



Faculty of Pharmacy
Universitas Andalas



Certificate of Appreciation

This certificate is awarded to

Nurul Mardiati, apt, M.Sc.

as

Oral Presenter

at the International Conference on Contemporary
Science and Clinical Pharmacy (ICCSCP) 2022
which held via virtual meeting on October 26th - 27th, 2022

Dean of Faculty of Pharmacy
Universitas Andalas

Prof. Dr. apt. Fatma Sri Wahyuni

Chairperson of ICCSCP 2022

apt. Najmiatul Fitria, Ph.D



International Conference on Contemporary Science and Clinical Pharmacy (ICCSCP) 2022

Padang, October 26th – 27th, 2022

MENGESAHKAN :

**SALINAN / FOTOCOPY SESUAI
DENGAN ASLINYA**

BANJARBARU : _____

**KERALA LPPM
UNIVERSITAS BORNEO LESTARI**

[Signature]
apt. Aratha Marya Putri, M.Farm

NIK. 010813048

CONFERENCE PROGRAMME AND ABSTRACT BOOK

Faculty of Pharmacy, Universitas Andalas,
Kampus UNAND, Limau Manis, Padang,
West Sumatera, Indonesia

iccscp.ffarmasi.unand.ac.id

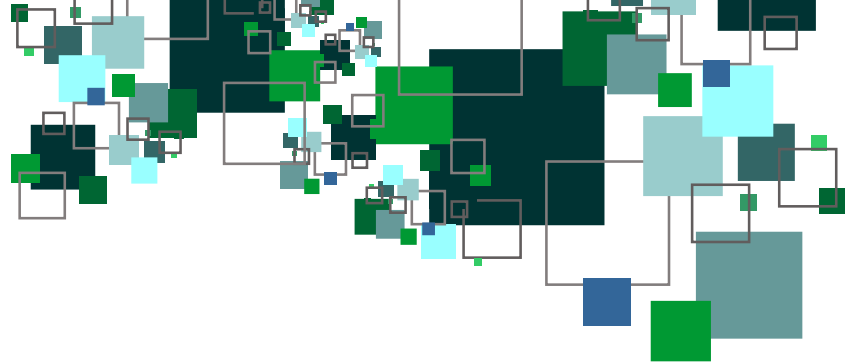
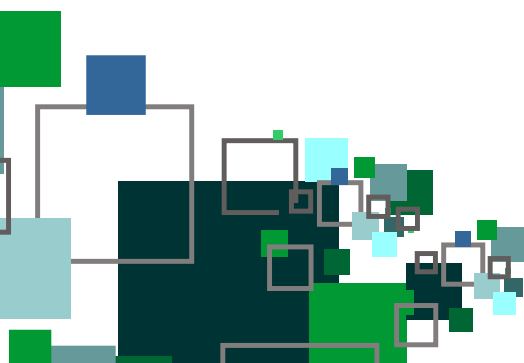


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Welcome Message from The Organizing Committee

Distinguished Ladies and Gentlemen,

On behalf of the Scientific and Organizing Committee, it is such a great pleasure for me to welcome all participants to the International Conference on Contemporary Science and Clinical Pharmacy 2022.

The conference is organized by the Faculty of Pharmacy Universitas Andalas. This event is as part of the faculty's 58 Anniversary celebration. This international conference consists of seminars with parallel oral on pharmacy and health topics. The main focus of this international conference is **“Drug Innovations and Therapy Management Development in Global Health”**.

Herewith we would like to express our gratitude to all keynote speakers and invited presenters for joint us today to share advanced knowledge and expertise in this scientific event. We would also thank the International Journal of Applied Pharmaceutics (IJAP), Jurnal Sains dan Farmasi Klinik (JSFK), Katalisator and Jurnal Medika Kesehatan for collaborating in this international seminar. Furthermore, we also thank Persatuan Saintis Farmasi Indonesia as an external reviewer.

The Organizing Committee gratefully acknowledges the Rector of Universitas Andalas for the nice collaboration in bringing forth this conference. Furthermore, I would like to express my deep appreciation to the members of the Organizing Committee, for the good teamwork and their great effort to bring the success of this conference.

Finally, I wish all participants could benefit from the Conference.

Thank you very much

apt. Najmiatul Fitria, M.Farm., Ph.D

Chairperson ICCSCP 2022



Welcome Message from the Dean of the Faculty of Pharmacy Universitas Andalas

In the name of Almighty Allah and His Messenger, who taught us the meaning of life, I would like to welcome all participants to the International Conference on Contemporary Science and Clinical Pharmacy (ICCSCP) 2022, organized by The Faculty of Pharmacy, Universitas Andalas. The ICCSCP was held first time in 2018 as an in-person event, followed by the 2021 ICCSCP as the virtual conference. This year will be the third ICCSCP which is also held virtually. The 2022 ICCSCP is dedicated to our faculty member who retired in 2021: Dr. apt. Muslim Suardi, M.Si.

The COVID-19 pandemic taught us valuable lessons. Collaboration between researchers, industries, and governments results in breakthroughs that bring us to the post-pandemic world. However, health challenges are still emerging. The role of pharmacy in science, education, and practice are essential. Research is needed to seek new treatments that are better, more personalized, and more efficient. Higher education institutions are responsible for producing the future pharmacy workforce to deliver pharmaceutical services to society. On the other hand, the government holds the key to improving the national health service, medication access, and medication use through policy and regulations.

Relevant to these situations, the conference will cover drug innovation and therapy management development in global health from the pharmacy and health science fields. The speakers at this conference are pharmacy, pharmaceutical science, and health science experts from Indonesia and overseas. ICCSCP 2022, on October 26-27, 2022, will feature the keynote speakers and invited speakers from the United Kingdom, Netherlands, Iran, South Africa, Thailand, Malaysia, and Indonesia. The speakers will share their experiences in the latest topics on Pharmacy Regulations, Natural Products, Pharmacology, Pharmaceutics, Pharmacoeconomics, Clinical Pharmacy, also in Pharmacy Education and Workforce.

Our honorable guest and participants, please allow me to give a brief introduction to our institution. The establishment of the Faculty of Pharmacy is inseparable from the long history and development of the Department of Pharmacy, Faculty of Mathematics and Natural Sciences in 1964. In 2008, the Department of Pharmacy was converted to the Faculty of Pharmacy. In 2002, the Master's Program of Pharmacy accepted new students. In 2019, the Doctoral Program of Pharmacy admitted new students for the first time. The Undergraduate Program, the Pharmacist Professional Program, and the Master Program at the Faculty of Pharmacy obtained excellent accreditation, while the Doctoral Program obtained very good accreditation nationally. Besides, the Undergraduate Program of Pharmacy was also certified by the ASEAN University Network-Quality Assurance (AUN-QA) in 2020. Aligned with our vision, we conducted research on drug development from natural materials, drug utilization, and drug safety in the community and clinical practice. We also build cooperation with universities in Indonesia and overseas, hospitals, government institutions, and pharmaceutical industries to improve education, research, and community service activities. On September 21 this year, we celebrated the 58th anniversary of the Faculty of Pharmacy Universitas Andalas. This conference is also held in commemoration of the faculty anniversary.

Finally, on behalf of the Faculty of Pharmacy Universitas Andalas, I highly appreciate the speakers and participants joining the ICCSCP 2022. I also thank the committee for their earnest effort in organizing the conference. Last but not least, I would like to extend our gratitude to the Rector of Universitas Andalas, who supports us in holding this event.

May God bless all of us.

Prof. apt. Fatma Sri Wahyuni, Ph.D.
Dean of Faculty of Pharmacy, Universitas Andalas



Welcome Message from Rector of Universitas Andalas

Assalamu'alaikum warahmatullahi wabarakatuh,

Dear honorable guests, welcome to Universitas Andalas, which has been delivering higher education in West Sumatra, Indonesia since 1955. It is a great honor for Universitas Andalas to host the two-day International Conference on Contemporary Science and Clinical Pharmacy (ICCSCP) held by the Faculty of Pharmacy from October 26th to 27th 2022.

The post pandemic world still faces health challenges. New infectious diseases, increasing need of new medications, also health professional shortage are among health issues in the world that significantly impact our daily lives. To tackle these issues, the role of science and health, including pharmacy, is very significant. Pharmaceutical researchers are involved in finding new treatments, vaccines development, and optimal medication used in healthcare facilities. Besides, the pharmaceutical regulatory institutions also play essential role in the safety, efficacy, and quality of medications.

Universitas Andalas is committed to becoming a leading and respected university in terms of education, research, community service, and collaboration. In line with this commitment, I support the ICCSCP 2022, an opportunity for knowledge sharing and research dissemination between Indonesian and international researchers. It is also a networking hub between scholars, health professionals, researchers, and government institutions. I hope that this event will lead to stronger future collaborations.

