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**BOOK OF  
ABSTRACT**

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## WELCOME MESSAGE FROM THE CONFERENCE CHAIRMAN

Assalamu'alaikum Warahmatullahi Wabarakatuh

Good morning excellencies, distinguished participants, esteemed colleagues, ladies and gentlemen, The Honourable Rector of Universitas Airlangga, the Honourable Dean Faculty of Nursing, Universitas Airlangga, The Honourable Head of Co-Host Institutions, distinguished speakers, all participants and the organizing committees.

It is my great honour and privilege to welcome you all to the 14<sup>th</sup> International Nursing Conference. As the chairman of this conference, I am delighted to see such a diverse and talented group of nurses from all corners of the world gathered here today.

Our theme for this year's conference is **“Transforming the future health care through research and innovation**, this theme reflects our commitment of the advancement of the nursing profession and the important role that nurses play in improving the future health care.

This conference brings together nurses and other healthcare professionals from various specialties and backgrounds to share knowledge and exchange ideas. With the many challenges facing the healthcare industry today, it is important to be agile and to come together to reflect on our practices, learn about cutting-edge research, and explore new innovations to improve health care mainly through nursing education, research, and practice.

As we embark on the next two days of this conference, I encourage you all to approach each session with an open mind and willingness to learn, to be inspired and gain new insights into the important work presented in this conference. After rigorous review, 316 abstracts were accepted for both oral and poster presentation. Around 326 people, including academicians, researchers, and practitioners from five continents (Africa, Asia, Australia, America, and Europe), participated in this two-day virtual nursing conference.

In addition, I urge you to take advantage of the networking opportunities available to you during this conference. The connections you make here could be invaluable as you continue to grow and develop in your career.

I would like to extend my heartfelt thanks to speakers, co-host institutions, sponsors and committee for their hard work and dedication to making this conference a success. Without the support of these individuals and organizations, we would not be able to organize this conference. Firstly, I would like to take this opportunity to express our gratitude to all speakers and experts from our international and national cooperation and partners. We are also proud to announce that the 14th International Virtual Nursing Conference is being conducted along with the collaboration among nine Nursing Schools in Indonesia and our international partners. They are **Australian College of Nursing (ACN) Australia, School of Nursing Yale University United States, Faculty of Nursing Hacettepe University Turkey, Asia Pacific Alliance for Nursing Education, Medical College National Cheng Kung University Taiwan, Hiroshima University Japan, Metropolia University of Applied Sciences Helsinki Finlandia, Faculty of Nursing Cairo University, Faculty of Nursing Taipei Medical University Taiwan, Universitas Kristen Satya Wacana Indonesia, STIKES Alifah Padang, Universitas 'Aisyiyah Yogyakarta, STIKES Ngudia Husada Madura, Universitas Muhammadiyah Banjarmasin, Universitas Islam Sultan Agung (UNISSULA), Politeknik Kesehatan Kemenkes Surabaya, STIKES Majapahit, Universitas Muhammadiyah Gombong, Poltekkes Kemenkes Palu, and STIKES Telogorejo Semarang.** Last but not least, This conference is sponsored by **PT. Global Jaya Medika dan PT. Jaya Kelana.**

Finally, I wish you all a productive and enjoyable conference. I hope that the conference will be filled with inspiration, education, and meaningful connections that will carry you forward in your important work as healthcare professionals.

Thank you and have a great experience!

Wassalamu'alaikum Warrahmatullahi Wabarakatuh

Dr. Ninuk Dian Kurniawati, S.Kep., Ns., MANP.

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 14<sup>th</sup> International Nursing Conference, **“Tranforming the future health care through research and innovation”**. The INC topics presented in this conference cover Innovation in nursing education, Innovation in community nursing, Innovation in clinical nursing, Innovation in nursing management and leadership, Nursing innovation for COVID-19 challenge, Innovation in research practice, Nursing disaster management, Non communicable diseases, Mental health and wellbeing, Mother and child health, Climate change and health related issues, Health law and policies, Agenda 2030: Sustainable development goals and Tropical disease.

We feel honored to host prominent nursing academics and researchers to present their ideas here at this conference. Also, we believe that this 14th international nursing conference will bring a lot of blessings to us.

The industrial revolution 4.0 and society 5.0 have had an impact on several health problems that require serious attention from various fields, especially the health sector. The health system is required to continue to innovate in order to continue to be able to provide health services amidst the rapid development of technology. Nursing science continues to experience development and make a meaningful contribution to the health care system. The nursing profession is required to continue to innovate in developing knowledge so that it is able to continuously improve the quality of health and nursing services. In an effort to achieve this, nurses must carry out research and innovation that can support nursing development and have competitiveness with other scientific sectors. Nurses must transform themselves to be able to meet standards and quality.

The International Nursing Conference is needed to answer the need for media to contribute innovative works to be meaningful for the world of health. INC is also a forum for researchers, practitioners and students both domestically and abroad to share findings and various new knowledge in the field of nursing and health. Therefore, the Faculty of Nursing, Airlangga University, will hold the 14th international seminar with the theme **“Transforming the future health care through research and innovation”**. The theme of this conference is relevant to answer the need for innovation in the world of health in the future.

