



www.theicph.com

ISBN: 978-602-71484-6-8

*Reog Ponorogo*

# THE **4**<sup>th</sup> | PROCEEDINGS INTERNATIONAL CONFERENCE ON PUBLIC HEALTH 2018

**THEME:**  
REACHING THE UNREACHED:  
IMPROVING POPULATION HEALTH  
IN THE RURAL AND REMOTE AREAS



Best Western Premier Hotel  
Solo, Central Java, Indonesia

**August 29-30  
2018**

Supported by:



UEA University of East Anglia



**INTERNATIONAL CONFERENCE  
ON PUBLIC HEALTH 2018**

**Theme:  
“REACHING THE UNREACHED: IMPROVING  
POPULATION HEALTH IN THE RURAL  
AND REMOTE AREAS”**

Board Of Reviewers:

Professor Amanda Howe  
Professor Bettina Borisch  
Professor Adrian Schoo  
Professor Jessica D. Gipson  
Professor Wongsu Laohasiriwong  
Professor Ashir Ahmed  
Professor Bhisma Murti

Organized by:

Masters Program in Public Health,  
Universitas Sebelas Maret

In Collaboration with:

World Federation of Public Health Associations (WFPHA)  
World Organization of Family Doctors (WONCA)  
International Institute of Health Management Research  
University of Geneva  
University of East Anglia  
University of California  
Khon Kaen University  
Flinders University  
Kyushu University  
Ministry of Health, Indonesia  
School of Health Polytechnics, Surakarta  
District Government of Surakarta, Central Java

**Date : August 29-30, 2018**  
**Venue : Best Western Premier Hotel, Solo, Indonesia**  
**Website : [www.theicph.com](http://www.theicph.com)**  
**Email : [icphuns@gmail.com](mailto:icphuns@gmail.com)**

The 4th International Conference on Public Health  
Best Western Premier Hotel, Solo, Indonesia, August 29-30, 2018 | ii



## **The 4th International Conference on Public Health**

"Reaching the Unreached: Improving Population Health in the Rural and Remote Areas"

Best Western Premier Hotel, Solo, Indonesia

August 29-30, 2018

### **Advisers:**

Prof. Ravik Karsidi

Prof. M. Furqon Hidayatulloh

Drs. Harjana MSi. PhD

### **Chair of the Conference**

Prof. Bhisma Murti, dr., MPH, MSc, PhD

### **Secretary of the Conference**

Dr. Hanung Prasetya SKp, SPsi, MSi

V. Ganis Tyas Amartani, SE

Amallia Wijiwinarsih, SST

### **Editors:**

Ika Yuli Ayuningrum, MPH

Dyah Ayu Agustin, SST

Aris Widiyanto, MPH

Gabriela Advitri Febriani, S.ST

Siti Kholifah, SST

Asruria Sani Fajriah, SST

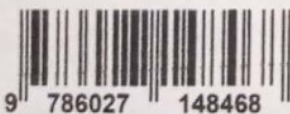
Nadia Ayu Irma Nindiyastuti, SST

Ayu Anulus, SST

ISBN: 978-602-71484-6-8

First Printing: 2018

ISBN 978-602-71484-6-8



*Published by:*

**Graduate Program in Public Health, Universitas Sebelas Maret**

Jl. Ir Sutami 36A, Surakarta 57126. Central Java, Indonesia

Telp/Fax: (0271) 632 450 ext.208

First website: <http://pasca.uns.ac.id/s2ikm>

Second website: [www.theicph.com](http://www.theicph.com). Email: [icphuns@gmail.com](mailto:icphuns@gmail.com)

The 4th International Conference on Public Health  
Best Western Premier Hotel, Solo, Indonesia, August 29-30, 2018 | iii



Prof. Bhisma Murti  
Chair, ICPH

Good Morning. Assalamualaikum Wr. Wb.  
Selamat pagi, salam sejahtera, salam bahagia  
bagi kita semua.  
Honorable Rector of Universitas Sebelas  
Maret,  
Distinguished international and domestic  
speakers,  
Respectable *invited guests*,  
and honorable participants from all over  
Indonesia.

Today and tomorrow we will have an international conference, namely the International Conference of Public Health (ICPH). It is the fourth of its kind, and the current theme reads "Reaching the Unreached: Improving Population Health in the Rural and Remote Areas". This theme arises from the very basic principle that health is the fundamental human right. Every human being has the basic right to be healthy at the highest possible level, regardless of age, gender, race, ethnics, religion, socio-economic position, and geographical location.

