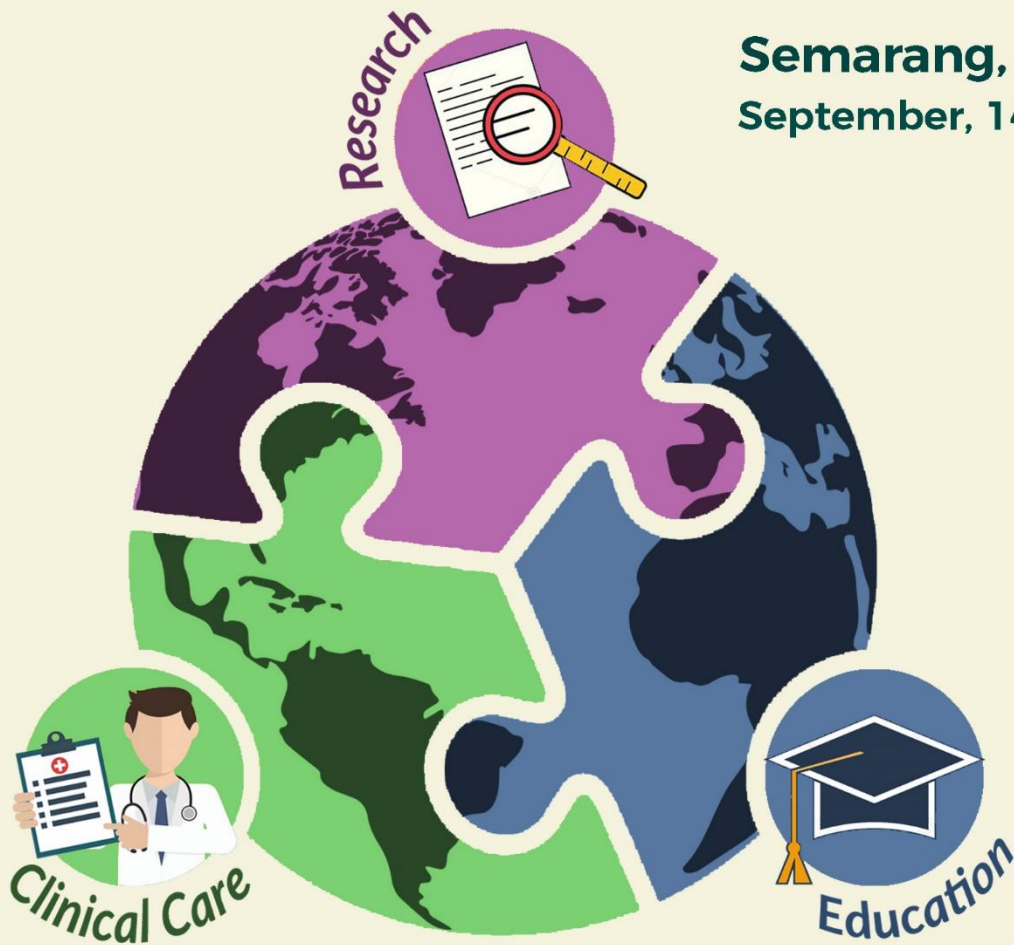




**2ND INTERNATIONAL CONFERENCE ON TRANSLATIONAL MEDICINE
AND HEALTH SCIENCES (ICTMHS)**
in conjunction with
**4TH JAVA INTERNATIONAL
NURSING CONFERENCE (JINC)**

Semarang, Indonesia
September, 14th-15th, 2018



**"Creating a Better Future of Health Care:
Partnerships in Research, Education, and Clinical Care"**

PROCEEDING

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HEALTH SCIENCES

in conjunction with

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Collaboration or partnership is a term which is often used in the fields of research, clinical practice and health professional education. Collaboration occurs when two or more people work together to achieve common goals and shared outcomes. Collaboration includes a commitment to reciprocal relationships to achieve certain goals and is developed in conjunction with mutually supportive resources. Research, education and clinical practice are interrelated; research informs education, which in turn will affect the provision of care to patients.