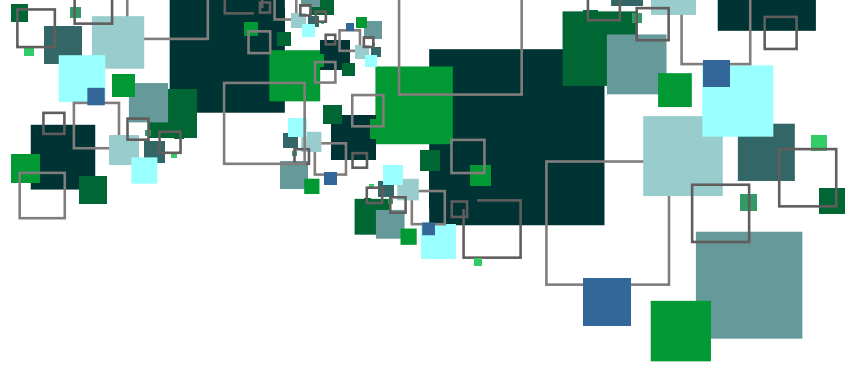
I would like to express my sincerest gratitude to the keynote speakers and invited speakers for attending this event to share the updates of drug innovations and therapy management development from a scientific and regulatory perspectives.

Finally, I would like to congratulate the Organizing Committee from the Faculty of Pharmacy, Universitas Andalas, for successfully arranging this international conference.

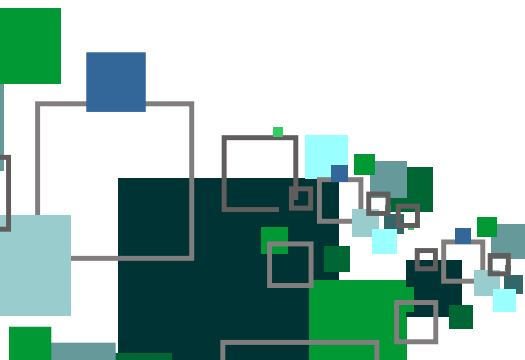
I wish everyone a fruitful conference.

Wassalamu'alaikum wa rahmatullahi wabarakatuh,

Prof. Dr. Yuliandri, S.H., M.H.
Rector of Universitas Andalas



Keynote Speakers





Dr. Dra. L. Rizka Andalucia,
Apt., M.Pharm., MARS



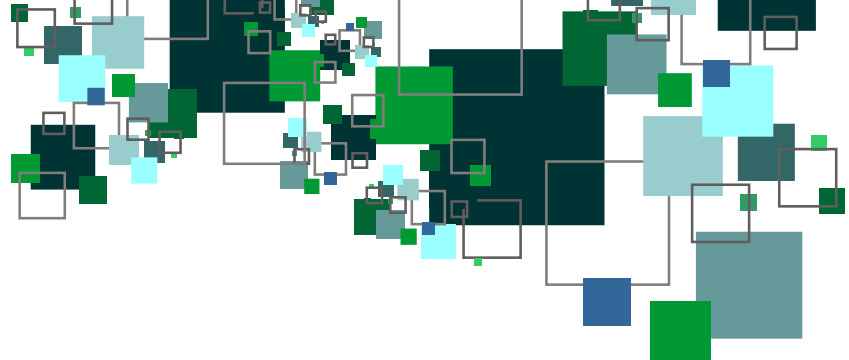
[General Director of
Pharmaceutical and Medical
Device, Ministry of Health of
Indonesia]

Education

- Doctoral degree in Biomedical Science Study Program, Faculty of Medicine Public Health and Nursing, UGM, Indonesia
- Master degree in Clinical Pharmacy, USM, Malaysia
- Master degree in Hospital Administration Program, UI, Indonesia
- Bachelor and Apoteker in Faculty of Pharmacy, Universitas Airlangga, Indonesia

Work Experiences

- 2021 – now: General Director of Pharmaceutical and Medical Device, Ministry of Health of Indonesia
- 2022 – now: Plt. Kepala Badan Kebijakan Pembangunan Kesehatan – Kementerian Kesehatan RI



Prof. Dr. rer. nat. apt.
Dian Handayani



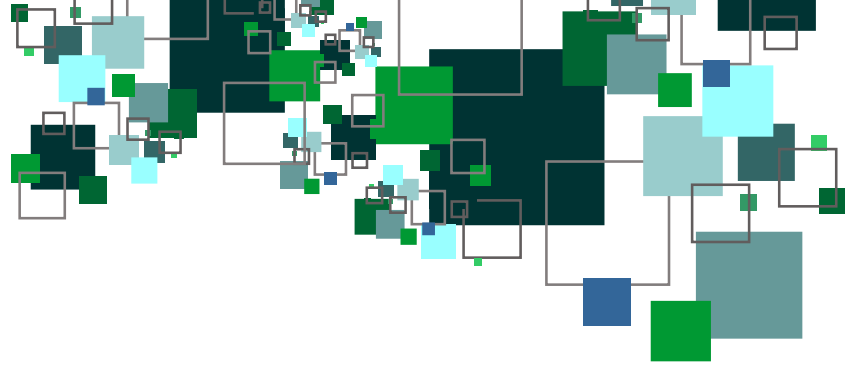
[Professor at Biology Pharmacy
Departement, Faculty of Pharmacy,
Universitas Andalas]

Education

- 1998: PhD in Biological Pharmacy, University of Wurzburg, Germany
- 1990: graduated at Pharmacy Departement, Universitas Andalas, Indonesia

Research Interest

Bioactive Secondary Metabolites, Marine Natural Products, Natural Product Isolation, Natural Product Chemistry, Natural Product Drug Discovery, Endophytes, Phytochemistry, Bioactivity, Antimicrobials



Prof. Ian Bates

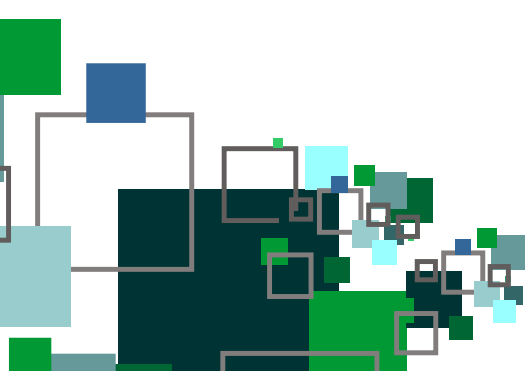


[Director of Workforce Development
Hub
for the International
Pharmaceutical Federation (FIP)]

Professor Ian Bates holds the Chair of Pharmacy Education at the UCL School of Pharmacy as Head of Educational Development and is a Director for the International Pharmaceutical Federation (FIP), leading an international team appointed by FIP working in partnership with WHO and UNESCO, with an outreach of over 4 million pharmacists and pharmaceutical scientists worldwide. Additionally, he is the Director of the FIP Global Pharmaceutical Observatory leading a team developing data-driven monitoring for global development and progression. Professor Bates is the Programme Director for the UCL post-registration professional programmes, providing foundation and advancement training and workplace education for practitioner development for NHS pharmacists.

He is Editor-in-Chief of Pharmacy Education, an international research journal hosted by FIP which has been publishing peer reviewed educational research continuously since 2000. He is a Fellow of the Royal Pharmaceutical Society, a Fellow of the Royal Statistical Society, a Fellow of the Royal Society for Public Health, and a Trustee for the European Pharmaceutical Students' Association. He was awarded Fellowship of the International Pharmaceutical Federation in 2012 in recognition of global leadership in education and workforce.

Under the auspices of the International Pharmaceutical Federation, he was instrumental in authoring and launching the global Workforce Development Goals which were subsequently presented at the World Health Assembly in 2017. He received a Lifetime Achievement Award from the UK Clinical Pharmacy Association in recognition of his global leadership in international education development and in 2017 received the Royal Pharmaceutical Society Charter Award, the highest award for achievement and leadership from the profession.





Dr. A.D.I. van Asselt



[Health Economist
University Medical Center
Groningen]

Thea van Asselt (PhD) is a Health Economist at the department of Epidemiology and the department of Health Sciences of the University Medical Center Groningen (UMCG), The Netherlands. She is experienced in trial-based and model-based economic evaluations, covering a wide range of clinical areas. She holds a master's degree in Economics (University of Groningen, 1996) and works in the field of health economics since 1998. She obtained her PhD degree from Maastricht University (2008) and moved back to Groningen in 2014. She has many years of experience in performing cost-effectiveness analyses in national and international projects.

