



ICTMHS

International Conference on Translational
Medicine and Health Sciences

Semarang, October 27th - 28th 2017



ABSTRACT BOOK

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Organized by Faculty of Medicine Diponegoro University



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Journal of Biomedicine and translational Research (DOAJ, Google Scholar-indexed)

All the accepted manuscripts will go through selection processes upon publication in the aforementioned journal.

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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. All respect and greeting to the **Holy Prophet, Muhammad ﷺ** who guided us of Allah and lead us to Islam rahmatalil alamiin.

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, for all of their kind supervision during the preparation of this event. I would like to express my sincere gratitude to dr. Ahmad Zulfa, Sp.And, Ph.D, Prof. dr. Sultana MH Faradz, PhD, Prof. Dr. dr. Hussein Gasem, Sp.PD, Prof. Dr. dr. Suprihati, Sp.THT, especially to my really partner dr. Nani Maharani, M.Si.Med, Ph.D and 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 ICTMHS speakers for your willingness to come and give lectures here, and all of participants from various institutions in the world.

Welcome to **International Conference on Translational Medicine and Health Sciences (ICTMHS)**. It is a great pleasure to have all of you here in ICTMHS, Semarang Indonesia, on this October 27-28, 2017.

Translational medicine, also referred to as translational science, as *an interdisciplinary branch of the biomedical field supported by three main pillars: bench-side, bedside and community*, is a rapidly growing discipline aiming to improve the healthcare systems by “effectively translate the new knowledge, mechanism, and techniques, generated by advances in basic science research into new approaches for prevention, diagnosis, and treatment of diseases”. Research in the field of translational medicine is pivotal especially in finding scientific breakthroughs in the field of medicine, hence this type of research requires considerable amount of strategies, infrastructures and time.

Encouraged by the importance of this research field, Faculty of Medicine, Diponegoro University organize an international conference ICTMHS to promote educational and science development particularly on medical science, as well as to improve the research development and the growth of international scientific publications. Through ICTMHS, we hope to contribute in introducing and educating the scientific community on the nowadays advance in medical sciences.

ICTMHS in this year focuses on some highlight topics which are Infectious Disease, Immunology, Drug Discovery, Degenerative, Cardio – Metabolic Disease, Neuroscience, Oncology, Endocrinology, Holistic Nursing Science, and Nutritional Approach in Disease Prevention, which have been of interest to hundreds researcher and clinician that want to share their interesting research problems.

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.

This first ICTMHS is held on Semarang, a fascinating city with rich history and tradition of Java. It is a beautiful city, located on Central of Java, near Borobudur temple; one of Wonders of the World.

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

Wish you the best in all your work.

Muflihatul Muniroh, MD, MSc, Ph.D

Organizing Chairperson
ICTMHS 2017

Welcome message



Praise to the God Almighty for the International Conference on Translational Medicine and Health Science (ICTMHS) 2017, 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 Prof. dr. Soenarto Sastrowijoto, Sp.THT from Gadjah Mada University - Indonesia, Prof. Andre van der Ven from Radboud University – The Netherlands Prof. Dr. Johnson Stanslas from University Putra – Malaysia, Prof. Randi Hagerman, MD, Ph.D from University of California Davis – USA, Prof. Frank de Jong, MD, Ph.D from Erasmus University Medical Center – The Netherlands, and Prof. Gerard Pals, Ph.D from VUMC Amsterdam – The Netherlands.

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, we would like to introduce and educate the public about medical research development from around the world, especially on the field of Infectious Disease, Immunology, Drug Discovery, Holistic Nursing Science, Degenerative, Cardio – Metabolic Disease and Neuroscience. And as a part of Diponegoro University, we would like to promote our goal as the World Class University, so I hope that from this event we will increase the number of Faculty of Medicine and Diponegoro University's international publications as well.

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) 2017, 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

Welcome message



Assalamualaikum Warahmatullahi Wabarakatuh

It's a great pleasure and honour for our University to be the host of International Conference on Translational Medicine and Health Sciences. The special acknowledgement, I address to the distinguished speakers Prof. dr. Soenarto Sastrowijoto, Sp.THT from Gadjah Mada University - Indonesia, Prof. Andre van der Ven from Radboud University – The Netherlands Prof. Dr. Johnson Stanslas from University Putra – Malaysia, Prof. Randi Hagerman, MD, Ph.D from University of California Davis – USA, Prof. Frank de Jong, MD, Ph.D from Erasmus University Medical Center – The Netherlands, and Prof. Gerard Pals, Ph.D from VUMC Amsterdam – The Netherlands.

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 the 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.

Translational medicine is a rapidly evolving biomedical research aimed at finding new diagnostic tools and treatments with a multidisciplinary approach, with a bench-to-bedside approach, which will be applied for the benefit of society. Translational research is an important aspect in research, especially in helping to find scientific breakthrough in the field of medicine and use it as much as possible for the patient's health and to the general public. These interesting issues need to be discussed in this conference by sharing research finding and ideas. I am grateful to see that this conference has enormous responds from the participants either from domestic or from other countries. 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 6th position among universities in Indonesia for the number of publications in reputable International journals. 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. Once again, it is my great pleasure to welcome you all to the International Conference on Translational Medicine and Health Sciences. I wish you a pleasant two fully scientific days of conferences and I hope you can get a fruitful share with other scientists on current developed knowledge and perhaps seeking for potential collaboration of your interested field.

Wassalamualaikum Warahmatullahi Wabarakatuh

Thank you for your kind attention.

Prof. Yos Johan Utama
Rector

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Scientific Programme

"International Conference On Translational Medicine And Health Sciences (ICTMHS) 2017" Crowne Hotel Semarang, 27-28 October 2017

Day I (Friday, 27 October 2017)				
TIME	Topic : Drug Discovery, Nutritional Health Research, Infectious Diseases & Immunology, Holistic Nursing Science			
07.00 - 07.45	REGISTRATION			
07.45 - 08.30	Opening Speech (Organizing Chairperson, Dean of Faculty of Medicine, Rector of Diponegoro University), sing "Indonesia Raya", Photo Session			
	Plenary Session (Moderator : Prof.dr. Muhammad Hussein Gassem, Ph.D, Sp.PD, KPTI)			
08.30 - 09.00	Prof. dr. Soenarto Sastrowijoto, Sp.THT (Topic : Ethical Aspect on Translational Resarch)			
09.00 - 09.45	Prof. Andre van der Ven (Radboud) : Antimicrobial resistance formation: a global threat			
09.50 - 10.30	Prof. A.D.M.E (Ab) Osterhaus, Ph.D (Rotterdam): SARS, influenza, Ebola, MERS, Zika: what have we learned?			
09.45 - 10.30	Prof. Dr. Johnson Stanslas (UPM): Drug discovery and personalised medicine for cancer: the impact of translational research			
10.30 - 10.45	Discussion (Q & A)			
10.45 - 11.00	Coffee break			
11.00 - 11.30	Free Paper Oral & Poster Presentation	Free Paper Oral & Poster Presentation	Free Paper Oral & Poster Presentation	Free Paper Oral & Poster Presentation
	3 paper @10 min	3 paper @10 min	3 paper @10 min	3 paper @10 min
11.30 - 13.00	Sholat Jumat and Lunch			
	Invited Lectures			
	Grup I (Drug Discovery)	Grup II (Nutritional Health Research)	Grup III (Infectious Disease)	Grup IV (Holistic Nursing Care)
	Moderator: dr. Endang Mahati, M.Sc, Ph.D	Moderator: Dr. Diana Nur Afifah, STP, M.Si	Moderator: dr. Rahajeng NT, M.Si.Med, Ph.D	Moderator: Ns. Nana Rochana, S.Kep, MN
13.00 - 13.30	Prof. Christine Imbert, Ph.D	Prof. Peter Emery	Prof. Andre van der Ven	Assoc. Prof. Jennieffer Barr, Ph.D
	Finding new active compounds from natural resources to control fungal biofilms	Nutritional support to mitigate malnutrition in patients to reduce hospitalization cost	The interaction between platelets and host defense	The Evolution of Holism in Nursing
13.30 - 14.00	Megumi Yamamoto, MD, Ph.D	Assoc. Prof. Akio Ohta	Prof.dr. M.Hussein Gassem, Ph.D, Sp.PD, K-PTI	Dr. Meidiana Dwidiyanti, Ns.
	Experimental findings on methylmercury toxicity and its prevention	Encapsulation Technologies to Improve the Functional of Food Ingredients	Leptospirosis: diagnostic pitfalls and role of biomarkers in disease severity	Self-care model in chronic illness
14.00 - 14.30	Prof. Ocky Karna Radjasa, M.Sc, Ph.D	Dr. Ir. Umi Fahmida, M.Sc	Prof. Dr. dr. Tri Nur Kristina, DMM, M.Kes	
	Microbial Symbionts of Marine Invertebrates as an Environmentally Friendly Source of Marine Natural Products	Linear programming to develop dietary guidelines and food-based intervention to improve nutrition and health outcome	Contribution of education institution to solve problems of infectious diseases in community	
14.30 - 15.00	Discussion (Q & A)	Prof. Wan Abdul Manan Wan Muda	dr. Helmia Farida, Ph.D	Kusman Ibrahim, MNS, Ph.D
		Decoding The Double Burden Paradox: Nutrition Transition in Malaysia	The etiology of community acquired pneumonia : Does geographical variation matter ?	Cultural approach in holistic nursing
15.00 - 15.30	Free Paper Oral & Poster Presentation	Discussion (Q & A)	Discussion (Q & A)	Discussion (Q & A)
	3 paper @10 min			
15.30 - 15.45	Coffee break			
15.45 - 17.05	Free Paper Oral & Poster Presentation	Free Paper Oral & Poster Presentation	Free Paper Oral & Poster Presentation	Free Paper Oral & Poster Presentation
	5 paper @10 min	8 paper @10 min	8 paper @10 min	8 paper @10 min
18.30 - 21.30	Welcoming / Gala Dinner			