In the area of health, it is believed that collaboration leads to better health services and improves patient satisfaction. Science is the foundation for providing quality service to patients and research is one of the means of doing so. The complexity of patient problems nowadays requires inter-professional collaborations among the health professions since the problems may not be solved when a profession is working alone. Collaboration in research occurs when researchers from more than one profession or disciplines work together to achieve common goals in generating new scientific findings.

Collaboration in the health services occurs when two or more people from multidisciplinary areas work together to solve the problems of the patients comprehensively. This collaboration may occur when each individual mutually respects and contributes according to his/her position to create a conducive environment to optimize the patient's health. WHO states that the health workers who perform collaborations in caring for patients will gain more success in resolving complex patient problems. Collaborations in health services are useful for improving the skills to provide comprehensive care, developing innovations and creativity, and focusing more on patient-centered care.

Collaboration in education or known as inter-professional education (IPE) occurs when two or more students from multidisciplinary studies learn together on a particular topic and jointly solve the case. Collaborations in education does not only occur in the university contexts but also in the clinical practice areas. These collaborations are closely related. IPE is part of the professional practice before the health workers implement it in the healthcare services.

The international conference which focuses on “Creating a Better Future of Healthcare: Partnership in Research, Education, and Clinical Care” is a way to create successful collaborations among the health workers. The conference also aims to introduce the public that the Faculty of Medicine Diponegoro University is committed to creating harmonious collaboration between health workers, including doctors, nurses, nutritionists, pharmacists, and dentists.

Organizing Committee

2nd INTERNATIONAL CONFERENCE OF TRANSLATIONAL MEDICINE AND HEALTH SCIENCES *in conjunction with* **4th JAVA INTERNATIONAL NURSING CONFERENCE 2018**

“Creating Better Future Health Care: Partnership in Research, Education and Clinical Care”

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Welcome message

First of all, thanks to **Almighty Allah**, the most merciful, beneficent and compassionate, for His blessing that this conference could be held today.

I would like to express my greatest gratitude to Prof. Dr. Yos Johan Utama, S.H., M.Hum; Rector of Diponegoro University, Prof. Dr. dr. Tri Nur Kristina, DMM., M.Kes.; Dean of Faculty of Medicine Diponegoro University, Prof. Dr.rer.nat Heru Susanto, S.T., M.M., M.T.; Director of LPPM, dr. Ahmad Zulfa, Sp.And., Ph.D, vice dean of research and innovation Faculty of Medicine for all of their kind supervision during the preparation of this event. I would like to express my sincere gratitude to all of the committee members for all of your hard work, kind help, and best effort as a solid team work, by which this event can be held successfully today. I would like to thank all of the honorable speakers for your willingness to come and give lectures here, and all of participants from various institutions in the world. Welcome to **2nd International Conference on Translational Medicine and Health Sciences (ICTMHS) in conjunction with 4th Java International Nuraing Conference 2018**. It is a great pleasure to have all of you here in Semarang Indonesia, on this September 14-15, 2018.

ICTMHS is an annual routine program that began in 2017 initiated by the faculty to support the university's vision of becoming a world class university. Nursing, a part of the faculty of medicine, has previously held international nursing conferences since 2010. This time we are together to support UNDIP as a research university by organising this event. The theme of this conference is "Creating a Better Future of Healthcare: Partnership in Research, Education and Clinical Care". The focuses of this conference are Interprofessional Education and Research, Collaborative Practice, Translational Medicine, and Nutrition, Dietetic and Food. This is an interesting theme that invites all health workers to unite to increase collaboration in various aspects to produce quality services. Through this conference, we hope to contribute in introducing and educating the scientific community on the nowadays advance in medical and health sciences. As a major goal of this event, we hope that it can be an excellent chance to discuss interesting ideas and develop fruitful project in the future, network opportunities with old and new colleagues, coordination new partnerships which advance collaboration either about the research field or not, as well as the careers of all participants.

Please enjoy your participation in ICTMHS-JINC 2018 and have a great experience during your stay in Semarang.

Wish you the best in all your work.

