



# PROCEEDING OF THE INTERNATIONAL WEBINAR COVID-19 PANDEMIC:

**Impacts, Strategies, and Challenges  
on The Urban Health**

## WEBINAR SERIES

20- 21 and 27- 28 August 2021

## PAPER PRESENTATION

"Impact of Covid-19 pandemic on health, medical education,  
healthcare, physical activity, and others"

3 - 4 September 2021

**School of Medicine and Health Sciences  
Atma Jaya Catholic University of Indonesia 2021**

**PROCEEDING OF THE  
INTERNATIONAL  
WEBINAR  
COVID-19  
PANDEMIC:**

**Impacts, Strategies, and Challenges  
on The Urban Health**

# **PROCEEDING OF THE INTERNATIONAL WEBINAR COVID-19 PANDEMIC:**

**Impacts, Strategies, and Challenges  
on The Urban Health**

**EDITOR**

Dr. dr. Veronika Maria Sidharta, M.Biomed.  
apt. Shery Tandj Arrang, M.Farm-Klin



PENERBIT UNIVERSITAS KATOLIK INDONESIA

**ATMA JAYA**

**PROCEEDING OF THE INTERNATIONAL WEBINAR COVID-19 PANDEMIC:**  
Impacts, Strategies, and Challenges on The Urban Health

© Penerbit Universitas Katolik Indonesia Atma Jaya

Penerbit Universitas Katolik Indonesia Atma Jaya

Anggota IKAPI—Ikatan Penerbit Indonesia—Jakarta

Anggota APPTI—Anggota Asosiasi Penerbit Perguruan Tinggi Indonesia

Penerbit Universitas Katolik Indonesia Atma Jaya

Jl. Jend. Sudirman Kav. 51

Jakarta 12930 Indonesia

Phone : (021) 5703306 psw. 631

E-mail : [penerbit@atmajaya.ac.id](mailto:penerbit@atmajaya.ac.id)

Website : <http://www.atmajaya.ac.id>

Cetakan Pertama, Oktober 2021

**Steering Committee** : Dr. dr. Felicia Kurniawan, M.Kes.

Dr. dr. Ignatio Rika Haryono, Sp.KO

Dr. dr. Yuda Turana, Sp.S

Dr. dr. Soegianto Ali, M.Med.Sc.

dr. Ricky Yue, Sp.THT-KL

**Reviewer** : dr. Nawanto A. Prastowo, Sp.KO

Maria M. Martini Kaiser, Ph.D.

Dr.rer.nat. Agustina Nurcahyanti, M.Si., M.Sc.

dr. Marcella Adi Suhanto, Sp.PD

**Editor** : Dr. dr. Veronika Maria Sidharta, M.Biomed.

apt. Sherly Tandi Arrang, M.Farm-Klin

**Design Cover** : Dr. dr. Veronika Maria Sidharta, M.Biomed. (design cover by *freepik*)

**Layout** : apt. Sherly Tandi Arrang, M.Farm-Klin

ISBN: 978-623-6782-63-3 (PDF)

Hak cipta dilindungi Undang-Undang

Dilarang mengutip atau memperbanyak sebagian atau seluruh isi buku ini tanpa izin tertulis dari Penerbit.