Scientific Programme

Time	Day II (Saturday, 28 October 2017)			
	Topic : Degenerative, Cardio-Metabolic Diseases & Neuroscience			
07.45 - 08.00	Opening			
	Plenary Session (Moderator: Prof. dr. Sultana MH Faradz, Ph.D)			
08.00 - 08.45	Prof. Randi Hagerman, MD, Ph.D (Targeted Treatments in Intellectual Disabilities)			
08.45 - 09.30	Prof. Frank de Jong, MD, Ph.D (Tittle: Endocrinology and Obesity)			
09.30 - 10.15	Prof. Gerard Pals, Ph.D (Cardiovascular) (Tittle:Direct transdifferentiation of human fibroblasts into smooth muscle cells and osteoblasts for drug discovey and functional analyses of mutations)			
10.15 - 10.30	Discussion (Q & A)			
10.30 - 10.45	Coffee break			
10.45 - 12.00	Free Paper Oral & Poster Presentation	Free Paper Oral & Poster Presentation	Free Paper Oral & Poster Presentation	Free Paper Oral & Poster Presentation
	8 paper @10 min	8 paper @10 min	8 paper @10 min	8 paper @10 min
12.00 - 12.45	Lunch (& Poster Presentation)			
	Invited Lectures			
	Grup I (Degenerative disease & Oncology)	Grup II (Translational Endocrinology)	Grup III (Translational Neuroscience)	Grup IV (Cardio-Metabolic)
	Moderator: dr. Muflihatul Muniroh, M.Si.Med, Ph.D	Moderator: Dr. dr. K Heri Nugroho Hario Seno, Sp.PD-KEMD	Moderator: dr. Yuriz Bakhtiar, Ph.D, Sp.BS	Moderator: dr. Nani Maharani, M.Si.Med, Ph.D
12.45 - 13.15	Prof. Randi Hagerman, MD, Ph.D	Prof. dr. Sultana MH Faradz, Ph.D	dr. Tri Indah Winarni, M.Si.Med, Ph.D	Dr. dr. Anwar SANTOSO, Sp.JP(K), FIHA, FAsCC, FESC. FACC
	The fragile X Premutation from Neurodevelopment to Neurodegeneration	Molecular analysis of DSD genes toward its management, from research bench to clinical practice	Early intervention and targeted treatment in children with Fragile X syndrome: Where have we been so far?	Phospholipase A2 an Emerging CAD Risk Factors in the Horizon: Any genetic poly morphisms take a role in CVD
13.15 - 13.45	Prof. Chihaya Koriyama, MD, Ph.D	Prof. Frank de Jong, MD, Ph.D	Hirofumi Hirano, MD, Ph.D	dr. Bambang Widiantoro, Ph.D, Sp.JP, FIHA
	Molecular epidemiology of HPV-related cancers	Multi-facetted regulation of androgen activity	Malignant brain tumor and the treatment	Cardiac Remodeling in Diabetic Heart Disease: Learning from translational studies on Endothelin system
13.45 - 14.15	Prof. Dr.dr. Ign. Riwanto, Sp.B, Sp.BKBD	dr. Achmad Zulfa J, M.Si.Med, Ph.D, Sp.And	Prof. dr. Zainal Muttaqien, Ph.D, Sp.BS	dr. Bahruddin, M.Si.Med, Ph.D
	Fighting to colorectal cancer (CRC) stem cells	Hormonal analysis in Disorders of Sex Development	Well Organized Epilepsy Surgery Program in Semarang: Paving the way to start Multidisciplinary Translational Researches in the field of Epilepsy	Diagnostic tool, pathogenesis, and pharmacological intervention in hypertrophic cardiomyopathy caused by a mutant cardiac myosin-binding protein c
14.15 - 14.45	Discussion (Q & A)	Dr. dr. Hardian	dr. M.Thohar Arifin, Ph.D, Sp.BS	dr. Ali Sobirin, M.Si.Med, Ph.D
		The effect of chronic pesticide exposure to the autonom nervous system	Intraoperative Electro Cortico Graphy (ECog): recent updates	Natural Killer T Cells Play a Cardioprotective Role Against Left Ventricular Remodeling and Failure After Myocardial Infarction in Mice
14.45 - 15.15	Free Paper Oral & Poster Presentation	Discussion (Q & A)	Discussion (Q & A)	Discussion (Q & A)
	3 paper @10 min			
15.15 - 15.30	Coffee break			
15.30 - 16.20	Free Paper Oral & Poster Presentation	Free Paper Oral & Poster Presentation	Free Paper Oral & Poster Presentation	Free Paper Oral & Poster Presentation
	2 paper @10 min	5 paper @10 min	5 paper @10 min	5 paper @10 min
16.20 - 17.00	Closing ceremony & Award announcement			

DAY 1 (October 27th 2017)

