



IN COLLABORATION WITH



UNIVERSITY of  
SAN CARLOS  
SCIENTIA • VIRTUS • DEVOTIO



**ICMHS**

THE 4TH INTERNATIONAL CONFERENCE  
ON MEDICINE AND HEALTH SCIENCES

# PROGRAM BOOK

2022

# Committee

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# Plenary Speakers



**Dr. apt. Riesta Primaharinastiti**  
Universitas Airlangga, Indonesia  
*"Analytical development for honey product"*

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**Dr. Mohd. Azmani Sahar**  
Universiti Sains Islam Malaysia  
"Quality Cardiopulmonary-resuscitation for Training (Q-CaT) Device: Innovative solution for CPR training during pandemic"

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**Tina Tran, PharmD**  
Temple University USA  
"Improving Patient Health Outcomes in NonCommunicable Diseases through the Bridging Income Generation with groupP Integrated Care (BIGPIC) Program"

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**Ramesh Lahiru Walpola, Ph.D.**  
University of New South Wales Australia  
"Ensuring medicines safety in vulnerable populations"

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# Symposium Speakers

<b>Dr Nur Fariha Mohd Manzor</b> (Universiti Sains Islam Malaysia)	“Prophetic food as potential natural booster of stem cells: From literature to scientific evidence”
<b>Diana Chusna Mufida, MD., PhD</b> (Universitas Jember Indonesia)	“Farming without antibiotics”
<b>Dr. Kashieca R. Yap, MD</b> (University of San Carlos Philippines)	“Overcoming Challenges in Child Delivery in the Philippines”
<b>Pulong Wijang Pralampita, MD., PhD</b> (Universitas Jember Indonesia)	“Farmer health for better life”
<b>Dr. Ns. Dodi Wijaya</b> (Universitas Jember Indonesia)	“Nursing Professionalism in the Digitalization Era of Health Services in Indonesia”
<b>apt. Andi Hermansyah, PhD</b> (Universitas Airlangga Indonesia)	“Is telepharmacy a promising alternative for contemporary pharmacy practice?”
<b>Alemayehu B Mekonnen, PhD</b> (Deakin University Australia)	“Pharmacy in the 21 <sup>st</sup> century: the evolving role, challenges and prospects”
<b>Dr. apt. Yunita Nita</b> (Universitas Airlangga Indonesia)	“Medication nonadherence: the fault in our health care”
<b>Ahmed Ibrahim Fathelrahman Elhassan, PhD</b> (Taif University Saudi Arabia)	“Expanding pharmacists' roles via innovative services: learning lessons from some countries”

# Symposium Speakers

<b>Evhy Apryani, PhD</b> (Schepens Eye Research Institute Harvard Medical School USA)	"Laying the groundwork for AI implementation in the health care system"
<b>Dian Kusuma, ScD</b> (Imperial College London UK)	"Public health systems innovations: Global perspective"
<b>Dr. Natasya Abdullah</b> (Universiti Sains Islam Malaysia)	"The pandemic burnout: a threat for sustainable motivation and performance of tertiary institutions educators"
<b>Dr. drg. Suhartini</b> (Universitas Jember Indonesia)	"Chronic occlusal disharmony enhances the risk of temporomandibular joint osteoarthritis"
<b>Dr. Abu Khoiri</b> (Universitas Jember Indonesia)	"Digital mindset of health workers as a prerequisite for health digital transformation"
<b>apt. Hanni Prihhastuti Puspitasari, PhD</b> (Universitas Airlangga Indonesia)	"Teaching and learning pharmacy during pandemic"
<b>apt. Ari Satia Nugraha, PhD</b> (Universitas Jember Indonesia)	"Searching for anticancer agents from Indonesian composite organism: lichen"
<b>Dr. apt. Wenny Putri Nilamsari</b> (Universitas Airlangga Indonesia)	"Setting up warfarin clinic in Indonesian hospital"
<b>Mohamed Ezzat Amin, PhD</b> (Al Alamein International University, Egypt) and <b>and Nada Alaa Eddine, MSc</b> (Beirut Arab University, Lebanon)	"Pharmacist-led deprescribing service"