Dr. van Asselt is the co-coordinator of the course 'economic evaluation in healthcare' in the MSc BA Health of the faculty of Economics and Business at the University of Groningen. She is also a member of the 'Rational Pharmacotherapy' committees of the Netherlands Organisation for Health Research and Development (ZonMw) and of the Scientific Advisory Board of the Dutch Healthcare Institute that advises the Dutch Ministry of Health on reimbursement of pharmaceutical care. She also acts as a health economic lead for an external assessment group (EAG) for the National Institute for Health and Care Excellence (NICE) in the United Kingdom.



Alan M. Jones PhD, B.Sc (Hons)
MRSC, FHEA



[Medical and Pharmaceutical
Chemistry University of
Birmingham, UK]

Alan (AMJ) hails from Fraserburgh in Northeast Scotland. In 2001 he studied Chemistry at the University of Aberdeen (Scotland), completed his undergraduate research project on directed ortho metalation in 2005 with Professor John Storey, and was awarded the Center Medal and Thompson Prize for Organic Chemistry. In 2004, he undertook a prize-winning placement with Cyclacel Pharmaceuticals, Dundee (Scotland), with Professor Shudong Wang as a Shell Technology Enterprise Programme (STEP) funded medicinal chemist on CDK inhibitors for oncology.

He gained a PhD in 2009 under the direction of Professor Nick Westwood at the University of St Andrews (Scotland) entitled “The Synthesis of Medium-Sized Ring Containing Libraries Using Oxidative Fragmentation and Rearrangement Strategies”. His doctoral research focused on developing the methodology for atropisomers medium ring synthesis and rearrangement cascades to bioactive scaffolds and the discovery of a novel spirocyclisation strategy.

He joined the University of Oxford (UK) in 2009 for CRUK funded post-doctoral studies collaborating with Professor Angela Russell and Professor Steve Davies. During this time, he participated in a variety of medchem research topics including leading an epigenetic research project directed towards the discovery and optimisation of novel and selective inhibitors of methyltransferases and developed a series of now patented Ser/Thr PIM1 kinase inhibitors from a hit to a lead candidate with collaboration with the Structural Genomics Consortium.

He supervises research scientists as post-docs, PhD and MSc (Res.) students, overseas visiting researchers, and several undergraduate project students. The central theme of the multi-disciplinary research in the group is the development of underpinning science that pushes the boundaries of the chemical sciences within drug discovery. Prominent topics of study include 1) electrosynthesis of drug metabolites, including the late-stage modification of small molecules and peptides; 2) novel synthetic routes to sulfated bioactive molecules and peptides; 3) drug discovery projects, including the small molecule allosteric inhibition of EAAT1 for T-ALL, design of novel EGFR/HER2 inhibitors and repurposing schizophrenia medications for oncology, AI in drug development, and a glycomimetic platform for HGF-cMET modulation for cardiovascular indications; and 4) polypharmacology as a determinant of adverse drug reactions and drug toxicity in real-world settings.



Prof. Halima Samsodien



[University of the Western Cape,
Afrika]

Halima Samsodien is an Assoc. Professor in the Pharmaceutics Discipline at the School of Pharmacy, University of the Western Cape. She is actively involved in the research of physicochemical aspects of active pharmaceutical ingredients (APIs) and excipients for the improved pre-formulation and formulation of medicines. She has a preference for the following disease areas especially in paediatric patients viz. HIV, TB and cancer. She uses techniques such as co-crystallization in supramolecular chemistry to target resistance, stability and other formulation issues. She also studies sensor technology to ensure stability of medicines and paediatric formulations to improve child health.

Samsodien has been actively involved as the principle supervisor of +/- 125 Honours, 11 Masters, 2 PhD and 2 Post-doc students. All of whom completed successfully with many in minimal time. She has been consistently successful in attracting funding for her post-graduate programme with funding from the NRF, SA-MRC and/or UWC to ensure that her research group within the Pharmaceutics discipline maintains its research momentum. She has published 14 peer-reviewed papers to-date culminating from her supervision with Honours, Masters PhD and Postdoc students.

She is currently the Dean of Research in the Faculty of Science. This is a challenging role in which she is fully committed to applying herself within the position by focusing on the people she has to communicate with to fulfil her role. She is a member of the University Research Task Team and a member of the Senate Scholarships and Fellowships Committee (SSFC) as well. Her role as Deputy Dean has engaged her in significant research discussions where she contributes in meaningful ways both by conversation and action.

Previously she was the chair of the School of Pharmacy Postgraduate Committee and the departmental representative at the Science Faculty Higher Degrees Committee for two terms. She was the Head of the Pharmaceutics Discipline for two years and a representative at the UWC Science Faculty Animal Research Ethics Committee (AREC) for two terms. These are all testament to her leadership skills. She is committed to empowering herself and those around her and her research is constantly growing and improving to assist the health needs of people both nationally and internationally.



Assoc. Prof. Surakit Nathisuwan



[Clinical Pharmacist, Mahidol,
Thailand]

Education

- 2001: Board Certified Pharmacotherapy Specialist, American Pharmacist Association
- 2001: Specialized Residency in Pharmacotherapy, University of Texas Health science Center, San Antonio, TX, USA
- 2000: Pharmacy Practice Residency, Florida Hospital, Oriando, FL, USA
- 1999: Doctor of Pharmacy, University of Florida, Gainesville, FL, USA
- 1994: Bachelor of Science in Pharmacy, Mahidol University, Bangkok, Thailand

Administrative Appointment

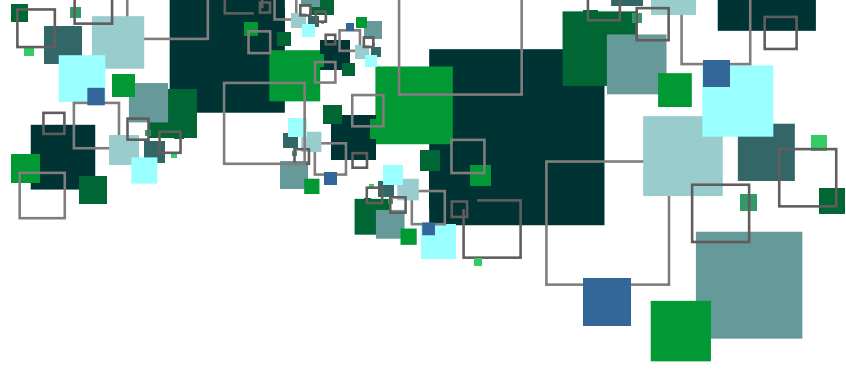
- 2020 – present: Dean of Faculty of Pharmacy, Mahidol University
- 2015 – 2020: Deputy Dean for Planning and Quality Development, Faculty of Pharmacy, Mahidol University

National Appointment

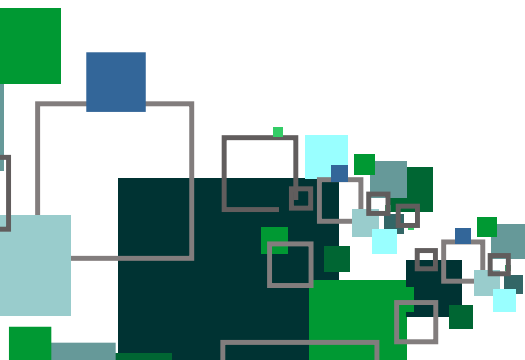
- 2022 – present: President of The Pharmacy Education Consortium of Thailand (PECT)
- 2021 – present: National Committee on Medicinal Products of Food and Drug Administration, Ministry of Public Health
- 2020 – present: Chairman, the Cardiovascular Pharmacotherapy Committee of College of Pharmacotherapy of Thailand, Pharmacy Council

International Appointment

- 2022 – present: Governor of Thailand of International Society of Cardiovascular Pharmacotherapy (ISCP), World Heart Federation
- 2021 – present: Section Editor of Thrombosis and Haemostasis Journal (ISSN 0340-6245, Impact Factor: 6.681)