SESSION 1

	Drug Discovery (Room 1)			Nutritional Approach in Disease Prevention (Room 2)			Infectious-immunology disease (Room 3)			Holistic Nursing Science (Room 4)		
Session Chair:	Faizah Fulyani, M.Sc., PhD			Gemala Anjani, S.P., M.Si, Ph.D			dr. Rebriarina Hapsari, M.Sc			Ns. Sri Padmasari, S.Kep., MNS		
Evaluator	Faizah Fulyani, M.Sc., PhD; Megumi Yamamoto, MD., Ph.D; Prof. Christine Imbert, Ph.D			Gemala Anjani, S.P., M.Si, Ph.D, Prof. Peter Emery, Assoc. Prof. Akio Ohta			dr. Rebriarina Hapsari, M.Sc; Prof. Dr. Muhammad Hussein Gasem, Ph.D., Sp.PD., K-PTI; Prof. Andre van der Ven			Ns. Sri Padmasari, S.Kep., MNS, Assoc. Prof. Jennieffer Barr, Ph.D, Meidiana Dwiyantri, S.Kp., M.Sc		
PIC Room	dr. Galuh Hardaningsih, M.Si.Med, Sp.A			drg. Nadia Hardini, Sp.KG			drg. Ananta Herachakri Pitaloka, Sp.Ort			dr. Mahayu Dewi Ariani, M.Si.Med		
TIME	CODE	PRESENTER	TITLE	CODE	PRESENTER	TITLE	CODE	PRESENTER	TITLE	CODE	PRESENTER	TITLE
11.00 - 11.10	DD 1-01	Anand Gaurav	3D QSAR Studies of 2-Arylpyrimidines and S-Triazines as Selective PDE4B Inhibitors	NT 1-01	Etika Ratna Noer	Physical Activity and Carbohydrate Intake and Its Association with Abdominal Obesity Among Indonesian Adolescents	ID 1-02	Yanuar Iman Santosa	Effect of Stress on IL-17 Levels on an OVA-immunized Mice Allergic Model	HN 1-01	Zuniati,	The Effect of Monitoring Educational Program for Fluid Restriction Adherence in Patient Undergoing Hemodialysis Via Mobile Technology
11.10 - 11.20	DD 1-02	Elly Nurus Sakinah	The effectiveness of Merremia mammosa (Lour.) extract fractions as diabetic wound healers on diabetic rats model	NT 1-02	Kusmadewi Eka Damayanti	Iron-rich food analysis to be potential source for food-based approach on iron deficiency anemia prevention	ID 1-03	Helmia Farida	Urinary Tract Infection caused by ESBL producing Strains in Pediatric Patients Hospitalized in dr. Kariadi Hospital	HN 1-02	Henni Kusuma,	Phenomenology Study : Analysis Of Support Group Holistic Needs Among Patient With Chronic Kidney Disease And Family At Hemodialysis Unit In Semarang Central Java

11.20 - 11.30	DD 1-03	Diana Novitasari	The effect of <i>Cinnamomum burmanii</i> and <i>Lagerstroemia speciosa</i> combination (DLBS3233) on superoxide dismutase (SOD) activity in type 2 DM patients	NT 1-03	Nurlienda Hasanah	Vegetables are the Most Correlate with Blood Pressure in Outpatient of Dinoyo Community Center in Malang, Indonesia: a Case-control Study	ID 1-04	Rahajeng N. Tunjungputri	Interrelationship of platelet number and reactivity with plasma cytokines, acute phase proteins and cytokine responses in the 500-Human Functional Genomics cohort of healthy volunteers	HN 1-03	Fatikhu Yatuni Asmara	Implication of Learning Styles on Learning Process of Nursing Students
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SESSION 2

Session Chair:	dr. Darmawati Ayu I, M.Si.Med			Gemala Anjani, S.P., M.Si, Ph.D			dr. Rebriarina Hapsari, M.Sc			Ns. Sri Padmasari, S.Kep., MNS		
Evaluator	dr. Darmawati Ayu I, M.Si.Med; Megumi Yamamoto, MD., Ph.D; Prof. Christine Imbert, Ph.D			Gemala Anjani, S.P., M.Si, Ph.D, Prof. Peter Emery, Assoc. Prof. Akio Ohta			dr. Rebriarina Hapsari, M.Sc; Prof. Dr. Muhammad Hussein Gasem, Ph.D., Sp.PD., K-PTI, Prof. Andre van der Ven			Ns. Sri Padmasari, S.Kep., MNS, Assoc. Prof. Jennieffer Barr, Ph.D, Meidiana Dwiyantri, S.Kp., M.Sc		
PIC Room	dr. Galuh Hardaningsih, M.Si.Med, Sp.A			drg. Nadia Hardini, Sp.KG			drg. Ananta Herachakri Pitaloka, Sp.Ort			dr. Mahayu Dewi Ariani, M.Si.Med		
TIME	CODE	PRESENTER	TITLE	CODE	PRESENTER	TITLE	CODE	PRESENTER	TITLE	CODE	PRESENTER	TITLE
15.45 - 15.55	DD 1-04	Udin Bahrudin	Inhibition of ubiquitin proteasome system by local anesthetics pilsicainide and lidocaine	NT 1-04	Retno Murwani, Andrew Johan,	Low Glycemic Index Noodles Snack From Yellow Sweet Potato (<i>Ipomoea Batatas</i>) And Pumpkin	ID 1-05	Agatha Magistalia Cahiadewi	The Effect of Zinc Supplementation on The Number of Eosinophil in the Lungs of Allergic Patients Experimental	HN 1-04	Sang AyuKetut Candrawati	The Effect of Mindfulness with Gayatri Mantra to Reduce Anxiety in Elderly

						(Curcubita Moschata) Blend			Study on BALB/c mice with Ovalbumin Sensitization			
15.55 - 16.05	DD 1-05	Ancah Caesarina	The dose dependence analysis of the water fraction of Merremia mammosa (Lour.) extract on diabetic wound healing enhancement	NT 1-05	Rizki Karunianti Agustina,	Antioxidant Activity and Soluble Protein Content in Tempeh Gembus Hydrolysate	ID 1-06	Runjati	The impact of antenatal Coping Skill Classes (ACSC) towards Cortisol and IgG Serum Level among Pregnant women	HN 1-05	Heru Suwardiant o	Effects of Physical-Cognitive Therapy on Increasing Physical and Cognitive Functions in Critical Patients at Intensive Care Unit
16.05 - 16.15	DD 1-06	Nur Rohmah Suwandi	Supplementation of Freeze-Dried Strawberry Powder Reduced Malondialdehyde (MDA) Levels and Improved Testes Histology of Diet-Induced Obesity in Male Rat	NT 1-06	Retno Murwani	Administration of Tempeh Deep Fried in Vitamin A Fortified or Unfortified Palm Oil to serum Retinol of Mice (Mus musculus)	ID 1-07	Satrio-Adi Wicaksono	The Effects of Melatonin on Random Blood Glucose Levels in the Wistar Rats Model of Sepsis	HN 1-06	Anggorowati Anggorowati	Effects of Engineered Stimulation of Oxytocin on Hormonal Status of Postpartum Women
16.15 - 16.25	DD 1-07	Ummi Chamidatun Nadliroh,	Muntingia calabura Leaves Extract, A Potential Gastroprotective Agent Against Gastric Mucosal Damage Induced by Soft Drink and Alcoholic Beverages	NT 1-07	Etisa Adi Murbawati	Sensitivity And Specificity Of Neck Circumference As An Indicator For Metabolic Syndrome In Obese Teenagers	ID 1-08	Kis Djamiatun	Annona muricata effect towards spleen-CXCL10 during severe malaria infection of Plasmodium berghei ANKA in swiss mice	HN 1-07	Megah Andriany	The return of a correctional tuberculosis nurse's professional values: A narrative study

16.25 - 16.35	DD 1-08	Dimas Banurusman Lululangi,	Effect of Muntingia calabura Leaf Extract as Protective Agent against Spermatogenesis Damage Induced by Alcoholic Beverage and Soft Drink	ID 1-010	Yuniati R	Role Of Red Fruit (Pandanus Conoideus) Towards Photoaging Inhibition In Balb/C Mice Skin	ID 1-09	Ashur Almurabt	Impact of acute stress on innate immune response to hepatitis B vaccine in vaccinated Wistar albino rats	HN 1-08	Raihany Sholihatul Mukaromah	Effects of IDEAL Discharge Planning on the Quality of Documentation Implementation of Patients with Chronic Kidney Disease at Internal Wards
16.35 - 16.45	DD 1-09	Fulyani F	GlnPQ as a novel target for drug development against gram positive bacteria				ID 1-011	Munita F.F	Distribution Of CD4+RORg-T Th17 And CD25+ FOXP3+ Treg In Leprosy Patien With Reversal Reaction	HN 1-09	Veronika Toru	Effects of SBAR Communication through Telephone on the Improvement of Effective Communication in Implementing the Patient Safety Program
16.45 - 16.55	DD 1-010	Sari Sudarmiati	The Effect Combination Of A Progressive Relaxation, Hypnosis, And Aromatherapy To Dysmenorrhea				ID 1-012	Dhelya Widasmara	The Evaluation Of Pmp22 And Protein O, Examinationsfor Early Disability Detection In Leprosy Patients	HN 1-010	Brigitta Ayu Dwi Susanti	The Effect of Coffee as an Oral Hygiene on Head and Neck Cancer Patients for Comfort Levels
16.55 - 17.05										HN 1-011	Vivi Leona Amelia, Poppy Fitriani	Grocery Store Tour to Promote a Healthy Food for Schoolchildren
17.05 - 17.15										HN 1-012	Astuti	The Effect Of Self Management Towards Psychosocial Adjustment