# Conference Schedule

TIME (GMT+7)	ACTIVITIES
<b>DAY 1 – WEDNESDAY, 27 JULY 2022</b>	
07.00 – 08.00	Registration – participants admitted Introducing Universitas Airlangga Greetings from partner universities
08.00 – 08.30	Opening Ceremony Welcome Speech: apt. Elida Zairina, PhD Opening remark: Prof. apt. Junaidi Khotib, PhD
<b>08.30 – 10.00</b> <b>PLENARY SESSION 1 – The world after Covid-19</b> <b>Moderator: apt. Elida Zairina, PhD (UNAIR)</b>	
08.30 – 09.05	Dr. apt. Riesta Primaharinastiti (Universitas Airlangga Indonesia) “Analytical development for honey product”
09.05 – 09.40	Dr Mohd Azmani Sahar (Universiti Sains Islam Malaysia) “Quality Cardiopulmonary-resuscitation for Training (Q-CaT) Device: Innovative solution for CPR training during pandemic”
09.40 – 10.00	Q & A
<b>10.00 – 11.15 (Parallel Session A)</b> <b>SYMPOSIUM 1A – Innovation in medical and nursing care</b> <b>Moderator: apt. Endah Puspitasari S.Farm., M.Sc. (UNEJ)</b>	
10.00 – 10.20	Dr Nur Fariha Mohd Manzor (Universiti Sains Islam Malaysia) “Prophetic food as potential natural booster of stem cells: From literature to scientific evidence”
10.20 – 10.40	Diana Chusna Mufida, MD., PhD (Universitas Jember Indonesia) “Farming without antibiotics”
10.40 – 11.00	Dr. Kashieca R. Yap, MD (University of San Carlos, Philippines) “Overcoming Challenges in Child Delivery in the Philippines”
11.00 – 11.15	Q & A
<b>10.00 – 11.15 (Parallel Session B)</b> <b>SYMPOSIUM 1B – Innovation in medical, pharmaceutical and nursing care</b> <b>Moderator: Dr. apt. Dian Agung Pangaribowo (UNEJ)</b>	
10.00 – 10.20	Pulong Wijang Pralampita, MD., PhD (Universitas Jember Indonesia) “Farmer health for better life”
10.20 – 10.40	Dr. Ns. Dodi Wijaya (Universitas Jember Indonesia) “Nursing Professionalism in the Digitalization Era of Health Services in Indonesia”
10.40 – 11.00	apt. Andi Hermansyah, PhD (Universitas Airlangga Indonesia) “Is telepharmacy a promising alternative for contemporary pharmacy practice?”
11.00 – 11.15	Q & A
E-POSTER VIEWING (Available in website)	

# Conference Schedule

<b>11.15 – 12.30 – BREAK</b>		E-POSTER VIEWING (Available in website)
<b>12.30 – 13.45</b> <b>SYMPOSIUM 2 – Innovation in pharmacy and pharmaceutical care</b> <b>Moderator: Dr. Gerard Lee See (USC)</b>		
<b>12.30 – 12.50</b>	Alemayehu B Mekonnen, PhD (Deakin University Australia) “Pharmacy in the 21 <sup>st</sup> century: the evolving role, challenges and prospects”	
<b>12.50 – 13.10</b>	Dr. apt. Yunita Nita (Universitas Airlangga Indonesia) “Medication nonadherence: the fault in our health care”	
<b>13.10 – 13.30</b>	Ahmed Ibrahim Fathelrahman Elhassan, PhD (Taif University Saudi Arabia) “Expanding pharmacists' roles via innovative services: learning lessons from some countries”	
<b>13.30 – 13.45</b>	Q & A	
<b>14.00 – 16.00</b> <b>PARALELL ORAL SESSION – Addressing challenges in the health care system and delivery</b> <b>Room 1 – Room 6</b> <b>Moderator Group 1: Dr. apt. I Nyoman Wijaya (UNAIR)</b> <b>Moderator Group 2: dr. Laksmi Indreswari, SpB (UNEJ)</b> <b>Moderator Group 3: apt. Bambang Subakti Zulkarnain, MCLinPharm (UNAIR)</b> <b>Moderator Group 4: Dr. drg. Masniari Novita MKes., SpOF (UNEJ)</b> <b>Moderator Group 5: dr. Dwita Aryadina Rachmawati, M.Kes (UNEJ)</b> <b>Moderator Group 6: Dr Anu Suria Ganason (USIM)</b> <b>Moderator Group 7: apt. Gesnita Nugraheni, MS (UNAIR)</b>		
<b>14.00 – 14.15</b>	Oral 1	
<b>14.15 – 14.30</b>	Oral 2	
<b>14.30 – 14.45</b>	Oral 3	
<b>14.45 – 15.00</b>	Oral 4	
<b>15.00 – 15.15</b>	Oral 5	
<b>15.15 – 15.30</b>	Oral 6	
<b>15.30 – 15.45</b>	Oral 7	
<b>15.45 – 16.00</b>	Oral 8	



# Conference Schedule

2  
DAY

DAY 2 – THURSDAY 28 JULY 2022	
07.00 – 08.00	Participants admitted
08.00 – 09.25 <b>PLENARY SESSION 2 – Innovation in health care, medicine and pharmaceutical care</b> Moderator: Dr Nadeeya 'Ayn Umaisara Mohamad Nor (USIM)	
08.00 – 08.35	Tina Tran, PharmD (Temple University USA) "Improving Patient Health Outcomes in Non-Communicable Diseases through the Bridging Income Generation with grouP Integrated Care (BIGPIC) Program"
08.35 – 09.10	Ramesh Walpola, PhD (University of New South Wales Australia) "Ensuring medicines safety in vulnerable populations"
09.10 – 09.30	Q & A
09.30 – 10.45 (Parallel Session A) <b>SYMPOSIUM 3A – Innovation in dentistry and public health care</b> Moderator: apt. Zamrotul Izzah, MSc (UNAIR)	
09.30 – 09.50	Evhy Apryani, PhD (Schepens Eye Research Institute Harvard Medical School USA) "Laying the groundwork for AI implementation in the health care system"
09.50 – 10.10	Dian Kusuma, ScD (Imperial College London UK) "Public health systems innovations: Global perspective"
10.10 – 10.30	Dr. Natasya Abdullah (Universiti Sains Islam Malaysia) "The pandemic burnout: a threat for sustainable motivation and performance of tertiary institutions educators"
10.30 – 10.45	Q & A
09.30 – 10.45 (Parallel Session A) <b>SYMPOSIUM 3B – Innovation in dentistry, pharmaceutical and public health care</b> Moderator: drg. Elyda Akhya Afida Misrohmasari, MPH (UNEJ)	
09.30 – 09.50	Dr. drg. Suhartini (Universitas Jember Indonesia) "Chronic occlusal disharmony enhances the risk of temporomandibular joint osteoarthritis"
09.50 – 10.10	Dr. Abu Khoiri (Universitas Jember Indonesia) "Digital mindset of health workers as a prerequisite for health digital transformation"
10.10 – 10.30	apt. Hanni Prihastuti Puspitasari, PhD (Universitas Airlangga Indonesia) "Teaching and learning pharmacy during pandemic"
10.30 – 10.45	Q & A
E-POSTER VIEWING (Available in website)	