Conference Schedule





CONFERENCE TIMETABLE

Day 1: Wednesday, October 26th, 2022

Time: Western Indonesia Time (WIB) is GMT +7

No.	Time (WIB)	Event	Venue	Person in Charge
1	07.00-08.00	Registration	Zoom Main Room	Comittee
2	08.00-09.00	Opening Ceremony	Zoom Main Room	
		<ul style="list-style-type: none"> • Opening • Prayer • Sing Indonesia Raya • Opening Speech: <ol style="list-style-type: none"> 1. Committee: apt. Najmiatul Fitria, M.Farm., Ph.D 2. Dean of Faculty of Pharmacy UNAND: Prof. Dr. apt. Fatma Sri Wahyuni 3. Rector of UNAND: Prof. Dr. Yuliandri, SH, MH 		MC: Armita Harahap Host: Resna Rerita Cut Ranggina Ardi
Session I (Plenary Lecture I)				
3	09.00-09.45	Plenary Lecture I Dr. Dra. apt. L. Rizka Andalucia, M.Farm, MARS Director General of Pharmaceutical and Medical Device Ministry of Health, Indonesia	Zoom Main Room	Moderator: Dr. apt. Yelly Oktavia Sari, M.Farm Host: Resna Rerita Cut Ranggina Ardi
4	09.45-10.30	Plenary Lecture II Prof, Dr. rer.nat. apt. Dian Handayani Faculty of Pharmacy Universitas Andalas	Zoom Main Room	Moderator: Dr. apt. Yelly Oktavia Sari, M.Farm Host: Resna Rerita Cut Ranggina Ardi

5	10.30-11.00	Q & A	Zoom Main Room	Moderator: Dr. apt. Yelly Oktavia Sari, M.Farm Host: Resna Rerita Cut Ranggina Ardi
Session II (Parallel Session I)				
6	11.00-11.15	Invited Speaker I Dr. Meri Susanti, M. Farm Faculty of Pharmacy Universitas Andalas	Zoom Room I	Moderator: Dr. apt. Dira Hefni, S.Farm, M.Sc Host: Syafira Herfina Intan Rahima
	11.00-11.15	Invited Speaker II Prof. Dr. apt. Erizal Zaini, M.Si Faculty of Pharmacy Universitas Andalas	Zoom Room II	Moderator: apt. Adhitya Jessica, M.Si Host: M. Afif Baihaqi Chyntia Dhiya Ulhaq
	11.00-11.15	Invited Speaker III Prof. apt. Armenia, MS, Ph.D Faculty of Pharmacy Universitas Andalas	Zoom Room III	Moderator: apt. Lailaturrahmi, M.Farm Host: Mila Maulina Widyyana Fauzhiah Haris
	11.00-11.15	Invited Speaker IV Prof. apt. Marlina, MS, Ph.D Faculty of Pharmacy Universitas Andalas	Zoom Room IV	Moderator: apt. Dini Hanifa, M.Farm Host: Gio Vanny Diva
7	11.20-12.00	Parallel Session Oral Presentation	Zoom Room I - IV	
8	12.00-13.00	Break		Comittee



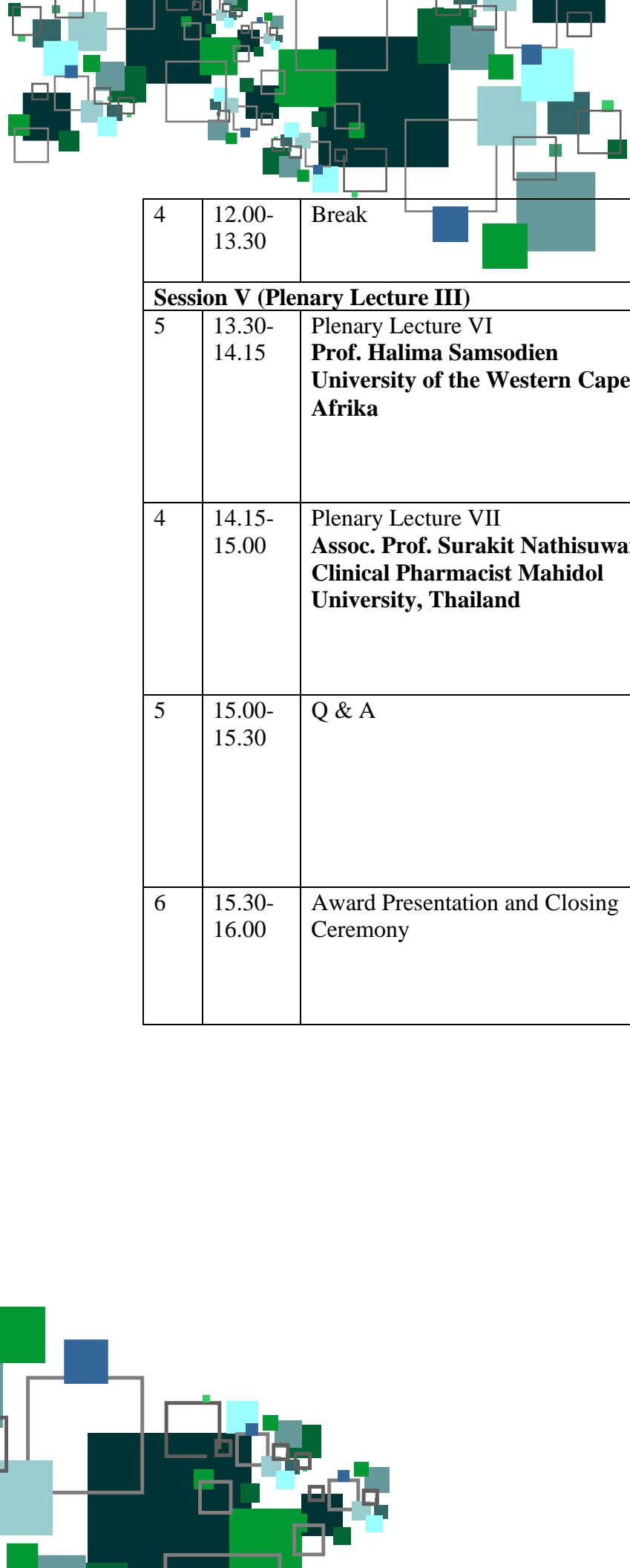
Session III (Plenary Lecture II)

7	13.30-14.15	Plenary Lecture III Prof. Ian Bates Director of Workforce Development Hub for the International Pharmaceutical Federation (FIP)	Zoom Main Room	Moderator: apt. Najmiatul Fitria, M.Farm., Ph.D Host: Resna Rerita Cut Ranggina Ardi
8	14.15-15.00	Plenary Lecture IV Dr. A.D.I. van Asselt Health Economist University Medical Center Groningen	Zoom Main Room	Moderator: apt. Najmiatul Fitria, M.Farm., Ph.D Host: Resna Rerita Cut Ranggina Ardi
9	15.00-15.45	Plenary Lecture V Alan M. Jones Ph.D, B.Sc (Hons) MRSC, FHEA Medical and Pharmaceutical Chemistry University of Birmingham, UK	Zoom Main Room	Moderator: apt. Najmiatul Fitria, M.Farm., Ph.D Host: Resna Rerita Cut Ranggina Ardi
10	15.45-16.00	Q & A	Zoom Main Room	Moderator: apt. Najmiatul Fitria, M.Farm., Ph.D Host: Resna Rerita Cut Ranggina Ardi

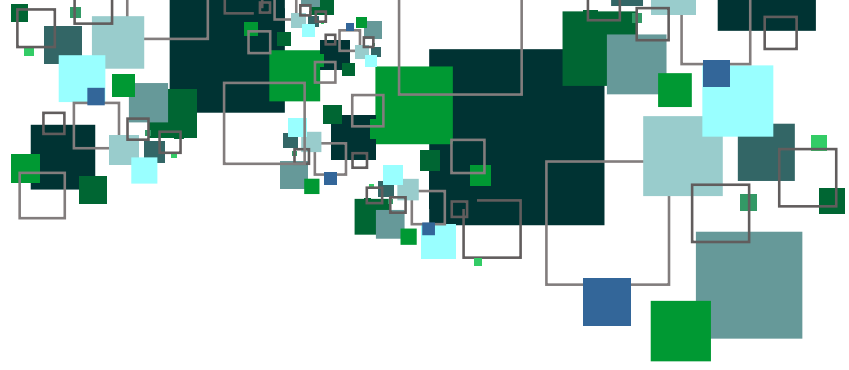
Day 2: Thursday, October 27th, 2022

Time: Western Indonesia Time (WIB) is GMT +7

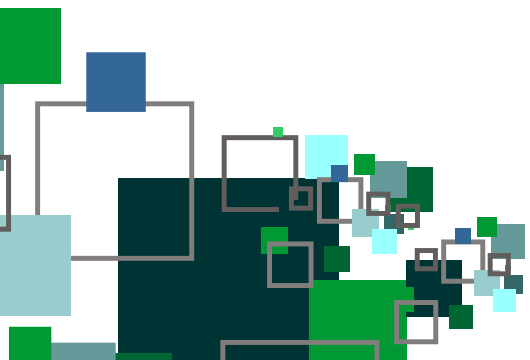
No.	Time (WIB)	Event	Venue	Person in Charge
1	07.30-08.00	Registration	Zoom Main Room	Comittee
Session IV (Parallel Session II)				
2	08.00-08.15	Invited Speaker V Dr. Kamalrullah International Islamic University Malaysia	Zoom Room I	Moderator: apt. Annisa Fauzana, M.Farm Host: Syafira Herfina Intan Rahima
	08.00-08.15	Invited Speaker VI Dr. apt. Muslim Suardi, M.Si Faculty of Pharmacy Universitas Abdurrah, Indonesia	Zoom Room II	Moderator: apt. Azhoma Gumala, M.Farm Host: M. Afif Baihaqi Chyntia Dhiya Ulhaq
	08.00-08.15	Invited Speaker VII Maryam Akaberi, Ph.D Department of Pharmacognosy, School of Pharmacy Mashhad University of Medical Sciences, Mashhad, Iran	Zoom Room III	Moderator: apt. Rahmad Abdillah, S.Farm., M.Si Host: Mila Maulina Widyyana Fauzhiah Haris
	08.00-08.15	Invited Speaker VIII Dr. Roza Dianita School of Pharmaceutical Sciences Universiti Sains Malaysia	Zoom Room IV	Moderator: Dr. apt. Nova Syafni, S.Farm, M.Farm Host: Gio Vanny Diva
3	08.20-12.00	Parallel Session Oral Presentation	Zoom Room I - IV	