DAY 2 (October 28th 2017)

SESSION 3

	Degenerative and Oncology (Room 1)			Endocrinology (Room 2)			Neuroscience (Room 3)			Cardio Metabolic (Room 4)		
Session Chair:	dr. Darmawati Ayu I, M.Si.Med			dr. Tun Paksi Sareharto, MSi.Med, SpA			dr. Maria Belladonna Rahmawati S., MSi.Med, SpS			dr. Sulistiyati Bayu Utami, Ph.D, Sp.JP		
Evaluator	dr. Darmawati Ayu I, M.Si.Med, Prof. Dr. dr. Ignatius Riwanto, Sp.B., Sp.BKBD, Prof. Chihaya Koriyama, MD., PhD			dr. Tun Paksi Sareharto, MSi.Med, SpA; Prof. Frank de Jong, PhD, dr. Achmad Zulfa Juniarto, MSi.Med, Sp.And., PhD			dr. Maria Belladonna Rahmawati S., MSi.Med, SpS, Prof. dr. Zainal Muttaqin, Ph.D., SpBS, Assoc. Prof. Hirofumi Hirano, MD			dr. Sulistiyati Bayu Utami, Ph.D, Sp.JP, Dr. dr. Anwar Santoso, Sp.JP, FIHA, FAsCC, FCA ; dr. Bambang Widianoro; Ph.D., Sp.JP., FIHA		
PIC Room	Dr. dr. I Edward Kurnia, MH.Kes, Sp.PK			dr. Donna Hermawati, MSi.Med			dr. Anna Mailasari, Sp:THT-KL			dr. Desy Armalina, M.Si.Med		
TIME	CODE	PRESENTER	TITLE	CODE	PRESENTER	TITLE	CODE	PRESENTER	TITLE	CODE	PRESENTER	TITLE
10.45 - 10.55	DG 1-01	Satrio-Adi Wicaksono,	Comparison of serum p substance levels in pre and post thyroid surgery patients given 0.25% bupivacaine analgesic by bilateral superficial cervical plexus block (BSCPb)	ED 1-01	Yayun Siti Rochmah,	Potimorphism C677T MTHFR gene, A1298C MTHFR gene, MSX1 gene as Risk Factor Cleft Lips With or Without Cleft Palate Non Syndromie at Sasak Tribe Lombok Indonesia	NS 1-01	Donna Hermawati	Early Electronic Screen Exposure and Autistic-like Symptoms: A preliminary study	CM 1-01	Banundari Rachmawati	Homocysteine Levels And Lipid Profile On Non-Diabetic Individuals And Diabetic Individuals With And Without Cardiovascular Complications
10.55 - 11.05	DG 1-02	Syarifah Dewi,	The viability of doxorubicin-treated human breast cancer stem cells associated to the PCNA and BIRC5 gene expression	ED 1-02	Ervina Sofyanti	Polymorphism in 4'-UTR region of PITX2 gene in vertical mandible asymmetry	NS 1-02	Dian retro utari	Identification of Sudden Unexpected Death in Epilepsy (SUDEP) Based on Forensic Odontology Sciences	CM 1-02	Novi Anggriyani	Effect of Remote Ischemic Preconditioning in Periprocedural Myocardial Injury Events in Elective Percutaneous Coronary Intervention

1105 - 1115	DG 1-03	Helmi Sastriawan,	The Effectiveness of Phaleria Macrocarpa and Chemotherapy in Increasing Caspase 3 and Apoptotic Index in Epidermoid Carcinoma	ED 1-03	Achmad Zulfa Juniarto	Microdeletion of Azoospermia Factor Region (AZF) in Hypospadiapatient s: A predietor factor for infertility	NS 1-03	Hermina Sukmaningtyas	Diagnostic value of fractional anisotropy in detecting hippocampal sclerosis: A study on intractable Mesial Temporal Lobe Epilepsy with normal MRI	CM 1-03	Riana Novita Sari	The Effect of Pilates Exercise on the Quality of Life Domain Physical Health in Obesity Adolescents Measured by WHOQOL-BREF
1115 - 1125	DG 1-04	Rickky Kumiawan, MD	Correlation Between PSA Levels With Gleason Score of Adenocarcinoma Prostate Study in Dr Kariadi Hospital Semarang				NS 1-04	Mohamad Sofyan Harahap	The Role Of Dexmedetomidine As Brain Protector Assessed By Cortisol, IL-6 And Cox-2 Concentration In Rat Model Of Traumatic Brain Injury	CM 1-04	Hery Djagat Purnomo,	The Roles of Metabolic Syndrome and Several Biomarkers in Incidence and Severity of Non Alcoholic Fatty Liver Disease
1125 - 1135							NS 1-05	Ainun Rahmasari Gumay	The Effect Of Green Tea Epigallocatechin-3-Gallate On Spatial Memory Function, Malondialdehyde And Tnf-A Level In D-Galactose-Induced Balb/C Mice	CM 1-05	Kresna AR,	The Differences of Peak Expiratory Flow Rate Before and After Vertical Run and Jogging Exercise
1135 - 1145							NS 1-06	MT Arifin	Brain Tumor cases most oftenly related to Chronic Epilepsy			
1145 - 1155							NS 1-08	Muhamad Thohar Arifin	Starting Advance Epilepsy programe in countries with limited resources: Indonesian Experience			

SESSION 4

	Degenerative and Oncology (Room 1)			Epidemiology & Community Medicine (Room 2)			Neuroscience (Room 3)			Cardio Metabolic (Room 4)		
Session Chair:	Dr. dr. I Edward Kurnia, MH.Kes, Sp.PK			dr. Donna Hermawati, M.Si.Med			dr. Arinta Puspitawati, Sp.S			dr. Mochamad Ali Sobirin, Ph.D		
Evaluator	Dr. dr. I Edward Kurnia, MH.Kes, Sp.PK , Prof. Dr. dr. Ignatius Riwanto, Sp.B., Sp:BKBD, Dr. dr. Yan Wisnu Prajoko, Sp.B(K)Onk., M.Kes			dr. Donna Hermawati, M.Si.Med, Prof. Dr. dr. Tri Nur Kristina, DMM,M.Kes, Megumi Yamamoto, MD., Ph.D			dr. Arinta Puspita Wati, Sp.S, Prof. dr. Zainal Muttaqin, Ph.D., Sp:BS, Assoc. Prof. Hirofumi Hirano, MD			dr. Mochamad Ali Sobirin Ph.D, Sp:JP, Dr. dr. Anwar Santoso, Sp:JP, FIHA, FAsCC, FICA, dr. Bambang Widiantoro, Ph.D., Sp:JP., FIHA		
PIC Room	Dr. dr. I Edward Kurnia, MH.Kes, Sp.PK			dr. Donna Hermawati, M.Si.Med			dr. Anna Mailasari, Sp:THT-KL			dr. Desy Armalina, M.Si.Med		
TIME	CODE	PRESENTER	TITLE	CODE	PRESENTER	TITLE	CODE	PRESENTER	TITLE	CODE	PRESENTER	TITLE
1530 - 1540	DG 1-05	Moedrik Tamam	Mutation Type And Clinical Manifestations Of Transfusion-Dependent B-Thalassemia/Hbe Patients In Semarang, Indonesia	EP 1-01	Erna Setiawati	The Comparison of Efficacy between Hatha Yoga and Tai Chi at FEV1 and FVC in COPD Patients	NS 1-07	Dwi Pudjonarko	The Role Of Leucocyte And Crp Levels Toward Infarct Volume In Acute Ischaemic Stroke Patients	CM 1-06	Sefri Noventi Sofia	Risk and Early Changes of Left Ventricular Structure and Function in Young Obesity
1540 - 1550	DG 1-06	C.Suharti,	P-Selectinasa Predietor Venous Thromboembolism in Cancer Patients Undergoing Chemotherapy	EP 1-02	Lathifa Putry Fauzia, Ilva Widyaningtyas Savitri	The Association Between Batik Making Process With Cardiorespiratory Function And Musculoskeletal Disorder In Batik Artisan	NS 1-09	Irene Halim, Erni	Effect of Chronic Organophosphate Poisoning on Attention Defieit and Memory Impairment	CM 1-07	Sulistiyati Bayu Utami	Serum Neopterin Levels Related to the In-hospital Adverse Outcome, 3-months Adverse Outcome and Rehospitalization in Patients with Coronary Artery Disease and Diabetes Mellitus
1550 - 1600	DG 1-07	D. Santoso	Inhibition of the Tumour Necrosis Factor-Alpha in Myeloma Pateints with Curcumin	EP 1-03	Jessica Christanti Pualamsyah	Lean Healthcare Approach to Minimizing Waste in Basic Emergency	NS 1-010	Dinie Ratri Desiningrum	Grandparents Social Support and Psychological Well Being of Elderly (Study in Family of	CM 1-08	Rendi Editya Darmawan	Effects of Neo Automatic Code on the accuracy of chest compression depths in cardiac