**INTERNATIONAL WEBINAR  
"COVID-19 PANDEMIC: IMPACTS, STRATEGIES, AND CHALLENGES  
ON THE URBAN HEALTH"**

20-21 August 2021, 27-28 August 2021, 3-4 September 2021

**TABLE OF CONTENT**

Foreword .....	viii
Event Schedule .....	1
Abstract – Plenary Sessions:	
Secondary Infections during SARS-CoV-2 Infection: Experiences from the Netherlands.....	8
The Role of Host Genetics on Covid-19 Infection and Severity .....	9
New Strain of SARS CoV 2: Is There Any Implication on Diagnostic Tools and Vaccine Development? .....	10
COVID and Dementia.....	11
Long COVID Syndrome in Older Adults.....	13
Coagulopathy in Senior Adult with COVID-19.....	17
Global Clinician Survey Findings on Behalf of the International Society in Addiction Medicine (ISAM) around COVID-19 and Substance Misuse Services .....	19
Substance Abuse during COVID-19 Pandemic: Problem and Solution, and Mental Health during Pandemic.....	21
Behavioural Addiction during Social Distancing: How To Cope.....	22
Travel Medicine in the COVID Era.....	24
Building Evidence in Pharmacy Practice Research .....	26
Drug Discovery and Development before and during COVID-19 Pandemic.....	27
Mental Health Care for People Living with HIV during the Pandemic Era.....	29
Abstract – Oral Presentation:	
1A-1 – A Systematic Review: Blood Clot Risk Factors in Covid-19 Vaccination and Hormonal Contraception .....	32
1A-2 – Association between Frailty and COVID-19 Severity in Hospitalized Elderly Patients.....	34
1A-3 – Overview of Anosmia Symptoms in Covid-19 Patients .....	35





**INTERNATIONAL WEBINAR**  
**"COVID-19 PANDEMIC: IMPACTS, STRATEGIES, AND CHALLENGES**  
**ON THE URBAN HEALTH"**

20-21 August 2021, 27-28 August 2021, 3-4 September 2021

1A-4 – Adverse Effects of mRNA-1273 Vaccine on the Vaccination Day: A Preliminary Study in Healthcare Workers of Atma Jaya Hospital .....	37
1A-5 – Impaired Liver Function in COVID-19 Patients: Literature Review .....	39
1A-6 – Association between Laboratory Parameters and Disease Severity in COVID-19 .....	41
1A-7 – Antibacterial Activity Test of Marine Sponge Extracts (Aaptos suberitoides).....	42
1A-8 – Study of Online Muscle Health Assessment during Covid-19 Pandemic on Indonesian Elderly .....	43
1A-9 – Identification of Factors Affecting the Workload of Primary Healthcare (Puskesmas) Officers during the Covid19 Outbreak .....	44
1B-1 – Autoimmune Disease and COVID-19: Are They Affecting Each Other? – A Case Series.....	45
1B-2 – Challenges in Managing COVID-19 Severe Illness in a Rural Setting: A Serial Case Report .....	47
1B-3 – Subacute Thyroiditis as Manifestation of Covid-19 Infection: A Case Report .....	49
1B-4 – Clinical and Histopathological Characterization of Skin Lesions in COVID-19.....	51
1B-5 – NSAID for COVID-19 Vaccine Side Effects, Does It Do More Good or Harm?: A Literature Review.....	49
1B-6 – Clinical Characteristic of Covid-19 in Elderly at Ulin Hospital, Banjarmasin.....	61
1B-7 – Frailty and COVID-19 Outcomes: A Literature Review .....	57
1B-8 – Analysis of Measuring the Level of Service Quality on BPJS Health Patient Satisfaction during the COVID 19 Pandemic with the Service Quality Method (Servqual): Case Study at Ar-Rahman Medika Clinic Karawang – West Java).....	59
1B-9 – Preliminary Study: Physical Activity and Nutritional Status of the Elderly during the Covid-19 Pandemic .....	61