# Conference Schedule

2  
DAY

12.15 – 13.30 –BREAK	
13.30 – 15.15	
PARALELL ORAL SESSION – Implementation science in the health care Room 1 – Room 6	
Moderator 1: Dr. apt. Budipratiwi Wisudyaningsih, MSc (UNEJ)	
Moderator 2: Dr. drg. Atik Kurniawati, MKes (UNEJ)	
Moderator 3: apt. Arina Derry Puspitasari (UNAIR)	
Moderator 4: Florencio V. Arce, Jr., PhD (USC)	
Moderator 5: Dr Khadijah Hasanah Abang Abdullah (USIM)	
Moderator 6: apt. Gusti Noorizka, MSc (UNAIR)	
13.30 – 13.45	Oral 1
13.45 – 14.00	Oral 2
14.00 – 14.15	Oral 3
14.15 – 14.30	Oral 4
14.30 – 14.45	Oral 5
14.45 – 15.00	Oral 6
15.00 – 15.15	Oral 7

## ICMHS 2022 Oral Presentation Schedule

**Day 1 – Wednesday, 27 July 2022, (14.00 - 16.00, GMT+7)**

**Breakout Room 1 : Pharmacy and Pharmaceutical sciences (PP)**

**Moderator Group 1 : Dr. apt. I Nyoman Wijaya**

No	Presenter Name	Code	Abstract title
1	Alya Ghina Aqila Arham	OPP01	Fabrication and Characterization of Silver Nanoparticle Incorporated Keratin-Thiolated Pectin Hydrogels for Wound Healing Application Through Ionic Gelation
2	Dina Yuspita Sari	OPP02	Syrup Formulation from Ethanol Extract of Lime Peel ( <i>Citrus amblycarpa</i> (Hassk.) Ochse) and Antidiarrheal Activities of The Extracts and Their Syrup
3	Jihan Nurrosyidah	OPP03	Analysis of Alpha Arbutin and Niacinamide Levels in Three Trademarks of Whitening Cream Using High-Performance Liquid Chromatography
4	Ninda Ariyanti	OPP04	Analysis of Niacinamide And Kojic Acid Levels in Three Trademarks of Body Lotion Using High-Performance Liquid Chromatography
5	Yessy Dwi Anggraini	OPP05	Analysis of Hydroquinone and Kojic Acid Levels in Three Body Lotion Trademarks Using High-Performance Liquid Chromatography
6	Aina Amanina Abdul Jalil	OPP06	Knowledge, Attitude and Prevalence (KAP) of Ivermectin Use in Treatment of Covid-19: A Cross-Sectional Study Among Malaysia's Population
7	Syarifah Syamimi Putri Adiba Syed Putera	OPP07	Managing Medication Error in Community Pharmacy : A Qualitative Study
8	Liza Pristianty	OPP08	Compliance Profile of Advanted Tuberculosis Patient in Taking Drugs (Study at Tarakan City Health Center)

**Day 1 – Wednesday, 27 July 2022, (14.00 - 16.00, GMT+7)**  
**Breakout Room 2 : Medicine, Surgery and Clinical Sciences (MS)**  
**Moderator Group 2 : dr. Laksmi Indreswari, Sp.B.**

No	Presenter Name	Code	Abstract Title
1	Hanis Hidayu Binti Kasim	OMS01	Blood Pressure Variability in Low Risk Pregnancy
2	Nazefah Abdul Hamid	OMS02	Gene Expression Profiling in Cervical Cancer: A Systematic Review
3	Nuttapon Seeha	OMS04	In Vitro Anticancer Activity of Tiliacora Triandra and Derris Scanden Plant-Based Compounds Against Human-Non Small Cell Lung Cancer (A549)
4	Mohd Zulkimi Roslly	OMS05	Traumatic Pneumorrhachis In Post-Mortem Computed Tomography: A Descriptive Study in A Tertiary Centre
5	Ruhi Fadzlyana Jailani	OMS06	Clinical Examination Assessment Among The Medical Undergraduates During Covid-19 Pandemic : A Scoping Review
6	Khairullah Anuar	OMS07	Extranodal Natural Killer (Enkl) T Cell Lymphoma In A 35-Year-Old Lady:A Rare Histopathological Findings Following Endoscopic Sinus Surgery
7	Cicih Komariah	OMS08	The Exposure Effect of Bacillus Thuringiensis as A Bioinsecticide on Corneal Epithelium of The Rattus Novergicus Rat Strain Wistar
8	Erma Sulistyaningsih	OMS09	The Optimum Dose of Recombinant DBL $\beta$ 2-Pfemp1 Protein in Inducing Humoral Immune Response: In Vivo Study for Malaria Vaccine Development