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. 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 2023, 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

**ORAL PRESENTATION**

**TOPIC 1:**

**Innovation in Clinical Nursing**



**IMPROVING DOCUMENTATION OF PRESENTING PROBLEMS IN THE  
EMERGENCY DEPARTMENT USING A DOMAIN-SPECIFIC ONTOLOGY BASE ON  
3S**

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**ABSTRACT**

**Introduction:** 3S-based nursing documentation (SDKI, SLKI, and SLKI) has already been developed in Indonesia, but there is still little research related to the implementation of 3S documentation in emergency care. The use of specific documentation languages based on major and minor signs and symptoms facilitates diagnosis in emergency patients. **Methods:** The study aims to develop a 3S-based documentation format for the emergency room in the hospital. The research method used was the qualitative method of focus group discussion and study of medical records for the years 2020–2023. The survey was carried out in 3 hospitals in the rural district, involving 40 IGD nurses selected on the basis of inclusion criteria, i.e., they have been working at IGD for more than 5 years, have received 3S-based socialization and documentary training, and are ready to participate. **Results:** The results of the study revealed the twelve highest nursing problems emergency room corresponding to SDKI, there are inefficient breathing pattern, non-effective peripheral perfusion, decreased cardiac output, hypovolemia, hypervolemia, hyperthermia, acute pain, shock risk, risk of effective myocardial perfusion, risk of bleeding, and risk ineffective cerebral perfusion. **Conclusions:** The development of documentation at IGD uses a specialized ontological language in the application of artificial intelligence to facilitate decision-making from the results of the assessment to the intervention, external implementation, and evaluation of nursing diagnosis at IGD.

**Keywords:** documentation, emergency room, nursing care

**COMMUNITY HEALTH NURSING INTERVENTIONS PROMOTING FAMILY ADAPTATION TO COMMUNICABLE DISEASE DIAGNOSIS: A SCOPING REVIEW**

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**ABSTRACT**

**Intoduction:** The family had important role in caring for their family member with communicable disease. **Objective:** This review aimed to identify the adaptation process of the family to communicable disease diagnosis and map the community health nursing interventions that promote family adaptation to communicable disease diagnosis. **Method:** This study was a scoping review by Arksey and O'Malley on the three databases: SCOPUS, Science Direct, PUBMED and Grey literature from 2015 up to April 2023. Publications were included if they examined interventions promoting adaptation towards family in context communicable diseases diagnosis. The JBI Manual for Evidence Synthesis published guidelines were followed. **Results:** A total of 21 articles were analyzed. The results of the analysis were organized by themes: the patient's adaptation to the diagnosis, the family adaptation to the diagnosis and strategies promoting adaptation to disease treatment. The interventions aimed at patients are focused on strengthening coping strategies and caring ability of the family. **Conclusion:** The mapped community health nursing interventions that promote adaptation to communicable disease diagnosis intend to patients' disclosure, enhancing coping strategies, engage to social support, enhancing treatment adherence, increasing the ability to care and to receive information and to participate in care and decisions making.

**Keyword:** Communicable Disease; Community Nursing; Family Adaptation; Health Promotion

**THE EFFECTIVENESS OF PEER INFORMATION TOWARD A CHANGE IN KNOWLEDGE AND ATTITUDE TOWARD CHILD MARRIAGE: SYSTEMATIC REVIEW**

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**ABSTRACT**

**Introduction:** Child marriage is a serious global problem because it can have negative consequences for children, families, and communities. Peer information has been regarded as one of the strategies for reducing a child's marriage, but few studies still evaluate its effectiveness. **Objective:** Hence, the study is done to evaluate the effectiveness of peer information in changing the knowledge and attitude toward child marriage. **Methods:** The study was done by conducting a systematic search of academic databases and a library list of relevant articles. Only 5 articles meet the criteria for inclusion used in analysis. The studies are carried out in 4 countries and peer information is presented through group meetings or discussion forums. **Result:** Research shows that peer information can increase knowledge and attitude toward child marriage. The study in Bangladesh indicates that those informed by peers have increased in knowledge and attitude toward child marriage. Other studies also show a significant increase in knowledge and attitude toward child marriage after obtaining information from peers. **Conclusion:** In conclusion, the results of this study suggest that peer information is effective in transforming knowledge and attitudes toward child marriage and can be an effective alternative to reducing child marriage. However, available studies are still limited and further research will need to be done to evaluate the effectiveness of peer information in the long run. It will require collaboration between countries to implement effective interventions that reduce child marriages.

**Keyword:** peer information, child marriage, change in knowledge, attitude

**EFFECTIVENESS OF STROKE ATTACK RISK ASSESSMENT USING  
APPLICATION FACE DROP RECOGNITION**

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**ABSTRACT**

**Introduction:** The treating of a stroke has a limited period; if it is not discovered immediately, it can lead to complications and even death. **Objective:** This study used innovations in technology to detect the danger of stroke early, allowing it to be treated rapidly and boost the probability of recovery. Based on this goal, a Stroke Attack Risk Assessment Using the Application Face Drop Recognition was created. The risk assessment related to the occurrence of stroke is evaluated by the face image utilizing analytical and face detection technology. **Method:** This is a descriptive-analytic study. The research population of 60 farmers was selected. Respondents in this study came from agricultural communities in rural area distant from hospital referral facilities, were at risk of stroke, or had a history of stroke. To assess the accuracy of face drop detection apps utilizing criteria such as accuracy, precision, recall, and F1-score. **Result:** The testing was limited to 95% accuracy. This suggests that the capacity to predict stroke risk for persons who have had a stroke is very good. The application's specificity value was 100%, which means that the measuring capacity of the application produces a non-stroke result of 83%. The results of this technology can suggest to immediately make an emergency call to the stroke team, provide the patient's location and personal information, allowing patients to get treatment as quickly as possible. **Conclusion:** An emergency system, which uses the FaceDrop Recognition App, can assist in rapid stroke risk assessment. The system we propose optimizes management.

**Keywords:** acute, agriculture, face drop, stroke