This conference we would like to discuss and recommend some suggestions on how to improve the health of the disadvantaged population, the unreached population, the neglected population, the under-served population, the population in the rural and remote areas.

At this precious occasion, first of all I would like to welcome and appreciate Rector of Universitas Sebelas Maret. This conference aims to contribute to the attainment of the vision of this university to be a world-class university.

Next, I would like to welcome and extend my high appreciation to the distinguished and very well-known invited speakers, both international and domestic, who come from seven countries, including the United Kingdom (Prof. Amanda Howe), Switzerland (Prof. Bettina Borisch), Thailand (Prof. Wongsu Laohasiriwong), the United States of America (Prof. Jessica Gipson), Japan (Prof. Ashir Ahmed), Australia (Prof. Adrian Schoo), and Indonesia (Dr. Arsy Pongtiku from Papua, and Dr. Nurmilia Afriliani from Aceh, and Dr. Hanung Prasetya from Solo).

Next, I would like to welcome respectable participants of this conference. I appreciate very much your enthusiasm to participate and attend at this meeting. I have a note that by now the total number of participants attending this meeting is more than 600 people. Participants come from 21 provinces of all 34 provinces of Indonesia, including Aceh, North Sumatera, Riau, Jambi, West Sumatera, South Sumatera, Bengkulu, Lampung, Banten, West Java, Central Java, East Java, Bali, West Kalimantan, South

The 4th International Conference on Public Health  
Best Western Premier Hotel, Solo, Indonesia, August 29-30, 2018 | iv



**A. Chair of the Conference**

Prof. Bhisma Murti dr., MPH, MSc, PhD

**B. Secretary of the Conference**

Dr. Hanung Prasetya SKp., S.Psi, M.Si (Psi)

V. Ganis Tyas Amartani, SE

Amallia Wijiningsih, S.ST

**C. Editors**

Ika Yuli Ayuningrum, MPH

Dyah Ayu Agustin, SST

Aris Widiyanto, MPH

Gabriela Advitri Febriani, S.ST

Siti Kholifah, SST

Asruria Sani Fajriah, SST

Nadia Ayu Irma Nindiyastuti, SST

Ayu Anulus, SST

**D. Treasurer**

Aprilya Pratiwi, S.Si

**E. Other Committee Members**

Akhmad Azmiardi, SKM

Aquartuti Tri Darmayanti, SST

Chrise Wijanto

Destinady Kadiser Miden, S.Kep.

Farahdila Mirshanti, dr., MPH

Gayatri Kintan Larasati, SST

Gigih Cita Pambudi, S.ST

Hendra Dwi Kurniawan, S.Kep., Ns.

Hilmiy Ila Robbihi

Joko Tri Atmojo, MPH

Lusia Arina Cahyaningrum, S.Si.T

Tersia Marentiva Tungga, S.KM

Tri Subaeti

Wahyu Tri Sudaryanto, S.Fis.

Prissy Verasita, S. ST

Diana Sayidah, SST.Keb

Bayu Putra Dewantara

Trisakti Halimah Delimasari, S.ST

Isnaini Qoriatul Fadhillah, S.ST

Anom Dwi Prakoso, S.K.M

Factors Associated with Hemoglobin Level in Pregnant Women <i>Indah Permatasari Sinawangwulan, Yulia Lanti Retno Dewi, CSP. Wekadigunawan</i>	203
Does Ambient Tobacco Smoke Exposure Increase the Risk of Preterm Birth? A New Multivariate Evidence from Surakarta, Indonesia <i>Harrys Bachtiar, Uki Retno Budihastuti, Harsono Salimo</i>	204
Factors Associated with Postpartum Bleeding in Surakarta, Central Java <i>Rizqa Kartika Dewi, Uki Retno Budihastuti, Eti Poncorini Pamungkasari</i>	205
Theory of Planned Behavior on Factors Affecting Exclusive Breast-feeding: A Path Analysis Evidence from Surabaya <i>Zummatul Atika, Harsono Salimo, Yulia Lanti Retno Dewi</i>	206
Theory of Planned Behavior: Associations between Intention, Knowledge, and Use of Visual Inspection Acetic Acid <i>Dewi Saptowati, Ambar Mudigdo, Bhisma Murti</i>	207
Life Course Factors Associated with Wasting in Children under Five in East Lombok, West Nusa Tenggara <i>Husniyati Sajalia, Yulia Lanti Retno Dewi, Bhisma Murti</i>	208
Factors Influencing the Uptake of Long-Acting Reversible Contraceptive Method in Boyolali, Central Java <i>Desy Eka Ilmiyah, Uki Retno Budihastuti, Ismi Dwi Astuti Nurhaeni, Ambar Mudigdo</i>	209
The Association between Family Support, Social Support, Gross Motoric Skill, and Quality of Life among Children with Cerebral Palsy <i>Alinda Nur Ramadhani, Rita Benya Adriani, Harsono Salimo</i>	210
Predictors of Intra-Uterine Device Uptake: Application of Theory of Planned Behavior and Path Analysis <i>Bekti Susilowati, CSP. Wekadigunawan, Bhisma Murti, Setyo Sri Rahardjo</i>	211
Factors Associated with Increased Risk of Overweight and Obesity in Children: An Evidence from Boyolali, Central Java <i>Dwi Wijayanti, Harsono Salimo, Yulia Lanti Retno Dewi</i>	212
Does Exclusive Breastfeeding Prevent Overweight in Children under Five? A Path Analysis Evidence from Kediri, East Java <i>Alfadefi Khalifatunisak, Harsono Salimo, Yulia Lanti Retno Dewi</i>	213