Ns. Reni Sulung Utami, S.Kep.,M.Sc

Organizing Chairperson

Praise to the God Almighty for the International Conference on Translational Medicine and Health Science (ICTMHS) in conjunction with Java International Nursing Conference (JINC) 2018, Faculty of Medicine Diponegoro University and I are very excited for this event and we welcome to all of the participants and speakers to this event.

The special acknowledgement, I address to the distinguished speakers dr. Bambang Wibowo, Sp. OG(K), MARS from Ministry of Health Republic of Indonesia, dr. Soetedjo, Sp.S(K) from The Indonesian Medical Association, Prof. Sandra Capra, PhD, FDAA from The University of Queensland-Australia, Prof. Dr.dr Kristina, DMM., M.Kes from Diponegoro University-Indonesia, Prof. Dra. Setyawati, M.App.Sc., Ph.D from Faculty of Nursing University of Indonesia, Fiona Miller from Griffith University-Australia, Lybrich Kramer from Hanze University-The Netherland, Anne Hyre from Jhon Hopkins University-United States of America, Kjara Bernadette V. Agatep from St. Paul University-Philippines, Dr. dr. Mexitalia Setiawati, Sp.A(K) from Diponegoro University-Indonesia, dr.JC. Susanto, Sp.A (K) from Diponegoro University-Indonesia

I am very grateful for your willingness to attend and share your knowledge to us. Faculty of Medicine Diponegoro University has a vision to be the centre for medical and health sciences. ICTMHS is an annual routine program that began in 2017 initiated by the faculty to support the university's vision of becoming a world class university. Nursing, a part of the faculty of medicine, has previously held international nursing conferences since 2010. This time we are together to support UNDIP as a research university by organising this event. The theme of this conference is "Creating a Better Future of Healthcare: Partnership in Research, Education and Clinical Care". This is an interesting theme that invites all health workers to unite to increase collaboration in various aspects to produce quality services.

I hope, from this event we will increase the number of Faculty of Medicine and Diponegoro University's international publications as well as promoting international collaboration. I wish that this event will give a big contribution on sharing knowledge and information about medical and health sciences for the academic members, researchers and all of the participants. I also would like to appreciate to all of the committee members for their effort and hard work so that this event can happen.

Once again, welcome to the International Conference on Translational Medicine and Health Science (ICTMHS) in conjunction with Java International Nursing Conference (JINC) 2018. I hope that all of you enjoy your stay at Semarang and we will see you again on the next event.

Prof. Dr. dr. Tri Nur Kristina, DMM, M.Kes
Dean of Faculty of Medicine
Diponegoro University

Assalamulaikum Warahmatullahi Wabarakatuh

Praise goes to the most merciful God Allah SWT for the blessings of life and knowledge for us to gather in this meaningful occasion.

It is a great pleasure and honour for our University to be the host of 2nd International Conference on Translational Medicine and Health Sciences (ICTMHS) in conjunction with 4th Java International Nursing Conference (JINC). The special acknowledgement, I address to the distinguished speakers dr. Bambang Wibowo, Sp. OG(K), MARS from the Ministry of Health Republic of Indonesia, dr. Soetedjo, Sp.S(K) from The Indonesian Medical Association, Prof. Sandra Capra, PhD, FDAA from the University of Queensland-Australia, Prof. Dr.dr Kristina, DMM., M.Kes from Diponegoro University-Indonesia, Prof. Dra. Setyawati, M.App.Sc., Ph.D from Faculty of Nursing University of Indonesia, Fiona Miller from Griffith University-Australia, Lybrich Kramer from Hanze University-The Netherland, Anne Hyre from Jhon Hopkins University-United State of America, Kjara Bernadette V. Agatep from St. Paul University-Philippines, Dr.dr.Mexitalia Setiawati, Sp. A(K) from Diponegoro University-Indonesia, and dr.JC. Susanto, Sp.A (K) from Diponegoro University-Indonesia. Thank you for the valuable time to deliver knowledge and share scientific information at this conference. I believe that this opportunity will provide the valuable information for us and deliberate some new research ideas for participants of this conference.

