



# INTERNATIONAL CONFERENCE ON PUBLIC HEALTH 2020



PROCEEDINGS



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# INTERNATIONAL CONFERENCE ON PUBLIC HEALTH 2020

# THEME:

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

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THEME: CHILDHOOD STUNTING, WASTING, AND OBESITY: FORGING CROSS-SECTORAL SOLUTIONS

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

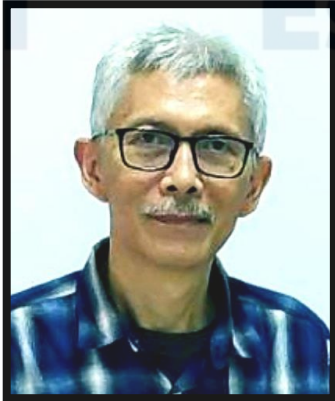


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## PREFACE

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, 7<sup>th</sup> International Conference on Public  
Health (7<sup>th</sup> ICPH)

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# RISK FACTORS OF BYSSINOSIS SYMPTOMS AMONG SEWING UNIT WORKERS AT PT. X, SEMARANG

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## ABSTRACT

**Background:** Byssinosis, a cotton lung disease, is work-related respiratory symptoms found mainly in workers at textile industries. Byssinosis remains one of the health problems in developing countries related to cotton dust from industrial textile production processes. This study aimed to determine the risk factors of byssinosis symptoms among sewing unit workers at PT. X, Semarang.

**Subjects and Method:** This was a cross-sectional study conducted from February to August 2020 at sewing unit PT. X, Semarang, Central Java. A total of 205 sewing unit workers was selected for this study. The dependent variable was symptoms of byssinosis. The independent variables were age, working time, wearing a face mask, and knowledge of the workers. The study subjects were selected by simple random sampling technique. The data were collected by questionnaires, observations, and reports. Bivariate analysis was carried out by using the chi-square method.

**Results:** Byssinosis symptoms increased with age (OR= 1.55; CI= 0.85 to 2.83; p= 0.195), working time (OR= 6.02; 95% CI= 3.28 to 11.05; p= 0.001), without wearing face mask (OR= 9.14; 95% CI= 4.81 to 17.39; p= 0.001), and good knowledge of workers (OR= 0.87; 95% CI= 0.50 to 1.51; p= 0.728).

**Conclusion:** Age, working time, and without wearing face mask are risk factors, while good knowledge of workers is a protective factor of byssinosis. It is recommended that the personal protective equipment be adequately supplied and regulations strictly enforced for its use within the work environment.

**Keywords:** byssinosis symptoms, sewing unit, working time, age, face mask, knowledge

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