4	12.00-13.30	Break		Committee
Session V (Plenary Lecture III)				
5	13.30-14.15	Plenary Lecture VI Prof. Halima Samsodien University of the Western Cape, Afrika	Zoom Main Room	Moderator: Prof, apt. Armenia, MS., Ph.D Host: Resna Rerita Cut Ranggina Ardi
4	14.15-15.00	Plenary Lecture VII Assoc. Prof. Surakit Nathisuwan Clinical Pharmacist Mahidol University, Thailand	Zoom Main Room	Moderator: Prof, apt. Armenia, MS., Ph.D Host: Resna Rerita Cut Ranggina Ardi
5	15.00-15.30	Q & A	Zoom Main Room	Moderator: Prof, apt. Armenia, MS., Ph.D Host: Resna Rerita Cut Ranggina Ardi
6	15.30-16.00	Award Presentation and Closing Ceremony	Zoom Main Room	Vice Dean 1 Host: Resna Rerita Cut Ranggina Ardi



Parallel Session Schedule





Wednesday, October 26th, 2022

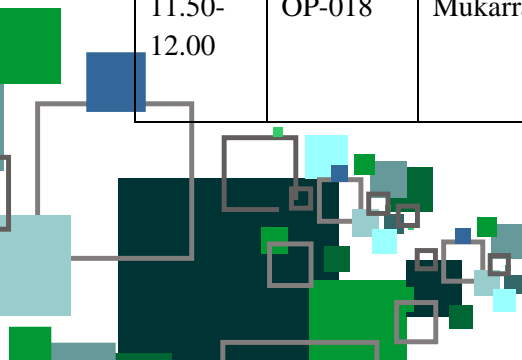
Zoom Room I

11.00-11.15	Invited Speaker I Pharmaceutical Biology		
	Dr. Meri Susanti, M. Farm (Faculty of Pharmacy, Universitas Andalas, Indonesia)		
	Moderator: Dr. apt. Dira Hefni, S.Farm, M.Sc		
11.20-11.30	OP-002	Nur Miftahurrohmah	<i>Lactobacillus sp</i> from <i>Tempe Gembus</i> : Characterization, Identification, and Evaluation of Their Antimicrobial Activity against <i>Escherichia coli</i> and <i>Salmonella typhi</i>
11.30-11.40	OP-004	Suhaera	Determination Of Total Flavonoid Levels Of Sea Vine (<i>Caulerpa racemose</i>) Extract Using Spectrophotometry UV-Vis Method
11.40-11.50	OP-005	Elni Fatimah	Anti-Inflammatory Effect of Garbage Enzyme From Fruit Peels Against Acute Inflammation In Mice
11.50-12.00	OP-084	Nova Syafni	Potential of <i>Etilingera elatior</i> (Jack) R.M. Smith as α -Glucosidase Inhibitors

Wednesday, October 26th, 2022

Zoom Room II

11.00-11.15	Invited Speaker II Pharmaceutical Technology		
	Prof. Dr. apt. Erizal Zaini, M.Si (Faculty of Pharmacy, Universitas Andalas, Indonesia)		
	Moderator: apt. Adhitya Jessica, M.Si		
11.20-11.30	OP-001	Uce Lestari	Antimosquito Activity and Physical Properties of Repellant Spray Extract Etanol Liquid of Male Palm Flower (<i>Elaeis guineensis</i> Jacq)
11.30-11.40	OP-008	Henny Lucida	Optimization of The Ethyl Acetate Fraction of Ginger Rhizome-Loaded Nanophytosomes in Gel Dosage Form
11.40-11.50	OP-013	Ardiyah Nurul Fitri Marzaman	Development of Chloramphenicol Whey Protein- Based Microparticles Incorporated into Thermoresponsive <i>In situ</i> Hydrogels for Improved Wound Healing Treatment
11.50-12.00	OP-018	Mukarram Mudjahid	Dissolving Microneedle-Mediated Dermal Delivery of Using Bacteria-Responsive Microparticles for Improved Treatment of Under-skin Tissue Infection (Cellulitis)





Wednesday, October 26th, 2022

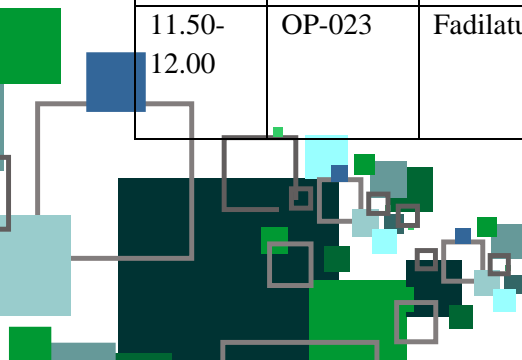
Zoom Room III

11.00-11.15	Invited Speaker III Pharmacology- Clinical Pharmacy: Prof. apt. Armenia, MS, Ph.D (Faculty of Pharmacy, Universitas Andalas, Indonesia) Moderator: apt. Lailaturrahmi, M.Farm		
11.20-11.30	OP-003	Najmiatul Fitria	Cost Effectiveness Analysis of Metformin-Glimepiride in Type 2 Diabetes Mellitus Patients on Reducing Fasting Blood Sugar Levels
11.30-11.40	OP-007	Eva Decroli	Description of Homeostasis Model Assessment of Insulin Resistance and Total Testosterone Level in Obese Male Prediabetic Patients
11.40-11.50	OP-009	Helmina Wati	Effect of Antipsychotic Combination on Side Effects of Extrapryamidal Syndrome in Schizophrenic Patients Inpatient at Sambang Lihum Hospital
11.50-12.00	OP-010	Afifah Machlaurin	Shortened Treatment for Drug-Resistant Tuberculosis - a Cost-Effectiveness Modeling for the Indonesian Setting

Wednesday, October 26th, 2022

Zoom Room IV

11.00-11.15	Invited Speaker IV Pharmaceutical Chemistry Prof. apt. Marlina, MS, Ph.D (Faculty of Pharmacy, Universitas Andalas, Indonesia) Moderator: apt. Dini Hanifa, M.Farm		
11.20-11.30	OP-006	Dandi Saputra Halidi	Andrographis Peniculata Secondary Metabolites as SARS-CoV-2 Inhibitors: An In-Silico Study
11.30-11.40	OP-012	Febrina Amelia Saputri	Validation of Bioanalytical Method for Determination of Warfarin Enantiomer in Plasma Using HPLC-Fluorescence
11.40-11.50	OP-017	Wirnawati	Analysis of Adulteration of Canine Meat in Beef Sausages Using FTIR Spectroscopy Combined with Chemometrics Employing the Soxhlet Method
11.50-12.00	OP-023	Fadilaturahmah	In Silico Study on Anti-inflammatory Effect of Bioactive Compounds of Velvet Bean (<i>Mucuna pruriens</i> L. (DC.)) Leaves Against NF-kB Activation Pathway