						Obstetric and Newborn Care at Brebes and Semarang City, Central Java			Children with Autism Syndrome Disorder)			arrest patients
1600 - 1610	DG 1-08	Eko A Pangarsa,	The Correlation between serum vascular endothelial grow factor (VEGF) levels and size of colorectal cancer tumors	EP 1-04	Johanna Krotzek Seah	Tuberculosis screening and chemoprophylaxis in child contacts: A situational analysis in the community setting	NS 1-011	Innawati Jusup	Combination CBT (Cognitive Behavioural Therapy) And Virtual Reality Effectiveness In Managing Acrophobia	CM 1-09	Dono Indarto	In silico candidate of aldosterone antagonist for treatment of cardiovascular disease
1610 - 1620	DG 1-09	Yetty M Nancy,	Level of Urinary trans,trans-muconic acid as an indicator of benzene exposure in childhood Leukemia	EP 1-05	Saekhol Bakri	Factors That Influence The Quality of Doctor's Services in Children's Diarrhea Cases in Indonesia	NS 1-012	Hardian, Gianina Dinda Pamungkas	Effect Of Caffeine And Brain Training On Cognitive Function	CM 1-010	Niken Budiastuti C	The effect of virtual reality game exercise on cardiorespiratory fitness in overweight adolescent measure by six minute walking test(6MWT)

DAY 1 (October 27 th 2017)						
Topic : Endocrine (ED), Epidemiology (EP), Degenerative and Oncology (DG), Neuroscience (NS), Cardiometabolic (CM)						
SESSION 1						
Evaluator:	dr. Mochamad Ali Sobirin, Ph.D, dr. Yetty Movieta Nancy, Sp.A(K)			dr. Muhamad Thohar Arifin, Ph.D., PA., Sp.BS(K), dr. Endang Sri Lestari, M.Sc, Ph.D		
PIC	dr. Ainun Rahmasari Gumay, M.Si.Med			dr. Desy Armalina, M.Si.Med		
Time	Group 1			Group II		
11.00 - 11.05	ED 2-01	Putri Nastiti Rarasati	The Association Between Menstrual Cycles And The Severity Of Acne Vulgaris	DG 2-01	Gunawan Santoso	Intermodality agreement between MR diffusion and MR with hepatocyte contrast agent Gadoteric Acid Disodium (Gd-EOB-DTPA) to determine HCC (A Preliminary Study)
11.05 - 11.10	ED 2-02	Elza Ibrahim Auerkari	Genetic Aspects of Cleft Lip and Palate: A Literature Review	DG 2-02	Riski Prihatningtias	The Comparisons Of Caspase-3 And Caspase-7 Expression From Retinal Ganglion Cells Apoptosis Post Folic Acid and Methylcobalamine Administrations In Methanol Toxic Wistar Rats Models
11.10 - 11.15	ED 2-03	Elza Ibrahim Auerkari	Genetic and Epigenetic Influences on Orthodontic Tooth Movement	DG 2-03	Mr Eriawan Agung Nugroho, MD, PhD	Relationship of prostate volume with age levels in patients with Benign Prostate Hyperplasia (BPH) In Dr Kariadi Hospital Semarang period of January 2012 - December 2014

11.15 - 11.20	ED 2- 04	Elza Ibrahim Auerkari	Genetic factors associated with Primary Failure of Eruption: A Literature Review	DG 2-04	Eriawan Agung Nugroho, MD, PhD	Association Between Hyperglycemia and Prostate Volume in Patients with Benign Prostate Enlargement in dr.Kariadi Hospital Semarang
11.20 - 11.25	ED 2- 05	Isma R	Comparison of the Acute Effect of Light and Moderate Intensity Aerobic Exercise on Cortisol Level in Obese Adolescents	DG 2-05	Antonius Tatit Pulunggana, MD	The Incidence of Comorbid Factors Geriatric and Non- Geriatric Patients with BPH Who Performed TVP Surgery in The Hospital Dr.Kariadi Semarang
11.25 - 11.30	ED 2- 06	Robby Cahyadi	Effect of Dolanan Bocah Modification Dance on Balance in Obese Children Aged 7-10 Years Old	DG 2-06	Budi Setiawan	Primary brain lymphoma in a patient with chronic myeloid leukemia
SESSION 2						
15.00 - 15.05	ED 2- 07	Retno Hartanti	The effect of Circuit Training on Endurance Abdomen Muscle Assessed by 30 seconds Sit Up test in Obese Children	DG 2-07	Sumekar Tanjung A, M.D., M.Sc.	Autism phenotype in fragile X premutation males is not associated with FMR1 expression: a preliminary evaluation
15.05 - 15.10	ED 2- 08	Michael Anthony Nafarin, MD	Erectile dysfunction insidensi prostatectomy reseksi with transurethral following the operation the patient with prostate prostatectomy transvesical prostat enlargement in the Kariadi hospital, Semarang	NS 2- 01	Dr. Hardian Hardian	Autonomic Dysfunction Of Chronic Organphosphate Poisoning

15.10 - 15.15	ED 2- 09	Darmawati Ayu Indraswari	Mutation Analysis Using Multiplex Ligation-Dependent Probe Amplification (Mlpa) And High-Resolution Melting Curve (Hrm) In Isolated Hypospadias Patients	NS 2- 02	Rina Fajarwati	Cocaine-induced midline destructive lesion (CIMDL)
15.20 - 15.25	EP 2- 01	Mrs Rany Adelina	BMI correlated to gender, dietary pattern, food access, and meal preparation of Indonesian college students lives in Taipei city, Taiwan	NS 2- 03	Hikmatunnisa TA , Qonita NQ	Effect Of Skipping And Running With Music In Short-Term Memory Improving In Young Adults
15.25 - 15.30	EP 2- 02	Dwi Pudjonarko	Association of Traumatic Brain Injury with Cognitive Impairment	NS 2- 04	Regina Hutasoit	Is Simple Ulnar Nerve Decompression Simple?
15.30 - 15.45	Coffee Break					
15.45 - 15.50	EP 2- 03	Puspito Arum	Phenylalanine and Tryptophan Intake of Hyperactive Children With Autism in Autistic Daycare Subdistrict Patrang District Jember	NS 2- 05	Muhamad Thohar Arifin	Hemispherotomy for intractable epilepsy
15.50 - 15.55	EP 2- 04	Arisanty Nursetia Restuti	Effects of Smoking On Differential Leucocyte Count Between Smokers And Non Smokers	NS 2- 06	Sri Rejeki	Counter-Pressure Of Pain Intensity In Dismenorrhea At Adolescence
15.55 - 16.00	EP 2- 05	Kusmiyati DK	Correlation between 25 hydroxyvitamin D levels and leucocyte count, neutrophil limfocyte ratio,c-reactive protein in elderly with anemia and non anemia	NS 2- 07	Natalia Dewi Wardani	Depression Symptom On Behavioral And Psychological Symptoms On Dementia (A Systematic Review)
16.00 - 16.05	EP 2- 06	Meta Yunia Candra	Variant Methode of Age Estimation Based on Dental Examination	CM 2-01	Evi Nurhayatun	Oral N-Acetyl Cysteine Lowered IL 6 Level Among Stage V Chronic Kidney Disease Patients on