**Day 1 – Wednesday, 27 July 2022, (14.00 - 16.00, GMT+7)**

**Breakout Room 3 : Pharmacy and Pharmaceutical sciences (PP)**

**Moderator Group 3 : apt. Bambang Subakti Zulkarnain, MClInPharm.**

No	Presenter Name	Code	Abstract Title
1	Cindra Tri Yuniar	OPP28	Impact of Telepharmacy Services on Medication Adherence in Hypertensive Patients
2	Yugo Susanto	OPP10	The Impact of MHealth Application on Improving Medication Adherence and Hypertension Management: A Systematic Review of Randomized Trials
3	Dyah Rahmasari	OPP11	Resveratrol Loaded Nanostructured Lipid Carrier for Topical Treatment of Aging: Design, Optimization, and in Vivo Characterization
4	Ika Puspita Dewi	OPP12	Protective Effect of Piper Crocatum Ethanol Extract on Gentamicin-Induced Nephrotoxicity in Rats
5	Dina Khoiruna	OPP13	Profile of Antioxidant Activity and Chemical Content of Melinjo Seed Extract ( <i>Gnetum gnemon</i> L.) from Various Growing Places
6	Indah Rokhmawati	OPP15	Cost-Effectiveness Analysis Combination Antihypertensive Therapy CCB-ACEi and CCB-ARB in Hypertensive Patients with Type II Diabetes Mellitus at The Islamic Hospital of Nahdlatul Ulama Demak in 2021
7	Widyarti Widyarti	OPP16	Profile of Antioxidant Activity and Chemical Content of Red Melinjo Skin Extract ( <i>Gnetum gnemon</i> L.) from Various Growing Place
8	Agnes Christie Rinda	OPP17	The Problems with Continuity of Care in The Treatment of Patients with Type 2 Diabetes Mellitus

**Day 1 – Wednesday, 27 July 2022, (14.00 - 16.00, GMT+7)**  
**Breakout Room 4 : Health Sciences and Public Health (HP)**  
**Moderator Group 4 : Dr. drg. Masniari Novita M.Kes., Sp.OF.**

No	Presenter Name	Code	Abstract Title
1	Yue Yin Soo	OHP01	Perceived Impact of The Covid-19 Pandemic: A Qualitative Study Among University-Attending Youths in Malaysia
2	Dinda M N Ratri	OHP02	Analysis of Adolescent Knowledge About Covid-19 Preventive Measures Based on CDC Guidelines: A Cross-Sectional Study
3	Syafrawati	OHP03	Fraud Policy Implementation in Primary and Secondary Health Care
4	Tarushi Tanwar	OHP04	Gender-Based Correlation Between Subjective Sleep Parameters, Stress, and Fatigue Among University Students
5	Angelina da Costa Fernandes	OHP05	Factors Associated with Disrespect and Abuse of Women During Labour and Birth in Health Facilities in Low- And Middle-Income Countries: A Systematic Review and Meta-Analysis
6	Eka Wilda Faida	OHP06	Role of The Work Engagement on Behavioral Intention in The Use of Electronic Medical Records: A Cross Sectional Study
7	Anif Prasetyorini	OHP07	Shared Leadership Role of Intersectoral Bodies on Family Planning Program Performance (Prospective Longitudinal Time Series Design)
8	Novi Maulina	OHP08	Treatment Success and Related Factors of Drug-Susceptible and Drug-Resistant Tuberculosis Patients in Aceh Referral Hospital

**Day 1 – Wednesday, 27 July 2022, (14.00 - 16.00, GMT+7)**

**Breakout Room 5 : Health Sciences and Public Health (HP)**

**Moderator Group 5 : dr. Dwita Aryadina Rachmawati, M.Kes.**

<b>No</b>	<b>Presenter Name</b>	<b>Code</b>	<b>Abstract Title</b>
1	Azlina Mokhtar	OHP09	KliPMobile: A Model of Community Engagement Program
2	Nurul Azmawati Mohamed	OHP10	Knowledge, Attitude and Practice of Hand Hygiene Among Parents: A Post COVID-19 Pandemic Survey
3	Mohd Manzor Nur Fariha	OHP11	Prophetic Food as Potential Natural Booster of Stem Cells: from Literature to Scientific Evidence
4	Lina Permatasari	OHP12	Alzheimer's Disease from Diabetic Brain: Explore the Molecular Process to Find Out the Potential Therapy Target from Marine Sources
5	Dwi Rukma Santi	OHP13	Pregnant Women Behaviors in Early Detection of Preeclampsia Warning Signs Based on Health Belief Model: Structural Equal Modeling Analysis
6	Intan Maslina Musa	OHP14	Hydroxyapatite (HA) Scaffold Supplemented with VEGF and BMP-2 Growth Factors Enhanced Osteogenic Proliferation and Differentiation of MC3T3-E1 Cells.
7	Susilawati	OHP15	Economic and Financial Aspects of The Community-Based Sanitation Management: The Survey in Coastal Area
8	Irma Prasetyowati	OHP16	Maternal Characteristics and Hygiene Sanitation on Stunting and TB in Jember Regency in 2021

