

33rd ITSF Program Year 2026
SCIENCE TECHNOLOGY AWARD 2026 APPLICANTS

NO	Name	Gender	University	Title
1	Zainul Abidin, M. M.Pd	Male	Surabaya University of Technology	Digital Learning Transformation and Strengthening of Numeracy Literacy Secondary School in Indonesia in 2026
2	Dr. Chairul Salam M. Ph.D (Candidate)	Male	Gadjah Mada University	Interpretable Data-Driven Framework for Smart TBM Performance Analysis and Energy-Cost Optimization Using Physics-Informed Machine Learning
3	Dr. Rinda Hedwig	Female	Bina Nusantara University	Human-Centered Accessible Engineering Systems for Empowering Inclusive and Sustainable Societies
4	Prof. Himawan Tri Bayu Murti Petrus, S.T., M.E., D.Eng.	Male	Universitas Gadjah Mada	Geothermal Beyond Energy: Total Extraction and Circular Valorisation of Geothermal Resources
5	Dr. Mohamad Ilyas Abas, M.Kom	Male	Muhammadiyah University of Gorontalo	CornLeaf-MIA Net: Lightweight Deep Learning for Accurate and Efficient Corn Leaf Disease Detection
6	Prof. Wiah Wardiningsih, PhD	Female	Bandung Polytechnic of Textile Technology	Sustainable Natural Fibres and Nonwovens from Indonesian Biopharmaceutical Plants Pseudo-Stem Waste
7	Dr. Gerlan Apriandy Manu, S.T.,M.Kom	Male	Citra Bangsa University	Videmo: Deep-Learning Emotion Detection Integrated with Video-Based Discussion for Emotion-Aware Online Learning
8	Dr (c).Heru Kurniawan, S.E., S.Pd., M.M.	Male	Bakti Tunas Husada University	Pengembangan Model Pemberdayaan Produktivitas Generasi Z Berbasis Kompetensi, Literasi Digital, dan Kesiapan Kerja untuk Pengembangan UMKM di Era Transformasi
9	Prof. Muhammad Amin, S.Si., M.Eng., Ph.D.	Male	Khairun University	Forensic Ionic Fingerprinting of Pyrotechnic Materials by Ion Chromatography: From Pre-Blast Composition to Post-Blast Residue Identification
10	Dr. Nia Saurina, SST., M.Kom.	Female	Universitas Wijaya Kusuma Surabaya	Intelligent System Based on Hyperspectral Imaging and Deep Learning for Non-Destructive Shelf-Life Prediction of Indonesian Fishery Products
11	Dr (cand). Ir. Ghefra Rizkan Gaffara, S.T., M.Sc	Male	Bandung Institute of Technology	Real-Time Integrated Risk Assessment and Early Warning Technology for Sustainable Landfill Fire and Landslide Management
12	Badrun Ahmad,S.T.,M.T.	Male	Universitas Khairun	Engineering of Biodegradable Cassava Starch–Cellulose Yarns via Citric Acid Crosslinking and Glycerol Plasticization: Microfiber Shedding Assessment
13	Prof. Dr.techn. Djoko Triyono	Male	University of Indonesia	Synergistic Integration of Chemical Synthesis, Transport Properties, and Impedance Spectroscopy of Next-Generation, Fast-Response Nano-Perovskite Sensors for Greenhouse Gas Emissions Monitoring