						Continuous Ambulatory Peritoneal Dialysis (CAPD)
16.05 - 16.10	EP 2-07	Cucu Sopiah	Practice Of Hand-Washing In Children Using Educational Media "Magical Box, My Hands Clean Healthy Life	CM 2-02	Elkawati	The Effect of Modified "Dolanan Bocah" Dance to Dynamic Gait Index in Obese Children Aged 8 - 10 years old
16.15 - 16.20	EP 2-08	Vivi Leona Amelia	Board Game as An Educational Tool for Dengue Prevention Knowledge for Schoolchildren	CM 2-03	Hesty Oktarini	Effect Of Modified " Dolanan Bocah" Dance to Attention Function In Obese Children Aged 8 - 10 years Old
16.20 - 16.25	EP 2-09	Aras Utami	Compliance of Iron Supplementation, Prevalence And Determinant of Anemia In Pregnant Women	CM 2-04	Hery Djagat Purnomo	TNF- α -gene polymorphisme is likely to be a risk factor for NASH in Indonesia
16.25 - 16.30	EP 2-10	Nurlita Putri Apriliani	Minimizing Waste in Comprehensive Emergency Obstetric And Newborn Care (CEMONC) with Lean Hospital at Brebes and Semarang City, Central Java	CM 2-05	Dwi Ngestiningsih	Differences Of Erythrocyte Fragility And Hemoglobin Levels (Hb) In Light Smokers, Moderate - Heavy Smokers And Not Smokers
16.30 - 16.35	EP 2-11	Fatmawati H	Correlation Between Risk Factors Of Aneurysms With Rupture Of Intracranial Aneurysms	CM 2-06	I Putu Sudayasa	Relationship Waist Circumference, Thick of Skinfolds and Genes Polymorphism of Angiotensin-Converting Enzyme Insertion/Deletion with Hypertension in Coastal Community
16.35 - 16.40	EP 2-12	Fajaria Nurcandra	Duration of Spraying Effect to Neurological Disorder Among Farmers in Purworejo, Indonesia	CM 2-07	Sulistiyati Bayu Utami	The Correlation between Serum Lactate Levels to the Lenght of Stay in Intensive Care Unit in Patients with Rheumatic

						Valvular Heart Surgery
16.40 - 16.45	EP 2- 13	Tri Purwidi Hastuti, Lintang Dian Saraswati, Praba Ginandjar	The Adherence Of Taking Medicines With Conversion Of Acid Fast Bacillus Of Pulmonary Tuberculosis Patients With Positive Acid Fast Bacil (Retrospective Cohort Study In The Center For Pulmonary Health Semarang)	CM 2-08	Sulistiyati Bayu Utami	The Correlation between Serum Lactate Levels to the Lenght of Stay in Intensive Care Unit in Patients with Coronary Artery Bypass Grafting Surgery
16.45 - 16.50	EP 2- 14	Muflihatul Muniroh	Profile of Heavy Metals as Environmental Toxicants in Volcanic Area Dieng, Central Java, Indonesia	CM 2-09	Dwi Khoirriyani	The Difference in Cognitive Functions between Patients with Acute Coronary Syndrome with and without ST Segment Elevation
16.50 - 16.55	EP 2- 15	Tri Nur Kristina	The Efficacy of Education with the WHO Dengue Algorithm on Correct Diagnosing and Triaging of Dengue-Suspected Patients; Study In Public Health Centre	CM 2-10	Dwi Khoirriyani	The Differences in Cognitive Functions between Patients with Severe and Non-Serve Mitral Regurgitation
16.55 - 17.00	HN 2- 25	Laelia Dwi Anggraini	The Difference Between Pre-Induction Methods Between Boys & Women 4-8 Years Toward Anxiety Level (Research on Dental Hospital UMY and their networks)	CM 2-11	Julian Dewantiningrum	Level of hsCRP maternal serum during puerperium of severe preeclampsia
17.00- 17.05				CM 2-12	Indranila KS	The Correllation between Blood Glucose (BG) , Hypertension (HT) , Proteinuria, Blood Sedimentation Rate (BSR) and Differential Blood Count(DBC) in Protanis patients(DM type 2 and Hypertension) through molecular action

DAY 2 (October 28 th 2017)						
Topic : Drug Discovery (DD), Infectious Disease (ID), Holistic Nursing (HN), Nutritional (NT)						
SESSION 3						
Evaluator:	Dr. Anggorowati, S.Kp.,M.Kep.Sp.Mat, Dr. Khairul Anam, S.Si, M.Si			dr. Bahrudin, M.Si.Med., Ph.D, dr. Helmia Farida M.Sc, Ph.D, Sp.A		
PIC	Dr. Anggorowati, S.Kp.,M.Kep.Sp.Mat			drg. Nadia Hardini, Sp.KG		
Time	Group I			Group II		
10.45 - 10.50	HN 2-01	Fitria Handayani	Psychosocial Associated Factors and Predictor of Post Stroke Depression of Stroke Ischemic after 3 to 6 Month Onset	DD 2-01	Erien Afrinia Asri	The Benefits Of 1% Soy Isoflavones Cream As An Anti Acne Vulgaris
10.50 - 10.55	HN 2-02	Desy Indra Yani	Developing a Community-Based Health Education Program for Tuberculosis Care and Prevention	DD 2-02	Budi Yuwono drg	Effectiveness Aromatherapy of Essential Oil Cabe Jawa (Piper retrofractrum, Vahl) To Blood Pressure, Pulse, and Respirations of Patient Before Teeth Extraction
10.55 - 11.00	HN 2-03	Reza Indra Wiguna	Build a Academic Achievement Of Nursing Student By Reduce Anxiety Through Spiritual Mindfulness, A Systematic Review	DD 2-03	Widyaratni Pramestisiwi	The Effect Of Nigella Sativa Extract On Interleukin 12 Level Of Multibacillary Leprosy Received Who-Mdt Therapy
11.00 - 11.05	HN 2-04	Yanuar Akhmad	Effectiveness of Mindfulness on Decreasing Stress in Health Professional Students: A Systematic Review	DD 2-04	Amanah Amanah, Ika Komala, Maria D Kurniasari	Effect Of Mangosteen (Garcinia Mangostana) Peel Extract Towards Cd4+, Cd8+ T Lymphocytes, Cd38 Expression, Nk Cells, Il-2 And Ifny In Hiv Patients With Antiretroviral Therapy