**Day 1 – Wednesday, 27 July 2022, (14.00 - 16.00, GMT+7)**

**Breakout Room 6 : Health Education (HE)**

**Health Sciences and Public Health (HP)**

**Others (OT)**

**Moderator Group 6 : Dr. Anu Suria Ganason**

<b>No</b>	<b>Presenter Name</b>	<b>Code</b>	<b>Abstract Title</b>
1	Nadeeya 'Ayn Umairsara Mohamad Nor	OHE01	Development of Mobile-Based Family Planning Application (Rancanglah): A Social Innovation in Empowering Women Towards Better Health.
2	Urfa Khairatun Hisan	OHE02	Preparing Pharmacist for The Era of AI-Driven Pharmacological Science: An Opinion Article
3	Umarudin Umarudin	OOT01	In Silico Approach of Bioactive Molecule Chitosan 501.1 kDa from Snail Shell as Antioxidant and Inhibitors of The Keap1-Nrf2 Protein-Protein Interaction
4	Elok Permatasari	OOT02	Analysis on Parenting Control Skill Factors as Sexual Abuse Prevention in Early Childhood Found in Jember Regency
5	David Pakaya	OOT04	Effect of Metformin on Liver Histopathological Appearance of Obesity Rat Model
6	Wiwik Afridah	OOT05	Interprofessional Education Opportunities and Challenges for Public Health Students
7	Emanuel Gerald Alan Rahmat	OOT06	Overview of The Application of The Cold Chain Management in The Storage and Distribution of Vaccines For Immunization Programs
8	Sumbul Ansari	OHP22	Intra-Rater Surface Electromyography Recordings of The Multifidus in Athletes with Chronic Low Back Pain: A Reliability Study



**Day 1 – Wednesday, 27 July 2022, (14.00 - 16.00, GMT+7)**

**Breakout Room 7 : Pharmacy and Pharmaceutical sciences (PP)**

**Moderator Group 7 : apt. Gesnita Nugraheni, MS**

No	Presenter Name	Code	Abstract Title
1	Zaswiza Mohamad Noor	OPP18	Use of Covid-19 Self-Test Kits During Pandemic: Knowledge, Attitude and Practice Among Adults in Malaysia
2	Nilam Ardiningtyas	OPP19	Application of Near-Infrared Spectroscopy Combined with Chemometric for Determination of Moisture Content in Medicinal Plants Rhizome Powder
3	Lina Winarti	OPP21	Self-Nanoemulsifying Drug Delivery System with Surfactants Combination for Solubility and Dissolution Enhancement of Meloxicam
4	Nur Rohmah Maulidiyah	OPP22	Sea Buckthorn Microemulsion Photostability with Isopropyl Miristate Variations
5	Bella Donna Perdana Putra	OPP23	Effect of Fondaparinux Anticoagulants on D-Dimer Levels in Covid-19 Patients
6	Via Qurrota A'yun	OPP24	Activities of Jamu Sondhep to Changes of Il-1 $\beta$ with Osteoarthritis Rat Model
7	Chilmia Nurul Fatiha	OPP25	Indonesian Pharmacy Student's Perception and Preventive Behavior of Covid-19
8	Cindra Tri Yuniar	OPP27	The Correlation Between Students' Knowledge and Comprehension of Rational Use of Medicine and Medication Safety Awareness in Greater Bandung Area

**Day 2 – Thursday, 28 July 2022, (13.30 – 15.15, GMT+7)**

**Breakout Room 1 : Pharmacy and Pharmaceutical sciences (PP)**

**Moderator Group 1 : Dr. apt. Budipratiwi Wisudyaningsih, MSc**

No	Presenter Name	Code	Abstract Title
1	Abu Na'ma Al Fauzi	OPP26	Photostability of Sea Buckthorn Oil in Microemulsion with Tween 80-PEG 400
2	I Nyoman Wijaya	OPP09	The Effect of Providing Module Training on Increasing Pharmacists' Knowledge and Skills in Identifying Drug Therapy Problems in Hypertensive Patients at Public Health Centers in Surabaya
3	Anisyah Achmad	OPP29	The Relationship Between High Sodium Intake and Bone Mineral Density in Women with Knee Osteoarthritis
4	Bambang Subakti Zulkarnain	OPP30	Assessment of Light Transmission Platelet Aggregometry Mapping for Individual Platelet Response to Dual Antiplatelet Therapy in Post Percutaneous Coronary Intervention Patients: A Pilot Study
5	Khusnul Fitri Hamidah	OPP31	Medication Complexity and COVID-19 Pandemic Impact on the Cost Burden in Elderly Patients at the Emergency Department
6	Endah Puspitasari	OPP32	Etnopharmacy Study of Medicinal Plant at Osing Tribe at Benelan Lor, Badean, Pengatigan, Aliyan, and Kepundungan Village, Banyuwangi Regency, Indonesia