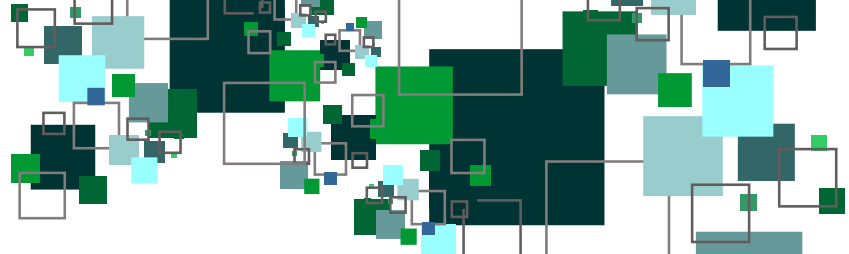


Thursday, October 27th, 2022

Zoom Room I

08.00-08.15	Invited Speaker V Pharmaceutical Biology		
	Dr. Kamalrullah (International Islamic University Malaysia)		
	Moderator: apt. Annisa Fauzana, M.Farm		
08.20-08.30	OP-014	Dyan Fitri Nugraha	Antidyslipidemic Activity of Ethyl Acetate Extract of Temu Mangga Rhizome (<i>Curcuma mangga</i> Valetton and Zijp)
08.30-08.40	OP-015	Hafifah Hardini	Acute Toxicity Test of Ethanol Extract of Pegagan Embun (<i>Hydrocotyle sibthorpioides</i> Lam.) in Male White Mice
08.40-08.50	OP-016	Zaenal Watoni	Screening of Secondary Metabolite Compounds of Traditional Medicinal Plants in Gorontalo using the In Silico method as a candidate for SARS-CoV-2 Antiviral
08.50-09.00	OP-019	Wanda Sabila Azukhruf	Sub-Acute Toxicity Study of Pegagan Embun (<i>Hydrocotyle sibthorpioides</i> Lam.) Extract on the Creatinine Clearance of White Male Rats
09.00-09.10	OP-024	Irene Puspa Dewi	Garcinia Cowa Ethanol Extract Inhibit Inflammation in LPS-induced RAW 264.7 Macrophages
09.10-09.20	OP-044	Ulvi Ditasari	Antihyperglychemic Effectiveness of Ethanol Extract <i>ulva</i> sp. and <i>sargassum</i> sp. in Sucrose-induced Micules
09.20-09.30	OP-047	Dwisari Dillasamola	The Effect Ethanol Extract of Sungkai (<i>Peronema Canescens</i> Jack.) on Fertility of Female White Mice (<i>Mus Musculus</i> L.)
09.30-09.40	OP-051	Dira Hefni	Activity of Red Ginger Extract (<i>Zingiber officinale</i> var. <i>Rubrum</i>) against Interleukin-6
09.40-09.50	OP-062	Fahrauk Faramayuda	Standardization of <i>Orthosiphon aristatus</i> , Blume Miq
09.50-10.00	OP-063	Noveri Rahmawati	Cytotoxic Activity of Fractions from <i>Uncaria cordata</i> (Lour.) Merr) Ethyl Acetate Extract on T47D Breast Cancer Cells
10.00-10.10	OP-064	Elsa Badriyya	Sub-Acute Toxicity Study of Pegagan Embun (<i>Hydrocotyle sibthorpioides</i> Lam.) Extract on the SGPT and SGOT Level of Wistar White Male Rats
10.10-10.20	OP-072	Alyssa Azzahra	The Effect of Essential Oil from the Peel of Lime (<i>Citrus aurantifolia</i>) on Bcl-2 Protein Expression on T47D Breast Cancer Cells Using the Western Blot Method
10.20-10.30	OP-076	Netty Suharti	Activity of Red Ginger Extract (<i>Zingiber officinale</i> var. <i>Rubrum</i>) Against Alpha Tumor Necrosis Factor Male White Mice





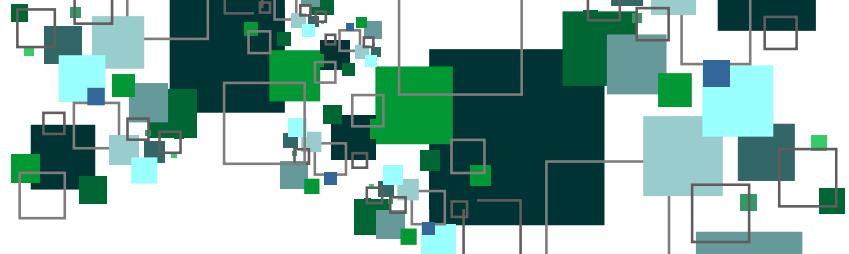
10.30-10.40	OP-080	Syamsurizal	Cyclocomunol as the Main Component of the Active Ingredient of Lotion Formula from Breadfruit Rind (<i>Artocarpus altilis</i>)
10.40-10.50	OP-086	Diah Tri Utami	Cytotoxicity Study of Different Extract of the Root of Red Areca (<i>Cyrtostachys renda</i> Blume.) on T47D Breast Cancer Cell Line

Thursday, October 27th, 2022

Zoom Room II

08.00-08.15	Invited Speaker VI Pharmaceutical Technology		
	Dr. apt. Muslim Suardi, M.Si (Faculty of Pharmacy, Universitas Abdurrab, Indonesia)		
	Moderator: apt. Azhoma Gumala, M.Farm		
08.20-08.30	OP-020	Helen Sonita	Multicomponent Crystal Preparation of Ketoprofen by Solvent Drop Grinding Technique with Glutamine
08.30-08.40	OP-021	Tri Puspita Roska	Formulation and Characterization of Chloramphenicol-Protein-based Microparticle into Hydrogel System to Increase The effectivity of Wound Infection Treatment
08.40-08.50	OP-022	Dina Permata Wijaya	Formulation of Gel Containing Jackfruit Leaves (<i>Artocarpus heterophyllus</i> Lam.) Extract Loaded Gelatin Microparticles and Antibacterial Activity Against <i>Propionibacterium acnes</i>
08.50-09.00	OP-028	Fathnur Sani K.	Activity Test of Cinnamon (<i>Cinnamomum burmannii</i>) Leaves Extract Gel Against Hydroxyproline Levels in Wound Healing
09.00-09.10	OP-031	Nana Novriana Payung Datu	Hydrogel Forming Microarray Patches-Mediated Transdermal Delivery of Telmisartan from Polyethylene Glycol Reservoir
09.10-09.20	OP-039	Muli Sukmawaty	Formulation and Characterization of Lipid Complex-Itraconazole In Vaginal Drug Delivery System For Effectiveness Candidiasis Therapy
09.20-09.30	OP-041	Tiara Feni Lestari	Effect of Variations of Explotab Concentration on Tablets Preparation with Wet Granulation Method Brown Algae Extract <i>Sargassum sp.</i>
09.30-09.40	OP-042	Wira Wahyudi Nandayasa	Optimization and Characterization of Quercetin Vitamin C Nano-Phytosome Formulation
09.40-09.50	OP-048	Annisa Agustina	Formulation and Characterization of Multicomponent Crystal Aceclofenac-Succinic Acid with Solvent Drop Grinding
09.50-10.00	OP-059	Uswatul Hasanah	Micronized Eutectic Mixture of Fenofibric Acid-Saccharin Formation for Solubility and Dissolution Enhancement
10.00-10.10	OP-066	Salman Umar	The Effect of Bromelain Microcapsul Formulation on Leukocyte and TNF- α Level in Male White Mice induced by H5N1 Vaccine



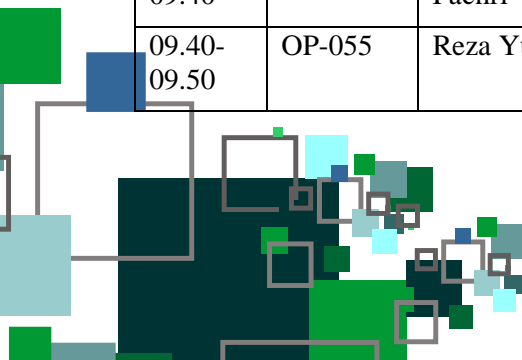


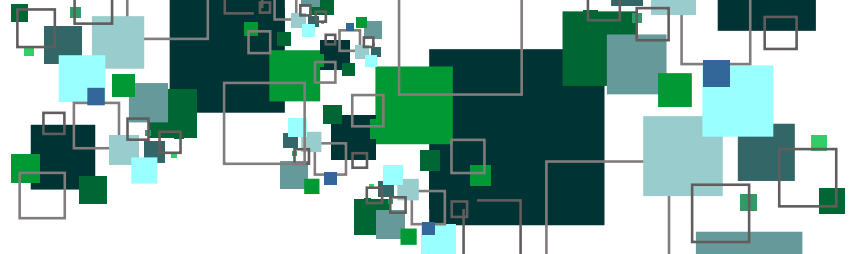
10.10-10.20	OP-079	Aqsha Mutia Qalbi	The Formation and Characterization of Collagen Liquid Crystals from Snakehead Fish Skin (<i>Channa striata</i>)
10.20-10.30	OP-083	Dwi Ramasepti Arta	Reducing Particel Size and Characterization of Collagen from Snakehead Fish (<i>Channa striata</i>) Skin by Ball Milling Method
10.30-10.40	OP-089	Husnun Azizah	Enhancement of Curcumin Solubility and Dissolution by Adsorption in Mesoporous SBA-15
10.40-10.50	OP-090	Humaira Fadina	Formation and Characterization of Multicomponent Crystal of Trimethoprim and Mandelic Acid with Solvent Drop Grinding Method

