



JURY BOARD OF DECISION LETTER
WORLD YOUTH INVENTION AND INNOVATION AWARD (WYIIA)

Number : 034/DJ.WYIIA/IYSA/VIII/2022

ABOUT DETERMINATION OF AWARD GOLD, SILVER, BRONZE AND SPECIAL AWARD
WORLD YOUTH INVENTION AND INNOVATION AWARD (WYIIA)

Consideration : The need for a scientific competition in the form of science project between students as a forum to continue to work and innovate in the world of research.

Reminder :

1. Work program Indonesia Young Scientist Association (IYSA) in 2022 about organizing national and international events;
2. Selection of participants from Indonesia for scientific competitions at International level;
3. IYSA cooperation rights for international scientific competition event.

Decide :

And assign :

1. Winner of World Youth Invention and Innovation Award (WYIIA) 2022 mentioned in the attachment to this letter
2. This decision is irrevocable and comes into force on the date of stipulation

Stipulated at the Gedung Convention Hall (Prof. R.H. A. Soenarjo, SH)
UIN Sunan Kalijaga Yogyakarta, Central Java on August 26, 2022

Board of Committee :

1. Deni Irawan, M.Pd (President of IYSA)

President of IYSA



Deni Irawan, M.Pd

SOCIAL SCIENCE

Elementary

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	México	Instituto Cumbres Cozumel	Lia Daniela Mora Pérez	Equals, let's make a difference	SILVER	

Senior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	SMA Negeri 3 Semarang	Nabil Juninanda Rahman	E-PRANATA MANGSA (Farmers Companion App Based on Javanese Culture Pranata Mangsa)	GOLD	miica sa
2	Indonesia	SMAN 3 SEMARANG	Nadia Edita Maheswari	The Effect of Covid-19 Pandemic on the Using of E-money for Student Consumption in Semarang	GOLD	miica sa, iysa semi grand award : free registrasi iiiex 2022 online
3	Indonesia	Pradita Dirgantara High-School	Anindya Atha Moerbandono	The Effect of Russia-Ukraine Conflict on Indonesia's Economic Field Alongside the Development of Technology with the Presence of MyPertamina Apps	GOLD	
4	Indonesia	MAN 3 KOTA PALEMBANG	M. Rere Dhafa Rizky	EKSISTENSI KAMPUNG AL-MUNAWAR 13 ULU PALEMBANG DENGAN PENDEKATAN HISTORIC URBAN LANDSCAPE SEBAGAI UPAYA PELESTARIANNYA	SILVER	miica sa
5	Indonesia	MAN 3 KOTA PALEMBANG	NOPRILIANTI	UPAYA PENANGGULANGAN GELANDANGAN DAN PENGEMIS (GEPENG) UNTUK MENGATASI MASALAH KESEJAHTERAAN SOSIAL (PMKS) DI PALEMBANG	SILVER	myso sa
6	Indonesia	MAN 3 PALEMBANG	Artika Salsabilla	SUPERWOMAN SYNDROME: JEBAKAN PEMENUHAN EKONOMI DAN PEMBENTUKAN FAMILI RESILIENCE BAGI PEREMPUAN PERAJIN JUMPUTAN KAMPUNG PELANGI	SILVER	miica sa
7	Indonesia	SMA Negeri 1 Semarang	Aaliya Shakeena Cahayu Putri	AMTECO (Covid-19 Affected Communities Application)	SILVER	
8	Indonesia	MAN 3 SLEMAN	Rizkica Fajar Dwi Andini	"Buruan Checkout Sekarang" The Effect of Tik Tok Live Shopping Events On Consumtive Habits	SILVER	
9	Indonesia	MAN 3 SLEMAN YOGYAKARTA	AIFA ZAHDA AULIA AHMAD	THE EXISTENCE OF TRADITIONAL GAMES IN THE FORMATION OF CHILDREN'S CHARACTER IN THE ERA OF DISRUPTION	SILVER	

10	Turkey	Buca Science and Art Center	Eda Solak	INVESTIGATION OF THE EFFECT OF VILLAGE INSTITUTES ON SOCIAL DEVELOPMENT, OUR ORIGINAL EDUCATION MODEL IN THE CONTEXT OF EDUCATIONAL SOCIOLOGY	SILVER	
11	Indonesia	SMA UNGGULAN AMANATUL UMMAH SURABAYA	MAJDI ILAF FARADIS	The Development of an Android-Based "Zacca App" Application to Support for Reports Service and Prevent Sexual Violence and Harassment Among Students in the digital Age	SILVER	
12	Indonesia	SMA Muhammadiyah 1 Taman	Azizah Karmitha Suhada	Strengthening The Mental Health of The Younger Generation through Social Media Instagram @thehealthyminds__	SILVER	