**Day 2 – Thursday, 28 July 2022, (13.30 – 15.15, GMT+7)**

**Breakout Room 2 : Medicine, Surgery and Clinical Sciences (MS)  
Health Sciences and Public Health (HP)**

**Moderator Group 2 : Dr. drg. Atik Kurniawati, M.Kes.**

<b>No</b>	<b>Presenter Name</b>	<b>Code</b>	<b>Abstract Title</b>
1	Anu Suria Ganason	OMS03	Statin and Double Vision: A Case Report
2	Novera Herdiani	OHP17	The Effect of Mangosteen Pericarp Extract on Blood Glucose Reduction in Diabetic Rats
3	Rara Merinda Puspitasari	OHP18	Sleep Hygiene Awareness, Sleep Hygiene Practice, and Sleep Quality of University Students in Malaysia
4	Yunita Armiyanti	OHP19	Intestinal Parasite Infections and Associated Risk Factors among Agricultural Community in Jember, Indonesia
5	Nor Safwan Hadi Nor Afendi	OHP20	Knowledge, Attitude and Perception (KAP) towards Attention Deficit Hyperactivity Disorder (ADHD) in Children: A Cross Sectional Study among Parents in Pulau Pinang.
6	Iram Iram	OHP21	Association Between Subjective Sleep Parameters with Stress and Burnout in Women Working in The Formal Sector
7	Dewi Rokhmah	OHP30	Health Literacy to Prevent Stress at The Junior High School Student in Online Teaching Era

**Day 2 – Thursday, 28 July 2022, (13.30 – 15.00, GMT+7)**

**Breakout Room 3 : Pharmacy and Pharmaceutical sciences (PP)**

**Moderator Group 3 : apt. Arina Derry Puspitasari, M.Farm.Klin.**

No	Presenter Name	Code	Abstract Title
1	Din Amalia Widyaningrum	OPP33	Polypharmacy as The Risk Factor of Potentially Inappropriate Medication and Medication Regimen Complexity Index in Hospitalized Elderly Patients
2	Lailatul Isti'Adzah	OPP34	Correlation Between Total Phenolic and Flavonoid Content with Antioxidant Activity Ethanol Extract in Moringa Leaf (Moringa Oleifera L.)
3	Fenita Shoviantari	OPP35	Paper Flower Gel (Bougainvillea Glabra) Antioxidant and Antibacterial Activity Test
4	Dimas Wakhid Setiawan	OPP36	Formulations of Buccal Film Containing Diltiazem HCl Nanopartikel
5	Dwi Novita Sari	OPP37	The Influence of Feeling Lonely and Received Social Support on Medication Adherence In Elderly with Hypertension
6	Rika Julia Nur Zubaidah	OPP38	Physical Stability Cream A/M Hair Dye Lakes Ethanol Extract of Butterfly Pea Flower (Clitoria Ternatea L.) with Tween80-Span80-Propylene Glycol Combination

**Day 2 – Thursday, 28 July 2022, (13.30 – 15.15, GMT+7)**

**Breakout Room 4 : Pharmacy and Pharmaceutical sciences (PP)  
Others (OT)**

**Moderator Group 4 : Florencio V. Arce, Jr., Ph.D.**

<b>No</b>	<b>Presenter Name</b>	<b>Code</b>	<b>Abstract Title</b>
1	Mariyatul Qibtiah	OPP45	Impact of Antimicrobial Stewardship on Reserve Antibiotic Use and Procuring Antibiotic Cost in Hospital Setting
2	Oeke Yunita	OPP46	Development of Online Information Card About Indonesian Herbal Medicine
3	Dedi Hartanto	OPP47	Cost Effectiveness of Intra-Articular Hyaluronic Acid Injection: A Systematic Review
4	Dian Agung Pangaribowo	OPP48	Structure Modification and Biological Evaluation of Cinnamic Acid Derivatives as Anti-Breast Cancer Agents Through Epidermal Growth Factor Receptor
5	Khurin In Wahyuni	OPP49	Perception of Healthcare Personnel in Interprofessional Collaboration: Study in Two Type C Hospitals in East Java
6	Ninna Rohmawati	OOT07	Household Food Security and Parenting as Risk Factors of Stunting in Toddlers Aged 24-59 Months
7	Anita Dewi Moelyaningrum	OOT08	Foodborne Disease and Food Safety Among College Students in Pandemic Situation

**Day 2 – Thursday, 28 July 2022, (13.30 – 15.15, GMT+7)**

**Breakout Room 5 : Health Sciences and Public Health (HP)**

**Moderator Group 5 : Dr. Khadijah Hasanah Abang Abdullah**

No	Presenter Name	Code	Abstract Title
1	Sumbul Ansari	OHP23	Correlation of Chronic Low Back Pain with Anxiety, Depression, Body Mass Index and Plank Performance in University Athletes
2	Faiqatul Hikmah	OHP24	Characteristics and Communication Skills of Health Officers in the Implementation of Provider Initiative Test and Counseling (PITC) for Pregnant Women at the Jember District Health Center, East Java, Indonesia
3	Amanda Setiari Jaya	OHP25	The Relationship Between Level of Knowledge and Resilience to Covid-19 Preventive Practice Among Udayana University Students Following Covid-19 Vaccination
4	Angelina da Costa Fernandes	OHP26	Women's Experiences of Abuse and Support During Childbirth: A Cross-Sectional Survey in Health Facilities in Dili, Timor-Leste
5	Iken Nafikadini	OHP27	Development of Health Promotion Media Emo Demo for Stop Drugs in The Prevention of Drug Abuse in Elementary School Age Children
6	Prehatin Trirahayu Ningrum	OHP28	Soursop Leaf Extract ( <i>Annona muricata</i> L) as Biochemical Pesticide Against Fruit Flies ( <i>Bactrocera Sp</i> )
7	Khoiron	OHP29	Merchants' Behavior on Supporting Prevention of COVID-19 Spread in Ijen Geopark Bondowoso Area

