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WELCOME MESSAGE FROM THE CONFERENCE CHAIRMAN

Assalamu'alaikum Warahmatullahi Wabarakatuh

Good morning excellencies, distinguished participants, ladies and gentlemen,

The Honourable Governor of East Java Province represented by Head of Provincial Health Office, The Honourable Rector of Universitas Airlangga represented by Vice Rector for Internationalisation, Digitalization, and Information, the Honourable Dean Faculty of Nursing, Universitas Airlangga, The Honourable Head of Indonesian National Nurses Association (INNA), The Honourable Head of Co-Host Institutions, distinguished speakers, all participants and the organizing committees.

on behalf of the Organizing Committee of the 13th International Virtual Nursing Conference: **Continuous Innovation for Sustainable Health and Climate Resilience**, it is an honour to welcome all of you.

The purpose of this conference is the ongoing effort to embrace rapid changes in our world. Be agile and continuously leverage innovative approaches in dealing with social, economic, and environmental changes. Help the population achieve sustainable health and improve climate resilience, mainly through nursing education, research, and practice.

Ladies and gentlemen,

After rigorous review, 216 abstracts were accepted for presentation. Around 300 people, including academicians, researchers, and practitioners from all four continents, participated in this two-day virtual nursing conference.

I realize that the success of this conference cannot happen without support and participation from others. Firstly, I would like to take this opportunity to say thank you to all the excellent speakers and experts from our international and national cooperation and partners. We are also proud to announce that the 13th International Virtual Nursing Conference is being conducted along with the collaboration among nine Nursing Schools in Indonesia and our international partners. They are **The University of Rhode Island USA, The University of Tokyo Japan, The Chinese University of Hong Kong, The University of Newcastle Australia, Flinders University Australia, The University of Manchester UK, and IIK STRADA Indonesia, Universitas Muhammadiyah Banjarmasin, Universitas Haji Sumatera Utara, STIKES Maluku Husada, Universitas dr. Soebandi Jember, STIKES Guna Bangsa, Health Polytechnic of the Ministry of Health Surabaya and Palu, STIKES Banyuwangi, and Universitas Sultan Agung**. Last but not least, This conference is also sponsored by **PT. Global Jaya Medika, PT. Jaya Kelana, PT. Jamoe Ibu, and Rachmie Clinic**. Thank you for your collaboration and support in this conference. Lastly, I also take this opportunity to thank all the organizing committee members for their outstanding effort in preparing and organizing this event. Once again, I warmly thank the speakers, co-hosts, committees, and sponsor who contributed to this event. Thank you for all of your generous support. We could not have done it without you!

I wish all of you have a good time and plenty of opportunity to connect, communicate, and engage with each other. You can share ideas, suggestions and innovation in addressing the global rapid challenges that discussed in the conference.

Thank you and have a great experience!

Wassalamu'alaikum Warrahmatullahi Wabarakatuh

Dr. Eka Mishbahatul Mar'ah Has, S.Kep., Ns., M.Kep.
Chairman

OPENING REMARK FROM THE DEAN OF THE FACULTY OF NURSING

Assalamu'alaikum Warahmatullahi Wabarakatuh

The Honorable Rector of Universitas Airlangga, The Honorable Head of Co-Host Institutions, The Honorable Chief of the Indonesian National Nurses Association (INNA), The Honorable Chief of Association of Indonesian Nurse Education Center (AINEC), Distinguished Speakers, and All Participants.

First of all, I would like to praise and thank Allah SWT for the blessing and for giving us the grace to be here in a good health and can hold this conference together.

Secondly, it is a great privilege and honor for us to welcome all of you. Thanks for your participation and support for the 13th International Nursing Conference 2021, **“Continuous Innovation for Sustainable Health and Climate Resilience”**. This year is the thirteenth consecutive year we have consistently held the conference involving reputable nursing education institutions from Indonesia and across the world. People said that thirteen is an unlucky number. But, we believe that this 13th international nursing conference will bring a lot of blessings to us. Also, we feel honored to host prominent nursing academics and researchers to present their ideas here at this conference.

