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# BOOK OF ABSTRACT

“Strengthening Health System and Innovations  
To Improve Population Health”

The 5<sup>th</sup> Asia-Pacific Partnership on Health and Nutrition Improvement Conference

2023  
**APHNI**  
CONFERENCE

October 25<sup>th</sup>, 2023

The Rich Jogja Hotel

Daerah Istimewa Yogyakarta (DIY)-Indonesia

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The 5<sup>th</sup> Asia-Pacific  
Partnership on Health  
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# APHNI Conference

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## Welcome Letter from Conference Chair

*Assalamualaikum warahmatullahi wa barakatuh.*

On behalf of the APHNI Committee, I welcome you to the 5th Asia-Pacific Partnership on Health and Nutrition Improvement (APHNI), held from 25<sup>th</sup> October 2023 in Yogyakarta, Indonesia. The APHNI is an annual conference organized by the Faculty of Health Sciences at Alma Ata University, Yogyakarta. The APHNI has been held since 2019.

This conference will provide an interactive international forum for sharing and exchanging information on the latest research on Health and nutrition and related sciences, to enhance the capacities for creating innovative systems, to contribute to the formulation of global strategies in advancing health systems as well as developing policy initiatives in the community, to stimulate future collaborations among industries, researchers, governments and other stakeholders who apply science for better live. The speakers and participants of the 5<sup>th</sup> APHNI are up to 60 coming from various countries from Indonesia, Malaysia, Thailand, and Taiwan.

I would like to take this opportunity to thank you for the endeavor of the committee from the Faculty of Health Sciences – Alma Ata University. In addition, the conference committee acknowledges the technical and financial support from Alma Ata University.

I hope you can enjoy this conference, and I encourage you to engage with those wh are presenting their works as oral presentations. Should you have extra time, I hope you can extend your stay and enjoy the exotic of Yogyakarta.

Thank you for your participation,

**Sofyan Indrayana, S.Kep., Ns., MS.**  
The Chair of 5<sup>th</sup> APHNI Conference

## Welcome Letter from Dean of the Faculty of Health Sciences, Alma Ata University

*Assalamualaikum warahmatullahi wa barakatuh.*

Ladies and gentlemen, esteemed colleagues, and distinguished guests,

It is with great pleasure and anticipation that we gather here today for the 5<sup>th</sup> Asia-Pacific Partnership on Health and Nutrition Improvement (APHNI) under the insightful theme of “Strengthening Health System and Innovations to Improve Population Health”. This year, the 5<sup>th</sup> APHNI is hosted by the Faculty of Health Sciences, and this conference serves as a beacon of intellectual exchange and innovation in the field of chemistry.

In today’s dynamic landscape, characterized by Volatility, Uncertainty, Complexity, and Ambiguity (VUCA), the role of chemistry in shaping a sustainable future is more vital than ever. Our collective pursuit of knowledge and advancements in the field of health sciences holds the potential to redefine industries, reshape ecosystems, and promote responsible stewardship of our planet’s resources.

This conference stands as a testament to the commitment of all participating institutions to address pressing global challenges through the lens of chemistry. The presentations and discussions that unfold throughout the day will undoubtedly inspire new ideas, collaborations, and solutions that contribute to a more sustainable world.

As we embark on this intellectual journey, let us remain open to diverse perspectives, engage in rigorous debate, and forge connections that transcend borders and disciplines. May the insight gained during the conference deepen our understanding of health science’s role in sustainable development and empower us to catalyze positive change within our societies.

I extend my heartfelt gratitude to the organizers, speakers, and attendees who have come together to make this event a reality. Let us embrace the spirit of collaboration and exploration as we navigate the fascinating intersections of health sciences.

Thank you, and let the 5<sup>th</sup> APHNI commence.

Dr. Yhona Paratmanitya, S.Gz., MPH., RD.  
Dean of Faculty of Health Sciences, Alma Ata University