Thursday, October 27th, 2022

Zoom Room III

08.00-08.15	Invited Speaker VII Pharmacology- Clinical Pharmacy: Maryam Akaberi, Ph.D (Department of Pharmacognosy, School of Pharmacy, University of Medical Sciences, Mashhad, Iran) Moderator: apt. Rahmad Abdillah, S.Farm., M.Si		
08.20-08.30	OP-011	Stefanus Lukas	Serious Adverse Events Post Immunization of Complete Doses of AstraZeneca Covid-19 Vaccine Among Central Vaccine UTA45 Jakarta
08.30-08.40	OP-026	Lusi Indriani,	Effectiveness and Side Effects Assessment of Antihypertensive Drugs at Fatmawati Hospital
08.40-08.50	OP-029	Rahmi Yosmar	Correlation Between Antipsychotic Administration with Length of Stay and PANSS-EC Scores of Schizophrenic Patients at Prof. Dr. HB Saanin Hospital Padang
08.50-09.00	OP-036	Adila Kasni Astiena	The Causes of Long Waiting Time for Outpatient Pharmaceutical Prescription Services at A Hospital In Padang
09.00-09.10	OP-040	Bella Angelina	Knowledge of Cardiovascular Disease and Its Association Among General Population in Indonesia
09.10-09.20	OP-043	Erza Ridha Kartika	Analysis the Effect of Marketing Mix on Buying Behavior Factors for Acne Skincare in Yogyakarta
09.20-09.30	OP-049	Suci Wulansari	Potential Interactions Analysis of Antihypertensive Drugs Used in Geriatric Patients in North Padang
09.30-09.40	OP-054	Nurul Zuhanna Fachri	The Relationship of Diuretic Therapy and Clinical Outcome on Quality of Life of Patients with Congestive Heart Failure
09.40-09.50	OP-055	Reza Yuda Frawira	Pharmacokinetic Profile of Tetraprenyltoluquinone After Single-Dose Oral Administration in Male Mice



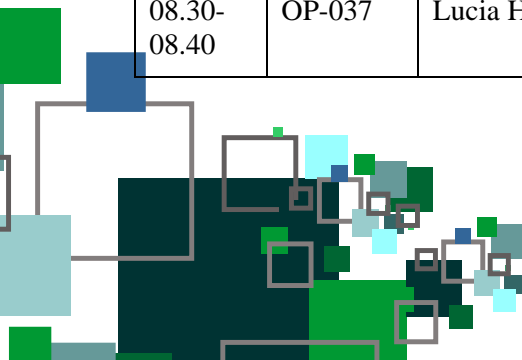


09.50-10.00	OP-056	Dika Pramita Destiani	Efficacy of Methotrexate in Reducing the Risk of Bone Erosion in Patients with Rheumatoid Arthritis: A Systematic Review of Randomized Controlled Trials
10.00-10.10	OP-057	Fitri Rachmaini	The Relationship Between Antihypertensive Pattern on Blood Pressure and Proteinuria in Severe Preeclampsia Patients at Central Hospital Dr. M. Djamil
10.10-10.20	OP-058	Fitri Rachmaini	Drugs Related Problems in Chronic Kidney Disease Patients at Central Hospital Dr. M. Djamil
10.20-10.30	OP-060	Yonanda Ainul Qalbi	The Relationship Between the Time of Use of Antiretroviral Therapy and the Amount of Viral Load in Acquired Immunodeficiency Syndrome
10.30-10.40	OP-077	Nurul Mardiaty	Parental Acceptance on COVID-19 Vaccination for Children Aged 6-11 Years in Indonesia: A Cross-Sectional Study Based on Health Belief
10.40-10.50	OP-087	Hesti Rachmawati Putri	The Relationship Between Medication Adherence and Asthma Control in Asthma Patients at A Public Health Center, Padang City
10.50-11.00	OP-088	Dita Permatasari	Application of Home Medication Review (HMR) On Patient Adherence in Type 2 Diabetes Mellitus (T2DM) Blood Sugar Management
11.00-11.10	OP-091	Maulidwina Bethasari	Assessment of Pharmacovigilance System in Indonesia According to WHO Pharmacovigilance Indicators: Challenges and possible solutions
11.10-11.20	OP-092	Nadia Husna	Study of Risk Factor on Preeclampsia Level and Medication Pattern on Clinical Outcome of Preeclampsia Patient

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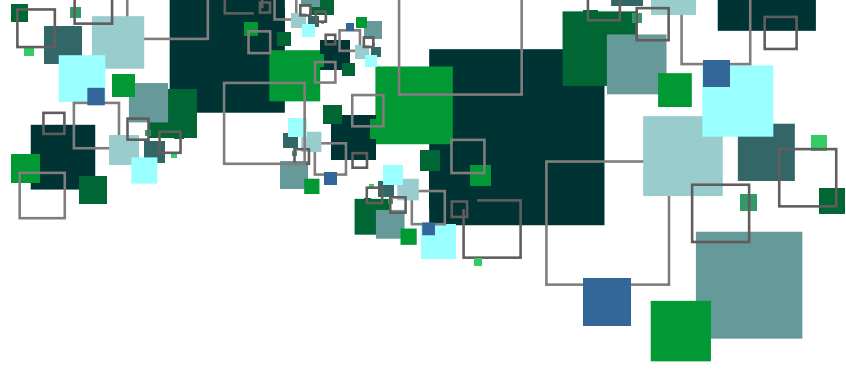
Zoom Room IV

08.00-08.15	Invited Speaker VIII Pharmaceutical Chemistry and Biology		
	Dr. Roza Dianita (School of Pharmaceutical Sciences Universiti Sains Malaysia)		
	Moderator: Dr. apt. Nova Syafni, S.Farm, M.Farm		
08.20-08.30	OP-032	Eka Siswanto Syamsul	HR-LCMS -Based Metabolite Profiling, and Anti-Colagenase Properties of Ethanolic Extract of Pidada Merah: Computational and Invitro Study
08.30-08.40	OP-037	Lucia Hendriati	The Effectivity of Emulgel of <i>Stichopus Variegatus</i> and <i>Allium Sativum</i> Extract to Diabetic Gangrene On White Rats

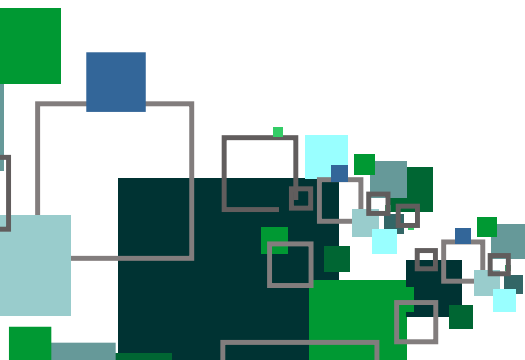




08.40-08.50	OP-038	Dwi Lestari	Authentication of <i>Rattus Norvegicus</i> Fat and Other Animal Fats Using Gas Chromatography-Mass Spectrometry (GC-MS) and Principal Component Analysis (PCA)
08.50-09.00	OP-046	Purnawan Pontana Putra	Interaction of Reference Substances from Andalas Sitawa Fitolab against <i>Klebsiella pneumoniae</i> by In Silico
09.00-09.10	OP-053	Dike Dandari Sukmana	Synthesis of Ibuprofen-Thiourea Derivatives bearing Methoxy Aniline for <i>in-vitro</i> Cytotoxicity against MCF-7 and Their Molecular Docking Prediction
09.10-09.20	OP-061	Dinda Fadhillah Belahusna	The Effectiveness of Water Lily Seed Extract (<i>Nymphaea pubescens</i> Willd) in Improving Neurocognitive Behavior in Mice Trimethyltin induced
09.20-09.30	OP-068	Nonda Riaknes Velina Tasa	The Effect of Cowanin Compounds on ERK/2 and P-ERK1/2 Protein Expression in T47d Breast Cancer Cells by The Western Blot Method
09.30-09.40	OP-069	Purnawan Pontana Putra	Evaluating the Effect of Deep Learning on DOCK6
09.40-09.50	OP-070	Elsadipa Afrima Putri	The Effect of Cowanin on the Expression of Cyclin D1 Protein in T47D Breast Cancer Cell Line Using the Western Blot Method
09.50-10.00	OP-071	Nur Azizah Nomiza	The Effect of Cowanin on Bcl-2 Protein Expression in T47D Breast Cancer Cell Using the Western Blot Methode
10.00-10.10	OP-073	Fitri meiriani	The Effect Of Treatment Of Lime (<i>Citrus Aurantifolia</i>) Essential Oil On The Type Of T47d Breast Cancer Cells With <i>Double Staining</i> Method
10.10-10.20	OP-074	Indri Aulia Rezti	The Effect of Cowanin Compound on Type of T47D Breast Cancer Cells Death Using Double Staining Method
10.20-10.30	OP-075	Annisa Tiara Solekha	Optimization and Validation of Simultaneous Rubrasanton and α -Mangostin Analysis Methods in Plasma Using High Performance Liquid Chromatography
10.30-10.40	OP-078	Muhammad Azhari Herli	Molecular Docking Study of Antibacterial Compounds Isolated from the Endophytic Fungus <i>Aspergillus tamaris</i> NFB1
10.40-10.50	OP-082	Sarah Puti Amalia	Effectiveness Analysis of Multiple Micronutrients (MMN) and Iron-Folic Acid (IFA) on the Number of Normal Deliveries
10.50-11.00	OP-085	Dini Hanifa	Formation of Silver Nanoparticles Mediated by Surian Leaf Extract and Its Application in Wound Healing