University

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	State Islamic University Sunan Kalijaga Yogyakarta	Elicia Eprianda	Quality of Yogyakarta City Religious Moderation Index in 2022 (Study of Community Understanding After the Covid-19 Pandemic)	GOLD	iysa sa
2	Indonesia	Ganesha University of Education	Raden Simson Simbolon	Fishsambal.com: E-commerce innovation for marketing processed products Catong Fish Sambal (Cakalang & Tongkol) in Semaya village, Klungkung, Bali	GOLD	miica sa, iysa semi grand award : free registrasi iieix 2022 online
3	South Africa	University of the Witwatersrand	Tasneem Hassem	Adapting an online depression screening tool for South Africa	GOLD	IYSA SEMI GRAND AWARD : FREE REGISTRASI WICE 2022 ONLINE
4	Indonesia	Brawijaya University	Alfiana Fahera Rahmah	Utilization of Apple Peel (Malus sylvestris) as a "Bistape" High Nutrient Biscuits as an Effort to Increase the Number of UMKM in Indonesia	GOLD	dokja srekja sa
5	Indonesia	Brawijaya University	Faisol Habibi	Greenio: Millennial Generation's Innovation in Revitalizing Critical Land as Socio-Economic Development to Achieve Sustainable Development	SILVER	
6	Indonesia	Universitas Brawijaya	Kadek Dwi Premana	Forum Rempah App: Globalizing Indonesian Spices based on the Concept of Economic Sharing to Reach Indonesia Emas 2045	SILVER	
7	Indonesia	Andalas University	Ilham Febri	Society's Attitude and Response Towards LGBTQI+ Communities in West Sumatera: Minangkabau And Non-	SILVER	

				Minangkabau Ethnic Group Participation		
8	Indonesia	Lampung University	Vany Aswandi	Internalization of Character Education Based on Local Wisdom Bejuluk Beadek as a Mitigation of The Nation's Moral Degradation	SILVER	
9	Indonesia	Universitas Lampung	Syafa Putri Talisa	Analysis of Dam Raman in the past 1953-1956: reflection on sustainable economy in Metro City.	SILVER	
10	Indonesia	Ganesha University of Education	Putu Ayu Eka Martini	Mitra Bisnis: MSME Business Management Services And Business Idea Solution Platforms	SILVER	
11	Indonesia	Immigration Polytechnic, Ministry of Law and Human Rights of the Republic of Indonesia	Regita Cahyani Rahmat	IN-Entry (Indonesian Eazy Inter marriage Administration Application) As A Breakthrough To Simplify The Administration For Inter marriage Case In Indonesia	BRONZE	
12	Malaysia	National Defense University of Malaysia	Nora Ibrahim	Patriotism: New Integration Model of Human Dimension with Military Minds among Malaysian Armed Forces	BRONZE	
13	Romania	Faculty Engineering of Hunedoara, Politehnica University of Timisoara, Hunedoara, Romania	Bucur Flavius	INFLUENCE OF THE CHEMICAL COMPOSITION ON THE HARDNESS OF THE BRAKE SHOES OF THE RAILWAY ROLLING STOCK	BRONZE	

PHYSIC

Senior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	Kesatuan Bangsa Bilingual Boarding School	Zaffika Zufanka	R-ATM For Helping Others During Pandemic	GOLD	dokja sa
2	Việt Nam	Bach Khoa Math and Science Club	Le Ba Loc	WRC – Wifi-controlled River Clean-bot	GOLD	iysa sa
3	Turkey	Buca Municipality Buca Science and Art Center	Aslı Karataş	Investigation of Conductance Quantization with a Simple Interferometer System and Measurement of Displacement at Microscale	SILVER	
4	Thailand	Princess Chulabhorn Science High School Satun	Aleef Samalo	Smart Electric Wheelchair	SILVER	