The INC topics presented in this conference cover innovations in nursing education, community nursing, clinical nursing, management and leadership, research practice, as well as innovations for the COVID-19 challenge. The conference also covers discussion on nursing disaster management, non-communicable diseases, mental health and wellbeing, maternal and child health, tropical diseases, health law and policies, climate change, health-related issues, and sustainable development goals.

It has been more than two years since we live in the COVID-19 pandemic that we hope will end soon. To welcome the new era, nurses need to be active in advocating sustainable health and climate resilience for the better future. As the largest health workforce, nurses have pivotal roles in making changes with innovative strategies and actions. Nurses should realize that, with togetherness and collaborations, they are not only able to treat patients individually but also address problems in the society and environment. That is the spirit that we want to bring in this conference with our main theme, **“Continuous Innovation for Sustainable Health and Climate Resilience”**.

Faculty of Nursing Universitas Airlangga got accreditation A (Excellent) for the Bachelor's and Master's Degree. We also already got accreditation from two prestigious international accreditations, the ASEAN University Network (AUN) and Accreditation Agency for Study Programmes in Engineering, Informatics, Natural Sciences, and Mathematics (ASIIN). Most of our lecturers regularly published their articles in Scopus-indexed journals, and we have many lecturers with doctoral qualifications. This February, one of our journals, *Jurnal Ners*, has been indexed by SCOPUS.

In supporting the vision of Universitas Airlangga to become a world-class university and enter the top World University Ranking, the Faculty of Nursing is determined to improve its performance in many aspects, including academic reputation, employer reputation, publication, and faculty standard ratio, as well as international students and exchange. International Nursing Conference is one of the few strategies that have been implemented by the Faculty of Nursing to improve our performance in scientific publication and strengthen national and international collaborations.

Finally, on behalf of the Faculty of Nursing, we would like to thank all speakers, participants, and sponsors that helped the success of this event. We hope this conference having good contribution in increasing the quality of research and nursing scholarships. Thanks to the organizing and scientific committee of the INC 2022, who have worked very hard to organize the conference. We thank our participants to present their research, to share extensively and exchange of ideas thoughts and discussions so that this conference facilitates the formation of networks among participants. Please enjoy the international conference. I hope, we all have a wonderful time at this virtual conference. And let's hope the next year, we can meet in person in Surabaya, and enjoy the city of heroes. Thank you.

Wassalamualaikum Warahmatullahi Wabarakatuh

Prof. Dr. Ah. Yusuf., S.Kp. M.Kes.
Dean, Faculty of Nursing Universitas Airlangga



CLIMATE CHANGE AND HEALTH RELATED ISSUES



FATHERS INVOLVEMENT IN HANDLING GROWTH DISORDER OF CHILDREN'S FAMILY MEMBERS: A SYSTEMATIC REVIEW

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ABSTRACT

Introduction: SDGs mandate all parties to eliminate the problem of malnutrition jointly. These problems include growth disorders (stunting and wasting), breastfeeding, and anemia. In the household setting, growth disorder is not solely the mother's responsibility but also the partner, the father. This review aims to find out fathers' involvement in the treatment of growth disorders.

Methods: 813 articles published in 2017-2022 were obtained from 6 electronic databases such as Scopus, PubMed, ScienceDirect, SpringerLink, ProQuest, and Google Scholar. The keywords combined with Boolean operators to find literature, namely (father OR paternal) AND (involvement OR engagement OR role) AND (Stunting OR Growth disorder). The inclusion criteria were in English and described father roles in handling stunting in children. 10 articles met the inclusion criteria and are relevant for review. Articles were analyzed using charting and narrative analysis.

Results: Based on a review of several articles, there are four dimensions of father involvement in handling growth disorder, namely instrumental support, instrumental support, emotional support, and appraisal support. Strategies to increase father involvement relate to internal and external barriers. The way to increase father involvement is to spread information about the importance of children's health to fathers in various media, remove the negative stigma about gender equity, maximize the presence of fathers with children, active fathers support wife's needs, broaden cultural and community sensitivity to involve father.

Conclusions: Fathers' role is crucial in handling nutrition and growth disorder in children. Future growth disorder management strategies need to involve fathers and mothers (gender equity) by considering the identified barrier factors and potential facilitators in the community.

Keywords: Father Involvement; Family; Nutrition; Stunting; growth disorders; Sustainable Development Goals