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## Conference Program

Time)	Details
07.00 - 08.00	Registration for conference
08.00 - 08.20	Conference Grand Opening
08.20 - 08.35	Opening Speech (Prof. Dr. H. Hamam Hadi, MS., Sc.D., Sp. GK.)
08.35-08.40	Do'a
08.40 - 08.45	Bumpering Break
	<b>Session 1: Maternal and Child Health and Nutrition</b>
	<b>MODERATOR 1 (Hastrin Hositanisita, S.Gz., M.Sc)</b>
08.45-08.50	Moderator 1 introduction
	<b>Prof. Joel Gittlesohn</b> (Bloomberg School of Public Health, John Hopkins University, USA) "School-based and environmental intervention to reduce obesity"
09.10-09.30	Bumpering Break
	<b>Prof. Dr. H Hamam Hadi, MS, Sc.D, Sp.GK.</b> (Director of Center for Global Health, Alma Ata University, Indonesia) "Stunting prevention"
09.30-09.50	Bumpering Break
	<b>Yinuo Wang, MS., PhD</b> (Department of Food Science and Nutrition, Hong Kong Polytechnic University) "Cold adaptation to extend life and improve health"
09.50-10.10	Bumpering Break
	<b>Assoc. Prof. Dr. Sopen Chunuan</b> (Faculty of Nursing, Prince of Songkla University) "Midwifery support for coping strategies of adolescents during childbirth and motherhood"
10.10-10.25	Question and Answer 1
10.25-10.40	Coffee break
	<b>Session 2: Geriatric Health and Nutrition</b>
	<b>MODERATOR 2</b> (Edi Sampurno Ridwan, BN.,MNurs, PhD.)
10.40-10.45	Moderator 2 introduction
	<b>Dr. dr. Probosuseno, Sp.PD-KGER., SE., MM</b> (RSUP Dr Sardjito) "The current innovations and needs in Elderly care"
11.05-11.25	Bumpering Break
	<b>Prof Pei-Shan Tsai</b>

Time)	Details
	(Taipei Medical University) "Secondary analysis of national survey data to identify determinants of health conditions in older adults: depression and sarcopenia"
11.25-11.45	Bumpering Break
	<b>Prof Chan Yoke Mun</b> (Universiti Putra Malaysia) "Management of Sarcopenia: Perspective of a Dietitian"
11.45-12.00	Question and answer 1
12.00-13.00	Break
13.00-16.00	<b>Parallel Oral Presentation</b>
	<b>Session 3: Health Innovation</b>
	Moderator 3 (M. Ischaq Nabil As Shiddiqi, S.Kep.,Ns.,M.N.S.)
13.00-13.05	Moderator 3 introduction
	<b>Dr. Arif Sabta Aji, S.Gz.</b> (Alma Ata Graduate School of Public Health, Universitas Alma Ata) "Analog Rice Innovation to Support Food Diversification Program"
13.25-13.45	Bumpering Break
	<b>Prof. Asnawi Abdullah, BSc.PH, MHSM, MSc.HPPF, DLSHTM, PhD (Chairman of AIPTKMI)</b> "Health policy on health innovations"
13.45-14.05	Bumpering Break
	<b>Prof. Dr. Jamia Azdina Jamal</b> (Faculty of Pharmacy, Universiti Kebangsaan Malaysia) "Drug innovations"
14.05-14.20	Question and Answer 3
14.20-14.35	<b>Coffee break</b>
16.00-17.00	"Best Presentation" Announcement
	Closing Remark

## A Case-Control Study on Risk Factors Associated with Intentions in Preventing Low Birth Weight Babies in Indonesia

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### ABSTRACT

**Background:** Low birth weight (LBW) babies are among the most common causes of infant and neonatal deaths. Developing countries, including Indonesia, are the most significant contributors to LBW cases. This condition will have an impact on children's health problems and growth and development in the future. Efforts to prevent LBW incidents are critical for pregnant women to understand. A good understanding will create an intention to impact changing behavior to avoid LBW incidents. It is crucial to consider maternal factors such as socio-demographic characteristics, knowledge, lifestyle, and traditional pregnancy care behavior in preventing the incidence of LBW.

**Objective:** The main aim of this study is to assess maternal risk factors associated with intentions to prevent LBW events.

**Method:** Using a case-control study research design with a retrospective approach. The research was conducted in the Perinatology room at Wates Regional Hospital, Kulon Progo Regency, with 140 respondents. The sampling technique used fixed disease sampling in the case group and simple random sampling in the control group. The research instrument is a questionnaire on socio-demographic data, knowledge, lifestyle, traditional pregnancy care behavior, and intentions whose validity and reliability have been tested. The data normality test uses the Kolmogorov-Smirnov and Spearman Rank correlation tests to see the relationship between the research variables.

**Results:** Socio-demographic factors that have a relationship with intention to prevent LBW are maternal age (p-value: 0.03); Maternal risk factors have a significant relationship with intentions to prevent LBW incidents, namely knowledge (p-value: 0.00); lifestyle (p-value: 0.00); and traditional pregnancy care behavior (p-value: 0.00).

**Conclusion:** Maternal risk factors influencing intentions to prevent LBW incidents are age, knowledge, lifestyle, and traditional care behavior. This research recommends that promotive and preventive efforts through a participatory approach for pregnant women and families must continue to be improved to prevent LBW incidents.

**Keywords:** Low Birth Weight Babies; Intention, Prevention; Health Promotion

The 8<sup>th</sup> Alma Ata University Anniversary & 23<sup>rd</sup>  
Alma Ata Foundation Anniversary, Faculty of  
Health Sciences Alma Ata University Present  
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