

Announcement of Selected Posters for the ISST Research Poster Competition 2025

The ISST Committee is delighted to announce the Selected Posters for the ISST Research Poster Competition 2025!

We extend our sincere appreciation to all participants for their dedication and effort in submitting high-quality research posters this year.

List of Selected Posters

We proudly present the list of posters that have advanced to the next stage of the competition:

Name (The Leader)	Education Level	University/Institution	Title Of Poster Submission	Sub Theme
Miratul Alifah	Postgraduate (S2 / Master's Degree Or S3 / Doctoral Degree)	Pavol Jozef Safarik University	Mesoporous Silica As A Smart Technology For Sustainable Drug Delivery In Cardiovascular Health	Smart Technologies For Sustainable And Healthy Living
Iqbal Ainur Rizki	Postgraduate (S2 / Master's Degree Or S3 / Doctoral Degree)	Victoria University Of Wellington	Kalseight (Karhutla Smoke Fighter): Optimising Catalytic Converter–Based Technology For Forest Fire Smoke Degradation To Achieve Sustainable And Healthy Living In Indonesia	Smart Technologies For Sustainable And Healthy Living
Faizatin Liyan Syibyan	Postgraduate (S2 / Master's Degree Or S3 / Doctoral Degree)	King Fahd University Of Petroleum And Minerals	Green Innovation: Plasma Surface Modification Of Bioplastics For Natural Dye Binding	Smart Technologies For Sustainable And Healthy Living
Aprilia Artha Pratama Simanjuntak	Postgraduate (S2 / Master's Degree Or S3 / Doctoral Degree)	Universitas Padjadjaran	Inequitable Access To Smart Health Solutions In Indonesia: Telemedicine Trends During The COVID-19 Pandemic	Smart Technologies For Sustainable And Healthy Living

Annur Valita Sindiani	Postgraduate (S2 / Master's Degree Or S3 / Doctoral Degree)	Universitas Lampung	Utilization Of Poly Eugenol As A Carrier In Polymer Inclusion Membranes (Pims) For Malachite Green Transport	Water, Energy, And Food Nexus For Resilient Societies
Campina Illa Prihantini	Postgraduate (S2 / Master's Degree Or S3 / Doctoral Degree)	Universitas Brawijaya	Metadea Of Geomembrane Technology For Salt Self-Sufficiency In Indonesia	Climate Resilience And Sustainable Resource Management
Erik Surahmat	Undergraduate (S1 / Bachelor's Degree)	Universitas Terbuka	Utilization Of Family Medicinal Plants For Smart Living: Healthy And Environmentally Friendly	Smart Technologies For Sustainable And Healthy Living
Denny Haryadhi Nurdhiansyah	Undergraduate (S1 / Bachelor's Degree)	Universitas Terbuka (UT)	Metode Denny™: A Systemic And Cyclical Framework For Multi-Disciplinary Innovation And Problem Solving	Circular Economy And Sustainable Innovation
Padriansyah Lubis	Undergraduate (S1 / Bachelor's Degree)	Universitas Andalas	Primer Effectiveness Test For Dna Authentication Of Skipjack Tuna (Katsuwonus Pelamis) Using Multiplex Pcr	Smart Technologies For Sustainable And Healthy Living
Nurul Safitri	Undergraduate (S1 / Bachelor's Degree)	Universitas Terbuka, Politeknik Negeri Banyuwangi	IoT-Based Smart Composter As A Potential Approach To Enhance Environmental Sustainability In Household Organic Waste Management	Smart Technologies For Sustainable And Healthy Living
Felik Sanca Januar	Undergraduate (S1 / Bachelor's Degree)	Universitas Terbuka	Driving Sustainability: A Green Chemistry Approach To	Water, Energy, And Food Nexus For

			Preservative-Free Preformulated Mixtures	Resilient Societies
Stella Caroline Roma Ito	Undergraduate (S1 / Bachelor's Degree)	Universitas Sultan Ageng Tirtayasa	Spatial Analysis Of The Amount Of Waste Transported To Landfills And Adequate Sanitation For Sustainable Climate Resilience In West Java	Climate Resilience And Sustainable Resource Management
Andi Wahda Ningsih	Undergraduate (S1 / Bachelor's Degree)	Universitas Sembilanbelas November Kolaka	Bridging The Sustainable Palm Oil: Readiness Of Kolaka Smallholders In Supporting Sdgs Through Ispo Certification	Climate Resilience And Sustainable Resource Management
Elsa Izza Syafira	Undergraduate (S1 / Bachelor's Degree)	Universitas Muhammadiyah Semarang	Classification Of Air Quality Index (Aqi) In Dki Jakarta Using Xgboost Method	Smart Technologies For Sustainable And Healthy Living
Nawal Syafiq Farihan	Undergraduate (S1 / Bachelor's Degree)	Universitas Terbuka	Correlation Between Water Infiltration Conditions And The Urbanization Impact By Normalized Difference Built-Up Index (Ndbi) In The Northern Bandung Area (Kbu)	Climate Resilience And Sustainable Resource Management
Setiawan Amrullah	Undergraduate (S1 / Bachelor's Degree)	Universitas Muhammadiyah Semarang	Heart Disease Detection Using Machine Learning-Based Decision Tree Algorithms	Smart Technologies For Sustainable And Healthy Living
Khansa Mutiara Alifia	Undergraduate (S1 / Bachelor's Degree)	Universitas Terbuka	Chemical Interactions Among Plants For The Optimization Of Agriculture & The	Climate Resilience And Sustainable