# THEORY OF PLANNED BEHAVIOR ON FACTORS AFFECTING EXCLUSIVE BREASTFEEDING: A PATH ANALYSIS EVIDENCE FROM SURABAYA

Zummatul Atika<sup>1)</sup>, Harsono Salimo<sup>2)</sup>, Yulia Lanti Retno Dewi<sup>3)</sup>

<sup>1)</sup>Masters Program in Public Health, Universitas Sebelas Maret

<sup>2)</sup>Department of Pediatrics, Dr. Moewardi, Surakarta

<sup>3)</sup>Faculty of Medicine, Universitas Sebelas Maret

## ABSTRACT

**Background:** Infant and young child feeding is critical for child health and survival. Exclusive breastfeeding is the process of feeding a newborn baby exclusively with breast milk and no other supplement. It is recommended by WHO since it has several advantages for both child and mother. However, the prevalence of exclusive breastfeeding among infants younger than six months in developing countries remained low at 33% in 1995 and 39% in 2010. This study aimed to determine factors affecting exclusive breastfeeding using Theory of Planned and Behavior.

**Subjects and Method:** This was a cross sectional study carried out at 25 Posyandus (integrated family health posts) in Gunung Anyar Puskesmas (Community Health Center), Surabaya, East Java, Indonesia, from April to May 2018. A sample of 200 was selected from 25 Posyandus of 2 strata. The dependent variable was exclusive breastfeeding. The independent variables were intention, attitude, subjective norm, knowledge, family support, and health personnel support. The data were collected by questionnaire and analyzed by a path analysis.

**Results:** Exclusive breastfeeding was directly affected by intention ( $b = 2.59$ ; 95% CI = 1.88 to 3.30;  $p < 0.001$ ) and attitude ( $b = 1.19$ ; 95% CI = 0.49 to 1.90;  $p = 0.001$ ). Exclusive breastfeeding was indirectly affected by subjective norm, knowledge, family support, and health personnel support.

**Conclusion:** Exclusive breastfeeding is directly affected by intention and attitude, but indirectly affected by subjective norm, knowledge, family support, and health personnel support

**Keywords:** exclusive breastfeeding, intention, attitude, subjective norm, knowledge, family support, health personnel support

## Correspondence:

Zummatul Atika. Masters Program in Public Health, Universitas Sebelas Maret, Jl. Ir. Sutami No. 36 A, Surakarta, Central Java. Email: atikaprayogi6@gmail.com. Mobile: +6289656280307.

JMCH

www.thejmch.com

IJM

www.theijmed.com

JCPH

www.japublichealth.com

JHPM

www.thejhpm.com

JHPB

www.thejhpb.com

# THE 4<sup>th</sup> INTERNATIONAL CONFERENCE ON PUBLIC HEALTH 2018

Indexing and abstracting databases of ICPH Proceedings:



INDEX COPERNICUS  
INTERNATIONAL



OCLC  
WorldCat®



Academic  
Resource  
Index  
ResearchBib



Scisearch

Google  
BASE



THOMSON  
REUTERS



oneSearch



CABI



Crossref



Microsoft  
Academic Search

ResearchGate

Scilit



Graduate Studies in Public Health,  
Graduate Program, Universitas Sebelas Maret

Jl. Ir Sutami 36A, Surakarta 57126.

Telp/Fax: (0271) 632 450 ext. 208

First website: <http://s2ikm.pasca.uns.ac.id>

Second website: [www.theicph.com](http://www.theicph.com)

email: [theicphuns@gmail.com](mailto:theicphuns@gmail.com)