11.05 - 11.10	HN 2- 05	Eltanina Ulfameytalia Dewi	Using Psychoeducation for Family with Schizophrenia Patients in Community Level: A Review	DD 2-05	Gede Arya Bagus A	Antiretroviral side effect on adherence in plwtha at dr. Kariadi general refferal hospital semarang central java
11.10 - 11.15	HN 2- 06	Khoiroh Umah	Physical Independence Deskripsiption On Patients Of Tuberkulosis In Puskesmas Deket District Lamongan Regency	DD 2-06	Imelda	Effect of tempuyung leaf ethanol extract on kidney morphometric parameters in gentamicin treated rats
11.15 - 11.20	HN 2- 07	Meidiana Dwidiyanti	Level Of Self Care And Its Correlation With Self Confidence And Social Activity Of Tuberculosis Patient	DD 2-07	Puruhito B	Utilization Aloe Vera And Virgin Coconut Oil (Vco) Extract For Broken Heel
11.20 - 11.25	HN 2- 08	Tri Sakti Widyaningsih, Ayu Eka Y Maesari	Correlation Basic Task Of The Mother Based On The Status Of Work With The Level Of Independence Of Toddler In Tlogotunggal Village Sumber Sub District Regency Of Rembang	DD 2-08	Syafira Noor Pratiwi	Effect Of Papaya Leaves Jelly On Reducing Blood Pressure In Prediabetic Women
11.25 - 11.30	HN 2- 09	Heru Ginanjar Triyono	A Systematic Review on Factors Influencing the Burden of Family Caregivers in Caring for Elderly with Dementia	DD 2-09	Fifin Luthfia Rahmi	Expression Of Caspase 3 And Caspase 7 In Trabecular Meshwork Of Glaucoma Model Wistar Rat
11.30 - 11.35	HN 2- 10	Prita Adisty Handayani	Mindfulness as Balancing For Workers in a Working Health Perspective: A Systematic Review	DD 2-10	Amallia N. Setyawati	The Effect of Zinc Supplementation on Serum Albumin in Elderly Population
11.35 - 11.40	HN 2- 11	Meidiana Dwidiyanti	Mechanism of Change in Self Care in Adult with Chronic Illness Receiving Self Management Program: Systematic Review	ID 2- 01	Edward KSL	The Difference Of D-Dimer Value Between Chronic Hepatitis And Cirrhotic Hepatic

11.40 - 11.45	HN 2-12	Ardi Pramono	The Satisfaction Level of Post-Surgery Patients Between Regional And General Anaesthesia at PKU Muhammadiyah Gamping Hospital Yogyakarta	ID 2-02	Mohammad Ghozali	CD14/CD69 Monocyte as a Chronic Inflammation Marker in Iron Overload Pediatric Major β -thalassemia
11.45 - 11.50	HN 2-13	Margiyati	The Effects of Hypnotherapy using Induction Hanung Technique on the Level of Cigarette Dependence and Carbon Monoxide in Exhaled Breath among Active Smokers	ID 2-03	I Dewa Ayu Ratna Dewant	Robusta Coffee Beans Increased Level Of IL-1 β (Interleucine-1 β) Monocytes Against To <i>Streptococcus mutans</i> In Vitro
11.50 - 11.55	HN 2-14	Retno Lusmiati Anisah	Peer Educators' Competences for Inmates with HIV/AIDS: A Systematic Review	ID 2-04	Erna Tsalatsatul Fitriyah	Role of Infection and Prevention Control Nurse (IPCN) In Preparing for Emerging Infectious Disease
SESSION 4						
15.00 - 15.05	HN 2-15	Susana Nurtanti	Case study: subjects characteristics, causa factors, methods and community responses of suicide	ID 2-05	Sheila Lestari	Correlation between HPV Vaccination and Cervical Cancer Incidence in Southeast Asian Population
15.05 - 15.10	HN 2-16	Nita Yunianti Ratnasari	Holistic Nursing Practice In Complementary Therapy	ID 2-06	Geofanny Facicilia	The Identification of Antibiotics-Resistant Bacteria Isolated from Ciliwung River in Jakarta and Bogor
15.10 - 15.15	HN 2-17	Sri Handayani	Determinant Factors of Exclusive Breastfeeding : A Literature Review	ID 2-07	Febrianto P Putro	Analysis of the risk of shunt failure or infection related to cerebrospinal fluid cell count, protein level, and glucose levels in hydrocephalus patients
15.15 - 15.30	Coffee Break					

15.30 - 15.35	HN 2- 18	Sri Padma Sari	The Prevalence of Religious Coping and Religious Practices among Patients with Schizophrenia	ID 2- 08	Satrio Adi Wicaksono	The Effects of Melatonin to the Level of Lactate Acid in the Wistar Rats Model of Sepsis
15.35 - 15.40	HN 2- 19	Siti Munawaroh	Effect of Spiritual Mindfulness in the Peer Group to the Coping Ability in Dealing with Stress on Pregnant Woman Primipara; a Systematic Review	ID 2- 09	Rizqi Indah Riani	The Effects of Melatonin on Leukocyte and Platelet Count in the Wistar Rats Sepsis Model
15.40 - 15.45	HN 2- 20	Ikhda Izzatul Aqiilah	Gardening Therapy : A solution to reduce stress levels in elderly	ID 2- 10	Anugrah Riansari	Prevalence and Risk Factors Toxoplasmosis in Semarang
15.45 - 15.50	HN 2- 21	Arni Nur Rahmawati	Mindfulness, Stress, and Family Well-being in Work Parents: A Systematic Review	ID 2- 11	Sri Wahyuni, M.Mid	The Affects Of Spiritual Psychoeducation For Perinatal Stress And Depression Symptom On Primigravida
15.50 - 15.55	HN 2- 22	Ita Apriliyani	The Role Of Peer Group In Overcoming Depression In Adolescent	ID 2- 12	Winarto Reki	The effects of acute stress on primary immune response of hepatitis B vaccination. Study in Wistar albino rats
15.55 - 16.00	HN 2- 23	Nurullya Rachma	Effectiveness Self Help Groups on Anxiety, Stress and Depression Level in Elderly At Nursing Homes in Semarang	ID 2- 13	Yuniati R	IL-6 Level In Patient With Reversal Reaction Of Leprosy
16.00 - 16.05	HN 2- 24	Purnomo	Effectiveness Intervention To Reduce Stress In Adolescence With Self Help: Systematic Review	ID 2- 14	Yuniati R	Histamine Level In Patient With Reversal Reaction Of Leprosy
16.05 - 16.10	HN 2- 26	Claudia Fariday Dewi	Effects of Progressive Muscle Relaxation Intervention with Music and Aromatherapy on Decreasing Stress Level in School Teachers	ID 2- 15	Munita F.F	TNF- α Level In Leprosy Patients With Reversal Reactions

16.10 - 16.15	HN 2- 27	Deni Irawan	Early Warning Score as a triage system increases response times of patient management in Emergency Departments	ID 2- 16	Nur Farhanah	4G/5G Plasminogen Activator Inhibitor-1 Polymorphisms and Leptospirosis
16.15 - 16.20	HN 2- 28	Anna Jumatul Laely	Effect Of Mindfulness Intervention on the Intensity of Pain And Anxiety in Nasopharyngeal Cancer Patients	ID 1- 01	Hendra Wijaya	Isolation of Jack Bean (<i>Canavalia ensiformis</i> (L.) DC) Proteins to Create A Skin Prick Test Reagent For Jack Bean Allergy Diagnosis
16.20 - 16.25	NT 2- 01	I Nengah Tanu Komalya	Diet Setting To Decline Heavy Weight And Abdominal Circumference Of Obesity Clients On Slimming Program In Pacific Slimming, Beauty & Spa Malang City			
16.25 - 16.30	NT 2- 02	Yulvina	Effects of Pilates Exercise on Anthropometry of The Obese Adolescents			
16.30 - 16.35	NT 2- 03	I Putu Sudayasa	Correlation Between Eating Habits on Pregnant Women With Birth Weight of Baby in Coastal Area			
16.35 - 16.40	HN 2- 29	Arief Shofyan Baidhowy,	Qualitative Study of Nurse Clinical Reasoning With Heart Failure Patients			
16.40 - 16.45	HN 2- 30	Amalin D.B.	How quality of life of patients with fertility problem is related to their anxiety and depression?			

HN 2-018

The prevalence of religious coping and religious practices among patients with schizophrenia

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ABSTRACT

Introduction: Religious coping is an essential resource influencing how individuals cope with the illness including patients with schizophrenia. The purpose of this study was to describe the prevalence of religious coping and practices among patients with schizophrenia.

Method: This descriptive study conducted in one psychiatric hospital in Central Java Indonesia. A total of 116 patients with schizophrenia who were admitted in psychiatric hospital completed a survey consisting demographic questionnaire, religious practices and Brief Religious Coping (Brief R-COPE). The data were analyzed using descriptive statistic.

Results: The mean age of the patients was 33.29 (SD = 9.21), most were male (71.6%) and most were Muslim (95.7%). This study found that the mean score for positive religious coping was 10.02 (SD = 3.38) while the mean score for positive religious coping was 3.48 (SD = 2.52). It was found that 87.9% of patients with schizophrenia had positive religious coping. The majority of the patients reported that prayer (68.1) was the most religious practices to cope with their illness.