For all participants, I would also like to welcome you at this conference. The origin of the conference theme is reflected from the idea of our Center of Excellence (CoE) which was established in 2012 representing our priority as a research university. Since the declaration of Diponegoro University as a research university, the main theme of every research result will be enhanced to the level of international benchmarking. Diponegoro University, has strong human resources and research background related to translational medicine and health sciences. It is also supported by laboratory such as Center for Biomedical Research.

The theme of this conference is "Creating a Better Future of Healthcare: Partnership in Research, Education and Clinical Care". This interesting issue needs to be discussed in this conference by sharing research findings and ideas. Therefore I believe this international conference will be able to present an interesting discussion with prominent speakers from Indonesia, Australia, Netherland, United States of America and Philippines, giving a contribution to the development of science and hopefully will encourage more research on this area.

I am grate full to see that this conference has enormous responses from the participants either from domestic or from other countries. The number of publication indexed by reputable database has been set as an indicator for world university rank including Indonesia. Therefore, Diponegoro University also encourages all scientists and academic staffs to increase their publication records in these international reputation journals.

Currently, Diponegoro University is in the 7th position among universities in Indonesia for the number of publications in reputable international journals. The number of Undip scientific

Welcome message

publications indexed in Scopus is 2350 documents. I sincerely express appreciation to the organizing committee for their effort to realize this conference. By the end of my short welcome address, I hope our foreign guests take advantage of their stay here to enjoy our beautiful city, Semarang.

Finally, once again I would like to convey a warmest welcome to all the distinguished guests and participants of the conference. Diponegoro University is giving the best to assist you in every way, therefore please enjoy our hospitality and have a delightful experience in the conference.

Wassalamulaikum Warahmatullahi Wabarakatuh

Thank you for your kind attention.

Prof. Dr. Yos Johan Utama, S.H., M.Hum

Rector of Diponegoro University

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Functional Outcome, Cognitive and Coping in Stroke Ischemic Survivors after Three Months Onset: Comparison between Post Stroke Depression and Non-Post Stroke Depression Groups

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ABSTRACT

Introduction: The functional outcome, cognitive, and coping were correlated with PSD among stroke survivors after three months onset. Studies comparing cognitive, functional outcome and coping between ischemic survivors after three months onset who are experiencing PSD and who are not were not well established. This study aimed to compare the functional outcome, cognitive, and coping between PSD and Non-PSD in Stroke Ischemic Survivor after three months onset and to demonstrate Odd Ratio

Methods: It was cross sectional study, which was conducted in outpatient services. The questionnaires were GRID-HAMD 17 for measuring PSD, Mini Mental Status Examination (MMSE), Barthel-Index (BI) and Medical Coping Modes Questionnaire (MCMQ). Statistical analysis was Mann-Whitney U was used to analysis the total score and crosstab was used to demonstrate the odd ratio. The ethical approval was obtained from faculty and hospital ethics committee.

Results: We involved 77 stroke ischemic survivors after three months onset. The prevalence of PSD was 58.5. The MMSE ($z=-2.37$, $p=.001$), BI ($z=-2.39$, $p=.016$), coping confrontation ($z=-2.583$, $p=.01$) and coping acceptance resignation ($z=-3.115$, $p=.002$) in PSD and Non-PSD groups were significantly different. Meanwhile, coping avoidance ($z=-1.385$, $p=.165$) was not significance. Stroke ischemic survivor with MMSE <27 ($p=.19$, OR=3.279, 95%CI 1.061 - 10.135), BI ≤ 60 ($p=.014$, OR=5.333, 95%CI 1.402 - 20.292), high score coping confrontation ($p=.17$, OR=.3.536 95%CI 1.352 - 9.247) and low score coping acceptance resignation score ($p=.006$, OR=5.165 95% CI 1.687 - 15.815) was risk for experiencing of PSD. Meanwhile coping avoidance ($p=.326$, OR=1.759, 95%CI, .704 - 4.384) was not.

Conclusion: This study has provided good estimates for the exposure rate of cognitive, functional outcome and coping among stroke ischemic survivors after three months onset with PSD. This study suggests important initial insights for complex nursing interventions.