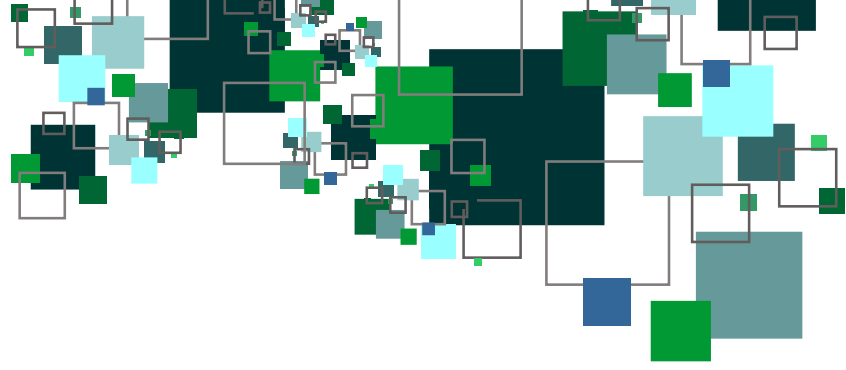
List of Abstracts



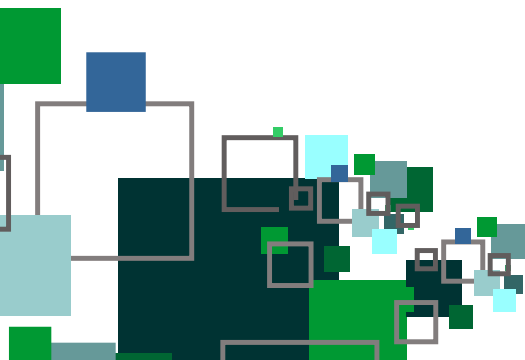
List of Participant's Abstracts

No.	Code	Participants's name	Title
1	OP-001	Uce Lestari	Antimosquito Activity and Physical Properties of Repellant Spray Extract Etanol Liquid of Male Palm Flower (<i>Elaeis guineensis</i> Jacq)
2	OP-002	Nur Miftahurrohmah	<i>Lactobacillus sp</i> from <i>Tempe Gembus</i> : Characterization, Identification, and Evaluation of Their Antimicrobial Activity against <i>Escherichia coli</i> and <i>Salmonella typhi</i>
3	OP-003	Najmiatul Fitria	Cost Effectiveness Analysis of Metformin-Glimepiride in Type 2 Diabetes Mellitus Patients on Reducing Fasting Blood Sugar Levels
4	OP-004	Suhaera	Determination Of Total Flavonoid Levels Of Sea Vine (<i>Caulerpa racemose</i>) Extract Using Spectrophotometry UV-Vis Method
5	OP-005	Elni Fatimah	Anti-Inflammatory Effect of Garbage Enzyme From Fruit Peels Against Acute Inflammation In Mice
6	OP-006	Dandi Saputra Halidi	<i>Andrographis Peniculata</i> Secondary Metabolites as SARS-CoV-2 Inhibitors: An In-Silico Study
7	OP-007	Eva Decroli	Description of Homeostasis Model Assessment of Insulin Resistance and Total Testosterone Level in Obese Male Prediabetic Patients
8	OP-008	Henny Lucida	Optimization of The Ethyl Acetate Fraction of Ginger Rhizome-Loaded Nanophytosomes in Gel Dosage Form
9	OP-009	Helmina Wati	Effect of Antipsychotic Combination on Side Effects of Extrapyramidal Syndrome in Schizophrenic Patients Inpatient at Sambang Lihum Hospital

60	OP-071	Nur Azizah Nomiza	The Effect of Cowanin on Bcl-2 Protein Expression in T47D Breast Cancer Cell Using the Western Blot Methode
61	OP-072	Alyssa Azzahra	The Effect of Essential Oil from the Peel of Lime (<i>Citrus aurantifolia</i>) on Bcl-2 Protein Expression on T47D Breast Cancer Cells Using the Western Blot Method
62	OP-073	Fitri Meiriani	The Effect Of Treatment Of Lime (<i>Citrus Aurantifolia</i>) Essential Oil On The Type Of T47d Breast Cancer Cells With <i>Double Staining</i> Method
63	OP-074	Indri Aulia Rehti	The Effect of Cowanin Compound on Type of T47D Breast Cancer Cells Death Using Double Staining Method
64	OP-075	Annisa Tiara Solekha	Optimization and Validation of Simultaneous Rubrasanton and α -Mangostin Analysis Methods in Plasma Using High Performance Liquid Chromatography
65	OP-076	Netty Suharti	Activity of Red Ginger Extract (<i>Zingiber officinale</i> var. <i>Rubrum</i>) Against Alpha Tumor Necrosis Factor Male White Mice
66	OP-077	Nurul Mardiaty	Parental Acceptance on COVID-19 Vaccination for Children Aged 6-11 Years in Indonesia: A Cross-Sectional Study Based on Health Belief
67	OP-078	Muhammad Azhari Herli	Molecular Docking Study of Antibacterial Compounds Isolated from the Endophytic Fungus <i>Aspergillus tamarii</i> NFB1
68	OP-079	Aqsha Mutia Qalbi	The Formation and Characterization of Collagen Liquid Crystals from Snakehead Fish Skin (<i>Channa striata</i>)
69	OP-080	Syamsurizal	Cyclocomunol as the Main Component of the Active Ingredient of Lotion Formula from Breadfruit Rind (<i>Artocarpus altilis</i>)



Abstracts





OP-077

Parental Acceptance on COVID-19 Vaccination for Children Aged 6-11 Years in Indonesia: A Cross-Sectional Study Based on Health Belief

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² Department of Hospital administration, Faculty of Health Sciences and Technology, Borneo Lestari University, South Kalimantan 70116, Indonesia

³ Polytechnic Health Ministry of Pangkalpinang, Bangka Belitung Islands 33684, Indonesia

⁴ Medical Laboratory Technology, Polytechnic Health Ministry of Maluku, Maluku 405029, Indonesia

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ABSTRACT

The novel coronavirus (COVID-19) has become a pandemic and a global health problem. Among the necessary measures to regulate the pandemic is the implementation of health protocols. However, other effective interventions are needed amid increasing community vulnerability, namely COVID-19 vaccination. Only 61% of children aged 6 to 11 years has been reached. This research aims to analyze the behavior of receiving COVID-19 vaccines in children based on a review of the Health Belief Model (HBM) behavioral theory. The data collection instrument used a questionnaire which has been through a validity and reliability test. A purposive sampling technique was used by 400 respondents. Data analysis was carried out descriptively with frequency, followed by associative, Chi-square, and logistic regression tests. The data showed that 87.3% received the COVID-19 vaccination. All constructs of HBM had a significant relationship with vaccination acceptance. The impulse to act construct contributed significantly to the vaccine acceptance variable. Five HBM theory constructs have an influence of 83.9% with the receipt of COVID-19 vaccination. In conclusion, the acceptance of COVID-19 child vaccination in most people is relatively high. These results can be used to develop an intervention strategy to increase vaccination acceptance.

Keywords: COVID-19 Vaccine, pediatrics, parental acceptance, survey, Indonesia, health belief model

Supporting Agencies: Source of research funding by research Ministry of Education, Culture, Research, and Technology of the Republic of Indonesia with number of contract DIPA-023.17.1.690523/2022 second revision

Indexing: Social and behaviour pharmacy