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PROCEEDINGS



INTERNATIONAL
CONFERENCE
ON PUBLIC HEALTH
2020

THEME:

**CHILDHOOD STUNTING, WASTING, AND OBESITY,
AS CRITICAL GLOBAL HEALTH ISSUES:
FORGING CROSS-SECTORAL SOLUTIONS**

Due to COVID-19 pandemic, the 7th ICPH
is rescheduled to **NOV 18-19, 2020**
in Online Conference mode.



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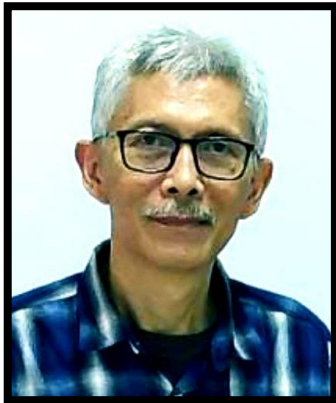


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PREFACE

Welcome to the 7th International Conference on Public Health. This conference is hosted by Universitas Sebelas Maret, in Solo city, Indonesia. It is organized by the Master's Program in Public Health, Universitas Sebelas Maret. This is the 7th of the International Conference on Public Health since 2016 and yet it is the first to be conducted online.



The theme of this meeting is “*Childhood Stunting, Wasting, and Obesity, as the Critical Global Health Issues: Forging Cross-Sectoral Solutions*”. But beforehand, I would like to greet warmly all of the participants of this meeting. It is my privilege and my pleasure to see all of you albeit virtually. I am pleased to acknowledge and welcome the honorable invited officials, the respectable guests, the distinguished international and national speakers, and the admirable participants.

Specifically, I would like to express appreciation to Prof. Ahmad Yunus the Vice Rector of Academic Affairs, who is on behalf of the Rector of Universitas Sebelas Maret, to open this conference officially. Then, I would like to extend my gratitude to all of the international and national speakers who have spared their valuable time to attend this online conference. Our distinguished invited speakers to whom we will listen their presentation are as follows:

1. Prof. Sandra Lopez Arana from the Department of Nutrition, the University of Chile, in Santiago, Chile
2. Prof. Linda Adair from the Department of Nutrition, Gillings School of Global Public Health, the University of North Carolina, in Chapel Hill, North Carolina, USA
3. Prof. Jenny Ruducha, the Director of the Braintree Global Health, in Vancouver, British Columbia, Canada.
4. Prof. Ashir Ahmed from the Department of Advanced Information Technology, the Kyushu University, in Fukuoka, Japan
5. Prof. Michael Dibley from the Sydney School of Public Health, the University of Sydney, in Sydney, Australia
6. Prof. Sanjay Mohanty from the Department of Fertility Studies, the International Institute for Population Sciences (IIPS), in Mumbai, India
7. Prof. Adang Bachtiar from the Faculty of Public Health, Universitas Indonesia, in Jakarta, Indonesia, who is also the Chairman of the Advisory Board, the Indonesian Public Health Association (IAKMI).
8. Dr Hanung Prasetya from the School of Health Polytechnics, Ministry of Health, in Solo, Indonesia, who is also the Secretary of this conference.

Next, I would like to acknowledge the important participation of more than 667 participants coming from 5 countries including Myanmar, Taiwan, Japan, Malaysia, and Indonesia. These participants are mainly graduate students, and the remaining are academicians, public health and nutrition professionals, clinicians, and health researchers.

More than 74 institutions are participating in this meeting, including universities, schools of health sciences, schools of health polytechnics, schools of midwifery, hospitals, and district health offices.

Due to time constraint, I would mention just two of them with the largest contingents, they are the University of Indonesia in Jakarta and the University of Aisyiah in Yogyakarta. As I mentioned before the theme of this conference is *“Childhood Stunting, Wasting, and Obesity, as the Critical Global Health Issues: Forging Cross-Sectoral Solutions”*. This conference aims to discuss the current problems of childhood malnutrition (including stunting, wasting, overweight, and obesity), their causes and consequences. It also aims to discuss and provide recommendations of the multisectoral and transdisciplinary solutions to childhood malnutrition. This theme is chosen not only because of the double burden of childhood malnutrition that can lead to a damaging long-term impact but also because it may emerge as an adverse impact of Covid-19 pandemic.

The conference is conducted in two days. It has 3 programs including: (1) Symposium; (2) Workshop; and (3) Oral Presentation of the participant research work. The oral presentation is divided into five areas including: (1) Epidemiology and Public Health; (2) Health Promotion and Behavior; (3) Maternal and Child Health; (4) Health Policy and Management; and (5) Medicine.

Finally, I wish you all could benefit much from this conference. Please enjoy yourself to listen, present, discuss, get inspired, and recommend. Thank you.

Surakarta (Indonesia), November 18-19, 2020.



Prof. Bhisma Murti
Chair, 7th International Conference on Public
Health (7th ICPH)

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THE EFFECT OF HORMONAL CONTRACEPTION ON BODY MASS INDEX AMONG WOMEN IN REPRODUCTIVE AGE

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ABSTRACT

Background: Hormonal contraception is still a popular contraceptive method for most women. More than six million women worldwide use the injectable hormonal contraceptive method. The hormones estrogen and progesterone contained in hormonal birth control can affect the increase of sodium and fluids. This will affect the fat layer and appetite which will cause weight gain, thus impacting body mass index (BMI). This study aimed to determine the effect of hormonal contraception on BMI.

Subjects and Method: This was a cross-sectional study conducted in Ngampel village, Mojoroto District, Kediri, East Java, in June - July 2019. The total of 30 women in reproductive age were selected using purposive sampling technique. The independent variable was the use of hormonal contraception. the dependent variable was BMI. The data were collected by questionnaire then analyzed using Chi Square test.

Results: The use of hormonal contraception was increased the BMI among women in reproductive age.

Conclusion: The use of hormonal contraception can give an effect on BMI. Sometimes, woman body should be given the opportunity to rest using non-hormonal birth control.

Keywords: family planning, hormonal contraception, body mass index

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