**Day 2 – Thursday, 28 July 2022, (13.30 – 15.00, GMT+7)**

**Breakout Room 6 : Pharmacy and Pharmaceutical sciences (PP)**

**Moderator Group 6 : apt. Gusti Noorrizka, M.Sc.**

<b>No</b>	<b>Presenter Name</b>	<b>Code</b>	<b>Abstract Title</b>
1	Ardhianta Irfan Hanif	OPP39	Acute Irritation Dermal Cream A/M Hair Dye Lakes Telang Flower Ethanol Extract (Clitoria Ternatea L.) with Variations Concentration Tween 80 Span 80 and Propylene Glycol
2	Abdul Rahem	OPP40	The Risk of Using Herbal Medicines for People With Diabetes Who Use Conventional Medicine
3	Shifwatu Dzakiyyah	OPP41	Optimization of Oil and Seed Powder of (Momordica Charantia) in the Body Scrub Cream Preparation
4	Ami Reza Novitasari	OPP42	Optimization of Bitter Melon Seed Oil and Titanium Dioxide in Sun Screen Lip Cream Preparation
5	Honey Dzikri Marhaeny	OPP43	Potential Anti-Allergic Activity of Phyllanthus Niruri Secondary Metabolites Against Malt1 Protease Through in Silico Approach
6	Yusuf Alif Pratama	OPP44	The Optimization and Standardization of Indonesian House Dust Mites Allergenic Extract as A Desensitization Agent



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**Oral Presenter**

The 4th International Conference on Medicine and Health Sciences,  
27-28 July 2022

SKP No: SKP.286/PP.IAI/1822/VI/2022

Oral Presenter 3 SKP

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**ELIDA ZAIRINA**  
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Dean Faculty of Pharmacy  
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**THEME: ~~Medicine, Surgery and clinical sciences / Dentistry / Health sciences and Public health / Pharmacy and Pharmaceutical sciences / Health Education / Others\*~~**  
(Pick only the most relevant theme)

## **DEVELOPMENT OF ONLINE INFORMATION CARD ABOUT INDONESIAN HERBAL MEDICINE**

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### **ABSTRACT**

The high demand for herbal medicines in Indonesia has not been accompanied by the development of a dynamic and educational information system about the characteristics, activities, and safety of herbs as complementary therapies. On the basis of this background, a program for the production of information media was carried out that covered the characteristics, pharmacological activities, and safety of herbs. The structured and dynamic information is displayed on the Online Information Card, which was created with Figma to assist users in obtaining information. The creation and selection of designs through a survey of a small sample of respondents is the first step in the development of information media. Furthermore, a general public survey of people aged 17 to 25 who actively use their mobile phones for at least one and a half hours per day was used to evaluate the online information card. Most respondents believed that the online information card educational medium was simple to comprehend and use, according to the evaluation of 60 respondents on the interpretation of information, completeness of information, and convenience of searching for herbal information.

Keywords: herbal medicine, online information card, figma, characteristics, activities, safety

## **Introduction**

According to the findings of the 2018 Basic Health study (Riskesdas, 2018), 48% of Indonesians consume completed ingredients from the herbal medicine sector, and 44.3% of the country's population uses herbal health services (Widiyastuti, 2020). Research by Yunita et al. (2022) on the Surabaya community's search for herbal information reveals that the majority of respondents (51.4%, N=70) acknowledged that they had herbal information and that they primarily (91.4%) got it from search engines, health websites, and health applications. This pattern demonstrates the necessity of creating educational materials online materials to raise public knowledge of herbal medicine.

## **Research Method**

This study was conducted in four phases: (1) designing an online information card (OIC), (2) selecting an OIC design using a qualitative survey (n = 10), (3) evaluating the OIC design with a questionnaire (n = 60), and (4) implementing the OIC.

Development of OIC Educational Materials Using Figma ([www.Figma.com](http://www.Figma.com)) begins by registering and selecting a starter. Next, create a frame for the size of the Online Information Card, and select a rectangle and enter text and images about the herbal identity. Herbal data was obtained from monographs, websites and journals herbal identity (Yunita et al, 2020; Yunita et al, 2021; Yunita et al., 2022<sup>b</sup>). After completing the design, review is carried out by pressing the play button or present.

The purpose of the design selection process was to choose which of the three designs—some of which are intriguing or suitable in terms of typeface, color compatibility, layout, and images—were created by OIC team.

A questionnaire instrument was used to evaluate the design results. Easy access to information, features that are easy to use, and interest in using online information cards as educational materials are the parameters that are assessed about these cards. Evaluation also conducts associated assessments of the completeness and accuracy of information regarding the identity of herbs, particularly with regard to their pharmacological advantages, safety, and characteristics.