			Sustainability Of Ecosystem	Resource Managem ent
Fitry Hasan Wau	Undergradu ate (S1 / Bachelor's Degree)	Universitas Mataram	Qpcr-Based Smart Innovation For Rapid Detection Of Salmonella Sp. In Lombok Local Foods To Support Sustainable And Healthy Tourism	Smart Technologi es For Sustainabl e And Healthy Living
Jihan Fardhina Cahyaningt yas	Undergradu ate (S1 / Bachelor's Degree)	Universitas Mataram	Acid Hydrolisis Of Banana Peel Waste For Reducing Sugar Production	Climate Resilience And Sustainabl e Resource Managem ent
Fitri Idayanti	Undergradu ate (S1 / Bachelor's Degree)	Universitas Mataram	Lombok Shrimp Paste With Mackerel Addition	Circular Economy And Sustainabl e Innovation
Tsuraya Yaumil Mahdiyyah Nur Ilham	Undergradu ate (S1 / Bachelor's Degree)	Universitas Terbuka	Forecasting Optimization Of Yields Productivity Of Shallot Crops Using Weighted Moving Average And Trend Moment Methods	Circular Economy And Sustainabl e Innovation
Firdaus And Septa Falahudin	Undergradu ate (S1 / Bachelor's Degree)	Universitas Bangka Belitung	MAPPING The Potential Locations For Sustainable Urban Agriculture Based On Geographic Information Systems (GIS) In Titi Kuning Village, Medan Johor District	Water, Energy, And Food Nexus For Resilient Societies
Adisty Rmania	Undergradu ate (S1 / Bachelor's Degree)	Universitas Terbuka	RSA (Rivest-Shamir-Adleman) Security Analysis Based On The Properties Of Integer Modular	Smart Technologi es For Sustainabl e And

			Multiplicative Group Order	Healthy Living
Tiara Salsabila Hakim	Undergraduate (S1 / Bachelor's Degree)	Universitas Tanjungpura	Harnessing Wave Dynamics For A Resilient Future: Performance Evaluation Of CFD-Based Oscillating Water Column Models	Water, Energy, And Food Nexus For Resilient Societies
Alief Mutiara Syafitri	Undergraduate (S1 / Bachelor's Degree)	Universitas Terbuka	Evaluating Near Infrared Reflectance As A Feasible And Sustainable Alternative Method For Proximate Analysis In Cereal, Biscuit, And Porridge	Circular Economy And Sustainable Innovation
Arip Priatna	Undergraduate (S1 / Bachelor's Degree)	Universitas Terbuka	Overlay Map Of Tidal Flooding In North Jakarta For Sustainable And Resilient Disaster Mitigation	Climate Resilience And Sustainable Resource Management
Raden Rifqi Rabani	Undergraduate (S1 / Bachelor's Degree)	Universitas Terbuka	Proximate Composition Comparison Of Almond–Date-Based Sambel Pecel (Mondate) And Commercial Peanut-Based Sambal Pecel	Smart Technologies For Sustainable And Healthy Living
Pandu Sukma Hastyadi	Undergraduate (S1 / Bachelor's Degree)	Gadjah Mada University	Activation Of Carbon From Plastic Bottle Waste Modified With Zeolite 13X As A Capacity Enhancer For Sustainable Carbon Capture Technology Adsorbent	Climate Resilience And Sustainable Resource Management
Reynaldy Pakpahan	Undergraduate (S1 /	Universitas Terbuka	Utilization Of Chicken Bone	Circular Economy

	Bachelor's Degree)		Waste From The Poultry Slaughterhouse As A Nutrition And High-Calcium Chips Snack	And Sustainable Innovation
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The posters that have been selected will now proceed to the next stage of the competition, which includes online voting, further professional assessment, and an onsite exhibition.

1. Online Display & Public Polling (October 25 – 29, 2025)

The selected posters will be displayed on the official ISST website for public access. Simultaneously, an online polling system will be active, allowing viewers to vote for their favorite poster. This public vote will determine the Most Favorite Poster and does not contribute to the professional judging score. The process of advanced judging by the professional panel will also take place during this period.

2. Onsite Exhibition & Winners Announcement (October 30, 2025)

All selected posters will be professionally printed and exhibited onsite during the offline ISST event, allowing attendees to view the research in person. The winners of the competition will then be announced at the main ISST event on October 30, 2025. Participants who cannot attend in person can join the online session to hear the announcement.

Congratulations again to the researchers whose posters have been selected. We look forward to showcasing your outstanding work!

Best regards,

The ISST Committee