fariandini
4.	09.30-09.40	14591	Does Sleep Quality Act as a Mediator for the Relationship Between Gestational Age and Anxiety for Carbohydrate Intake During Pregnancy?	Zerly Agrisdian
5.	16.30-16.40	15165	Prevalence of Methicillin-Resistant Staphylococcus Aureus in a Tertiary Teaching Hospital in Malaysia	Nor Rumaizah Mohd Nordin
6.	09.50-10.00	14672	Household Food Insecurity, Level of Nutritional Adequacy and Nutritional Status of Toddlers in the Coastal Area of Central Tapanuli Regency	Herta Masthalina
7.	10.00-10.10	14765	Giving Modified Onion Chips with Mocaf and Moringa Leaf Flour to Hemoglobin Leves of Anemic Adolescent Girls	Hijrah Mutiara Adha
8.	10.10-10.20	14768	Changes in body weight of Undernourished Toddlers Aged 2-5 Years who were Given Cookies Substituted with Mocaf Flour, Red Beans, and Herbal Chicken Gizzard	Meta Agrifina
9.	10.20-10.30	14908	Relationship of Income and Mother's Nutritional Knowledge with Family Food Security at Tapanuli Tengah Regency	Ernita Naibaho
10.	10.30-10.40	14936	Obesity Risk Analysis During The COVID-19 Pandemic: A Systematic Review	Endang Susilawati
11.	10.40-10.50	14955	Positive Deviance on the Nutritional Status of Children Under Five and Food Security in the Coastal Area of Central Tapanuli Regency	Herta Masthalina
12.	10.50-11.00	14977	Giving Cookies Substituted Mocaf Flour and Varied with Red Bean	Meta Agrifina

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Design Thinking of DEPA 2.1 Application Development to Support Children Growth Monitoring

Tri Siswati^{1*}, Tjaronosari Tjaronosari², Nurhidayat Nurhidayat³, Herni Endah Widyawati⁴

¹²³⁴Poltekkes Kemenkes Yogyakarta, Yogyakarta, Indonesia

^{1*}trisiswati14@gmail.com, ²tjaronosari@yahoo.co.id, ³nur.hidayat@poltekkesjogja.ac.id,

⁴herni@poltekkesjogja.ac.id

Abstract

BACKGROUND: Due to pandemic Covid-19, Posyandu was disrupted affecting child growth monitoring.

AIM: This study aims to design of the DEPA application.

METHODS: This was research and development of children's anthropometric using android applications based on PMK no 2 year 2020, namely DEPA application. Design focuses on prototype, which means turning ideas into actual products, by inviting several stake holders and users in Focus group discussions. The step were designing materials and storyboards, compiling content, navigation, flow, determining the appropriate software program. Research was carried out on May-June 2021 in Yogyakarta. Focus Group Discussion (FGD) was taken to collect the information of tailor the application.

RESULTS: The FGD was attended by stakeholders from the nutritionist/programmer in health office province and district level, midwifery, psychologists, organisation of pre school children, childhood teachers, Posyandu cadres, health promotion officers, Women Empowerment and wellbeing organisation (PKK) as many as 18 persons. There were information and recommendation about design application includes growth and child development. The storyboard show toddler menu interface such as identity and general information. While the growth children include weight and body height, nutritional status, trend, interpretation and recommendation. On the child development have figure standar, assesment, interpretation, stimulation, and recommendation. There were several stakeholder suggestion for improving the design, ie. general language, functional application to support standard one of pre-school accreditation, support Posyandu program and friendly use for maternal.

CONCLUSION: The DEPA application load interface children identity, general information, child growth and development standart, interpretation and recommendation. The prototype of DEPA application was potential support to programmer necessary, pre-school children accreditation, Posyandu and self assesment children growth and development

Keywords: Smart Phone, Application, Anthropometry, Development, Toddler.