Conclusion: The results of the study suggest that religious coping and religious practices may serve as potentially effective method coping for patients with schizophrenia. Therefore, mental health professional especially nurses need to integrate spirituality into mental health care. Further study is needed to examine the relationship between religious coping and the symptoms of schizophrenia.

Keywords: *religious coping; religious practices; schizophrenia; spirituality*

The Prevalence of Religious Coping and Religious Practices among Patients with Schizophrenia

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Keywords: religious coping; religious practices; schizophrenia; spirituality

BACKGROUND

The most prevalence of these disorders which is estimated to suffered schizophrenia about 23 million people and 300 million people affected by depression and axienty (WHO, 2017). Based on the Indonesian Health Ministry (2013), the prevalence of mental illnesses such as schizophrenia is around 1% and emotional disorders such as depression and anxiety was approximately 6% of the total population.

Schizophrenia is a severe mental disorder characterized by thoughts that affect individual feelings and behaviors disturbances (WHO, 2017). The symptoms of schizophrenia are divided into positive symptoms and negative symptoms. Positive symptoms are obvious symptoms that can be seen by others such as delutions, hallucinations, disorganization of thoughts and speech and irregular behavior. Negative symptoms of loss of normal function and characteristic of a person such as affective flat (no expression on the face), have no will, discomfort and withdraw from the community (Videbeck, 2008).

Spirituality has been increasingly viewed as important components of mental health, especially for people with mental illness. Spirituality is also a predictor of quality of life among people with schizophrenia (Shah et al., 2011). Furthermore, the systematic review revealed that PMI who has religious involvement was correlated to better outcomes and higher well-being (Bonelli & Koenig, 2013).

Religious coping was one of coping which can be used for people with schizophrenia. The positive religious coping was associated with decreased anxiety and depression and also increased well-being (Rosmarin et al., 2013; Chandler, 2012). The previous study also showed that religious coping was correlated with quality of life (Nolan et al., 2012).

Religious coping has been identified as very important for people with schizophrenia in worldwide. However, little has been discussed about this issue in Indonesia. Therefore, this study aimed to explore the prevalence of religious coping and practices among patients with schizophrenia in Indonesia.

OBJECTIVE

This study aimed to explore the prevalence of religious coping and practices among patients with schizophrenia in Indonesia.

METHOD

This study was a descriptive design with a survey approach. The study was conducted in one of psychiatric hospital in Central Java, Indonesia, during April – July 2017. Participants were recruited through non-probability sampling with incidental sampling. The selection criteria for participants were being diagnosed with schizophrenia, aged 18-60 years, no experiencing verbal communication interference, can communicate well, and in stable condition. A total of 116 patients were enrolled in the study. Ethical consideration received approval from the Research Ethics Committee, Faculty of Medicine, Diponegoro University, Indonesia and the psyhiatric hospital were this study taken placed. Data were collected using a characteristic data questionnaire (demographic and clinical data) and The Brief RCOPE. The Brief RCOPE contains of

14-item measure of religious coping. This questionnaire measures the positive religious coping and negative religious coping. The category of the answer is 1 = Not at all; 2=Somewhat; 3 = Quite a bit; 4 = A great deal. The data were analysed by the descriptive statistic.

RESULT

Table 1 showed the socio-demographic and clinical characteristics of respondents. The final sample consisted of 116 respondents with the mean age was 33.29 years old (SD = 9.21). The majority of the respondents were male (71.6%), single (52.6%), not working (46.9%), Javanese ethnicity (97.4%), and muslim (95.7%). Based on the clinical characteristics the mean onset of the illness was 27.78 years old (SD = 8.70), duration of illness was 5.98 (SD = 6.32), the number of hospitalization was 3.02 (SD = 2.93) and the majority of the diagnosis was Schizophrenia undifferentiate (47.4%). Based on table 2, most of the respondents used positive religious coping (87.9%), with the mean 10.02 (SD = 3.83). Furthermore, prayer was reported as the highest percentage for religious coping strategy among the respondents (68.1%)

Table 1 Socio-demographic and clinical characteristics of respondents (N=116)

Variables	N (M)	% (SD)
Age (Mean, SD)	33.29	9.21
Gender		
Male	83	71.6
Female	33	28.4
Marriage status		
Single	61	52.6
Marriage	43	37.1
Divorce	11	9.5
Death	1	.9
Working status		
Working	50	43.1
Not working	66	46.9
Ethnicity		
Javanese	113	97.4
Non-Javanese	3	2.6
Religion		
Muslim	111	95.7
Non muslim	5	4.3
The onset of illness	27.78	
The duration of illness	5.98	8.70
Number of hospitalizations	3.02	6.32
Diagnosis		2.93
Schizophrenia paranoid (F 20.0)	46	39.7
Schizophrenia hebefrenic (F 20.1)	3	2.6
Schizophrenia catatonic (F 20.2)	12	10.3
Schizophrenia undifferentiate (F 20.3)	55	47.4

Table 2 Brief RCOPE

Religious coping	M (SD)	N	%
Positive	10.02 (3.83)	102	87.9
Negative	3.48 (2.52)	2	1.7
None		12	10.3

Table 3. Religious coping strategies used by respondent

Religious coping strategy	N	%
Prayer	79	68.1
Doa	75	64.65
Meditation (dzikr)	46	39.66

DISCUSSION

Positive religious coping methods reflect a secure relationship with a transcendent force, a sense of spiritual connectedness with others, and a benevolent world view while negative religious coping methods reflect underlying spiritual tensions and struggles within oneself, with others, and with the divine (Pergament, 2011). This study revealed that the majority of respondents used positive religious coping and similar with previous study from Nolan et al. (2012) which found that 91% of participants reported practicing private religious or spiritual activities, and 68% reported public participation in religious services or activities.

This study was also similar with Tepper et al. (2001) which found that 80% of the participants used some type of religious belief or activity to cope with their symptoms and daily difficulties; 60% devoted as much as half of their total coping time to religious forms of coping. Based on review from Hefti (2011) revealed that spiritual coping used in people with schizophrenia. Patients with schizophrenia used belief and religious involvement as a coping strategy to solve their difficulties in their life because of having the mental illness.

This study also supported another study which found that 99% from 100 patients with schizophrenia believed in God, around 60% of patients attended religious places either once a week or more, and 56% of patients indulged in private religious activity at least once a day. However, compared to healthy controls, patients more often used negative religious coping. Various aspects of religiosity (except for negative RCOPE score) correlated negatively with residual psychopathology and positively with functioning and QOL (Triveni, Grover, & Chakrabarti, 2017).

Positive religious coping which have been reported in this study had positive impacts for patients with mental illness. Based on previous studies, the positive religious coping was associated with decreased anxiety and depression and also increased well-being (Rosmarin et al., 2013; Chandler, 2012). Other study also showed that religious coping could enhance quality of life among people living with schizophrenia (Nolan et al., 2012).

In addition, based on review on religion, spirituality, and schizophrenia, religion and religious practices could influence on social integration, and reduce risk of behaviors such as suicide attempts and substance use among people with schizophrenia. Religion and spirituality also serve as an effective method of coping by providing positive spiritual coping to deal with the problems because of suffer from the schizophrenia. Furthermore, religion could enhance the treatment compliance and better outcome in patients with schizophrenia (Grover, Davuluri, & Chakrabarti, 2014). Wnuk & Marcinkowski (2014) also reported that religion associated with positive psychological outcomes, including enhance life' satisfaction and positive affect. A review study also found that religiosity was correlated with coping, treatment engagement and help-seeking behaviour in people with mental disorders.

CONCLUSION

The findings of this study revealed that the majority of respondents used positive religious coping and religious practices may serve as potentially effective method coping for patients with schizophrenia. These findings have important implications for mental health professional especially nurses need to integrate spirituality into mental health care. Further research is needed to examine the relationship between religious coping and the symptoms of schizophrenia.

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