Respondents who are members of the general public and between the ages of 17 and 25 are eligible to participate in the design selection and evaluation of OIC designs. Senior high school is

the minimum level of schooling. spending at least one to one and a half hours a day on a smartphone or internet. Students and those employed in the medical field who decline to participate are excluded.

## Results and Discussion

The number of respondents who evaluated the results of the OIC design, as seen in Figure 1, was 60 people with appropriate inclusion criteria, the number of respondents was more than 30 respondents to be able to obtain accurate survey results as mentioned by Hogg et al. (2015). The majority of respondents were aged 17 up to 25 years (54.29%), with the last education being high school (47.14%). More than half of respondents (51.42%) use smartphones very often and use the internet, for more than 16 hours per day, so that it is hoped that respondents can operate the educational media provided. The findings in this study are in accordance with previous research by Yunita et al. (2022<sup>a</sup>) and Yunita & Theterissa (2022).



Figure 1 Selected design of online information card about characteristic, usage and safety of herbal medicine

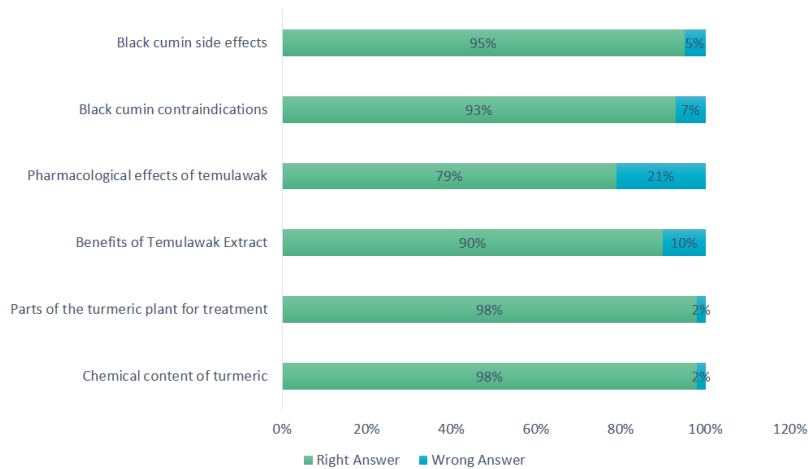


Figure 2. Information understanding test results on online information card about characteristic, usage and safety of herbal medicine

Figure 2 show the majority of respondents (79–98%) selected "true" for the information retrieval accuracy question, according to the evaluation of the Online Information Card. According to the evaluation in Figure 3, the majority of respondents (79–90%) agreed and strongly agreed that the language used was easy to understand and accessible for finding herbal information, and that the information about the characteristics, applications, and safety of herbs was complete. According to studies (Pang et al., 2016; Jimmy et al., 2019), health cards enhance the capacity to find information and offer substantial advantages above only utilizing generic search results.

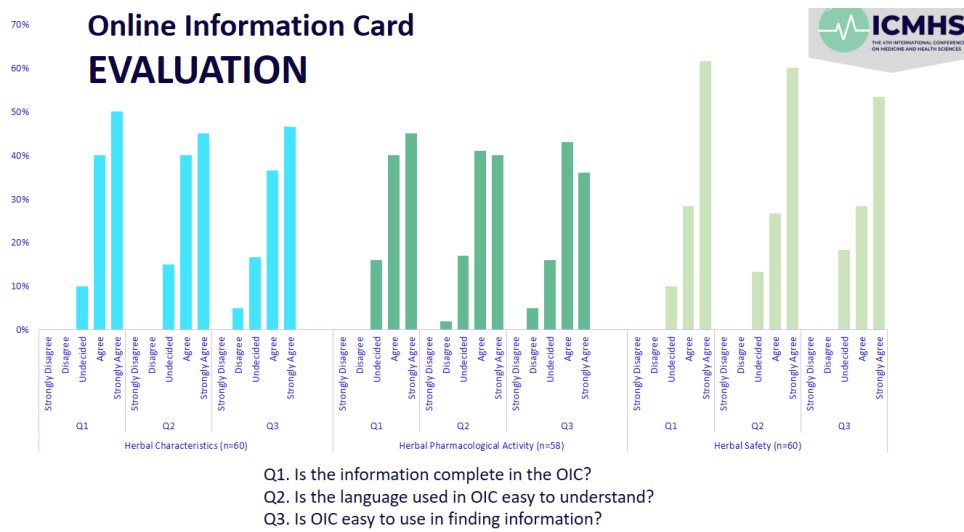


Figure 3. Online information card evaluation results about completeness, language usage and accessibility in finding information

At least two to five percent of respondents disagreed with the language and ease of access for herbal uses, and five percent disagreed with the ease of access for herbal characteristics. This is because of the appearance of the OIC is still not responsive, it can only be seen on mobile devices, while PC users continue to utilize the mobile user interface, making it incompatible with PC users.

## **Conclusions**

Online Information Card (OIC) can assist in comprehending herbal information, particularly regarding the characteristics, pharmacological activity, and safety of herbs. The majority of respondents strongly agree or agree that the OIC's herbal information is comprehensive, written in simple language, and easy to navigate.

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