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14	Enggar Hero Istoto, S.Si., M.	Male	Bangka Belitung State Manufacturing Polytechnic	Improving Fuel Production Efficiency from Polyethylene Plastic Waste through the Pyrolysis Method
15	Prof. Dr. rer. nat. Witri Wahy	Female	Sebelas Maret University	Synthesis, method development and innovation, modification, and application of MOF in Sustainable Development Goals (SDGs)
16	Dr. Husain, S.Si., M.Si.	Male	State University of Makassar	Natural-Resource-Derived Fe ₃ O ₄ NPs/Reduced Graphene Oxide Composites as Radar-Absorbing Materials for Defense-Coating Applications
17	Shabrina, M.Pd., Gr.	Female	Yogyakarta State University	Android-Assisted Mobile Physics Learning Through Indonesian Batik Culture: Improving Students' Creative Thinking and Problem Solving
18	I Putu Ade Andre Payadnya, S	Male	Universitas Mahasaraswati Denpasar	Culturally Grounded AI-Assisted Adaptive E-Learning Integrating Ethno-Realistic Contexts for Personalized Geometry Learning
19	Prof. Dr. rer. nat. Andri Fredi	Male	National Research and Innovation Agency (BRIN)	Metabologenomics-Driven Fermentation: Unlocking Microbial Potential for Functional Foods and Bioactive Discovery
20	Zulkaida Akbar, Ph.D.	Male	National Research and Innovation Agency of Indonesia (BRIN)	Physics-Guided Machine Learning for Extracting Fundamental Information from Complex High-Energy Physics Data
21	Dr. rer. nat. apt. Ratih	Female	Surabaya University	Dry Lab-Assisted Predictive Modeling for Rapid and Sustainable HPLC Method Development
22	Wibawa Hendra Saputera, S	Male	Institute of Technology Bandung	Photocatalytic Nanomaterials for Clean Energy and CO ₂ Conversion to Value-Added Chemicals
23	Ir. Alfian Noviyanto, S.T.P., M	Male	Mercu Buana University	Reactivity-Driven Ceramic Processing: Harnessing Chemical Reactions for Nanopowder Production and Lower-Temperature Densification
24	Deyla Prajna Anindita Heru,	Female	Politeknik Negeri Jember	Deciphering the Contributions of Geographical Origin and Post-Harvest Processing to Arabica Coffee Spectral Fingerprints from the Tapal Kuda Region
25	Prof. D.Sc. Ir. Mohammed Al	Male	Universitas Indonesia	Nusantara Smart Building Guideline: Indonesia's First National Smart Building Standard
26	Prof. Adi Setyo Purnomo, S.S	Male	Sepuluh Nopember Institute of Technology	Integrated Microbial-Biomaterial Systems for Sustainable Biodegradation and Bioremediation of Persistent Environmental Pollutants

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27	Iksen, S.Farm., M.Si., Ph.D.	Male	Universitas Senior Medan	Integrative Discovery of Anticancer Candidates from Natural Products through Computational and Experimental Pharmacology
28	Dr. Fajar Pitarsi Dharma, S.S	Male	Textile Academy, Solo	Hyperparameter Optimization Strategy for Computer Vision, Deep LearningBased Multi-Class Textile Defect Detection in Smart Manufacturing
29	Apt. Yola Desnera Putri, M.F	Female	Indonesia College of Pharmacy	Development of a Pickering Nanoemulsions for Enhanced Antioxidant Activity of Green Tea (Camellia sinensis) Extract for Burn Wound Therapy
30	IFAN JULIANTA, M.Pd	Male	university muhammadiyah sampit	AI Recommendation System for Adaptive Learning Materials Based on User Behavior Date
31	Dr. Wa Ode Sri Rizki, S.Si., M	Female	Institut Teknologi Bandung	Recombinant Production of Polyhydroxybutyrate Using Seaweed-Derived Carbon Sources for Sustainable Bioplastic Development
32	Dr. Muhammad Roil Bilad, S	Male	Mandalika University of Education (UNDIKMA)	Integrated Membrane Materials and Modules for Energy-Efficient Water Treatment and Resource Recovery
33	Nurul Agustin, S.Pd, M.Pd	Female	Al Azhar Islamic University Gresik	Integrating Design Thinking into AI-Based Project Curriculum for Differentiated Learning Strategies
34	Yudha Endra Pratama, S.Pt.,	Male	University of Baiturrahmah	Integrated Discovery and Translational Development of Indigenous Probiotics from West Sumatran Fermented Foods
35	Iska Desmawati M.Si	Female	Sepuluh Nopember Institute of Technology	Integrating Multi-Source Data for Human-Snake Conflict Risk Mapping and Mitigation in East Java, Indonesia
36	Prof. Dr. Ivandini Tribidasari	Female	Universitas Indonesia	Materials Electrodes for Advanced Electrochemical Applications