**INTERNATIONAL WEBINAR**  
**"COVID-19 PANDEMIC: IMPACTS, STRATEGIES, AND CHALLENGES**  
**ON THE URBAN HEALTH"**

20-21 August 2021, 27-28 August 2021, 3-4 September 2021

2A-1 – Lactate Dehydrogenase as a Predictor for Severe COVID-19: A Cross-Sectional Study .....	63
2A-2 – Factors that Influenced the Covid-19 Titer Antibody Post-Vaccination .....	65
2A-3 – Observation on Inconclusive Results of SARS-CoV-2 by RT-qPCR .....	67
2A-4 – Classification of COVID-19 Dermatological Manifestations .....	69
2A-5 – First Year Medical Student Challenges of Basic Biomedical Block Online Study in Pandemic Covid-19 Era at Faculty of Medicine Cenderawasih University Papua .....	71
2A-6 – Undergraduate Medical Students' Online Learning Experiences during the COVID-19 Pandemic: Continue or Not? .....	72
2A-7 – The Relationship between the Online Learning System and New Students' Anxiety Levels during the Covid-19 Pandemic .....	74
2B-1 – The Obstacles in Routine Online Yoga Exercise Due to Social Restriction in Covid-19 Pandemic Among Middle Age and Elderly Population .....	76
2B-2 – Developing "Ibu Sehati" Application for Anemia Preventing Program: Information, Education, Communication Media during Covid-19 .....	78
2B-3 – The Aspects of Pathogen, Population, and the Behavior of the Population, in the Relationship between Herd Immunity and COVID-19 (A Systematic Review) .....	80
2B-4 – Sedentary Life Style and Risk of Metabolic Syndrome of Public Health Center Nurses during the Covid-19 Pandemic .....	81
2B-5 – The Knowledge of Adolescents about Preventing Covid-19 Infection in West Java .....	83
2B-6 – Translation and Adaptation Guide of WHO 'iSupport for Dementia' Indonesian Language version .....	85
2B-7 – Overview and Education of the Use of Red Ginger as Herbs to Increase Immunity during Covid-19 Pandemic .....	87
Organizing Committee .....	89



INTERNATIONAL WEBINAR  
"COVID-19 PANDEMIC: IMPACTS, STRATEGIES, AND CHALLENGES  
ON THE URBAN HEALTH"

20-21 August 2021, 27-28 August 2021, 3-4 September 2021



2B-2

**Developing "Ibu Sehati" Application for Anemia Preventing Program: Information, Education, Communication Media during Covid-19**

Aurelia Rifkha Anyndie, Nur Hidayat, Tri Siswati  
Poltekkes Kemenkes Yogyakarta, Jl. Tata Bumi No. 3, Banyuraden, Gamping, Sleman,  
Yogyakarta. 55293  
Email: aureliarifkha@gmail.com, nur.hidayat@poltekkesjogja.ac.id,  
trisiswati14@gmail.com

**Background:** Superspreader of Covid-19 now was a global pandemic and well known have enormous impact. IEC conventional program like face to face was no longer recommended due to avoid the transmission of Covid-19. The "Ibu Sehati" (Healthy Pregnant Women Without Anemia) application was application to educate and respons maternal health on anemia preventing.

**Purposes:** To find out the feasibility of the "Ibu Sehati" application.

**Method:** This research was Research & Development using ADDIE (analysis, design, development, implementation, and evaluation model. The analysis stage was carried out to determine the needs of field programmer and user conducting by interviews, the design stage were drafting features, flowcharts, storyboards and information. The development stage was creating the application and panel assessment (media, substansial, user). Re-design and re-development based on panel assesment. The implementation stage was carried out by implementing to pregnant women. The application was feasible due to score > 75 point, while an evaluation stage was by interviewing the panel and research subjects qualitatively. The study was conducted in January-March 2021, at Gamping II Public Health Center, Sleman, DIY, had an android and willing to be a participant. Data were analyzed descriptively.

**Result:** The analysis stage showed that application contained about anemia prevention, early detection, reminder notifications to consump Fe, balanced

- 78 -





**INTERNATIONAL WEBINAR**  
**"COVID-19 PANDEMIC: IMPACTS, STRATEGIES, AND CHALLENGES**  
**ON THE URBAN HEALTH"**

20-21 August 2021, 27-28 August 2021, 3-4 September 2021

diit during or pregnancy. The design stage poured features such as profiles, hemoglobin and MUAC score, anemia prevention, notification consuming Fe, and balance diit. The develop stage and panel assesment show that the "Ibu Sehati" was feasible (media, substantial and user panelist score were  $95.6 \pm 7.6$ ,  $80.6 \pm 5.6$ , and  $93.2 \pm 5.9$  respectively, categories very feasible. While the implementation showed  $78.63 \pm 4.6$  (very feasible). An evaluation stage showed that application was feasible as media IEC to prevent anemia during pregnancy.

**Conclusion:** During the COVID-19 pandemic, the "Ibu Sehati" application was appropriate to be used as an online educational media to support anemia prevention programs in pregnant women.

**Keywords:** application, Ibu Sehati, anemia, pregnant