University

No	Country	School Name	Leader Team Name	Project Title	Medals	
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1	Indonesia	UIN Sunan Kalijaga Yogyakarta	Farahdina Zain	Computational Study of Surface Plasmon Resonance (SPR) Biosensors for Heavy Metal Detection	GOLD	myso sa
2	Indonesia	Universitas Pekalongan	Ardhi Nur Ikhsan	DRYKLY (Dryer Quickly for Fish) : Smart Innovation of Temperature Control System in Fish Dryer Quickly Based on ATmega8535 Microcontroller	GOLD	iysa sa

LIFE SCIENCE

Elementary

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	MALAYSIA	SEKOLAH JENIS KEBANGSAAN TAMIL PUCHONG (SJKT PUCHONG)	SAMEER ADITHYA RAJ SUNDAR RAJ	ORGANIC FOOD CLEANSER	GOLD	IYSA SEMI GRAND AWARD: FREE REGISTRASI I2ASPO 2022
2	MALAYSIA	SEKOLAH JENIS KEBANGSAAN TAMIL KARAK	SHARVARESH NAIR S/O GUNA SEGARAN	HERBAL MASK	GOLD	
3	Philippines	TAGUIG INTEGRATED SCHOOL	Maefleur Allea O. Beltran	PLC(Papaya ,Lemon, Coconut Oil) Moisturizing and Anti-Bacterial Soap	GOLD	
4	Philippines	TAGUIG INTEGRATED SCHOOL	YCELLE KHATE C. LANDICHO	THE WONDERS OF MORDANTS	GOLD	
5	Malaysia	SJKT LADANG MENTERI	JIVAROSHAAN A/L DURAISAMI	FERTILIZER	GOLD	
6	MALAYSIA	SJKT MAHATHMA GANDHI KALASALAI	ASWEETHASREE D/O KALAIVANAN	AUTO HAND WASH	SILVER	
7	MALAYSIA	SJKT LADANG MENTAKAB	GAYATHIRI A/P RAMAN	LEAF FOR LIFE	SILVER	
8	South Korea	Seoul Apgujong Elementary School.	Ryan Kim	COVID-19 Game	SILVER	
9	Puerto Rico	Escuela Secundaria Especializada en Clencia Matemática y Tecnología	Angel Pagán Vicente	The Relation Between High Cholesterol and Coronary Artery Disease	SILVER	

Junior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Philippines	Shalom Crest Wizard Academy	Lyanne Thomas Haw Jover	BB Patch-Ointment: Buro Bitoon BioCure for Inflammation and a Potential Anti-tumor Agent	GOLD	IYSA SEMI GRAND AWARD I2ASPO 2022
2	Republic of Korea	Daegu International School	Seoyun Lee	Developing a Sensitive, Papain-Based Method that Colorimetrically Detects Glucose	GOLD	IYSA SEMI GRAND AWARD ISIF 2022

3	Indonesia	SMP Negeri 3 Denpasar dan SMA Negeri 3 Denpasar	Made Raditya Ari Saputra	RAZA Noodle (Bruguiera gymnorrhiza and Glycne max) As an Immune System Booster	GOLD	
4	MALAYSIA	SMA AL-MAARIF	SALSABILA BINTI AZRIZULAZMI	LAWSONIA ECO-PLATING	SILVER	
5	Indonesia	SMP H. ISRIATI SEMARANG	Khalishah Azka Anandhita	THE EFFECTIVENESS OF UTILIZING HOUSEHOLD WASTE OF ORANGE PEEL WITH HABBATUSSAUDA LEAVES EXTRACT TO BECOME ECO ENZYM FOR FLOOR CLEANER	SILVER	
6	Iran	Kherad	Maryam Mazinani	A review of human brain plasticity and brain-based learning	SILVER	

Senior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	SMA Kesatuan Bangsa	Anindya Zahra Nugrahningrum	BITES : Biscuits for Toddlers To Prevent Stunting	GOLD	dokja sa
2	Indonesia	SMA TRENSAINS MUHAMMADIYAH SRAGEN	ELNINO PROFETIKA ZARATHRUSTRA	BAPABRIQ (The Utilization of Bamboo Waste (Bambusa Sp.) Briquettes with an Addition of Pandanus (Pandanus amaryllifolius) as a Flies Repellent)	GOLD	dokja sa
3	Indonesia	SMA AVICENNA CINERE	Haekal Ode Kelana	MORELA: NATURALLY BEAUTIFUL KILLER	GOLD	IYSA SEMI GRAND AWARD : FREE REGISTRASI ISIF 2022
4	Indonesia	SMA Negeri 3 Semarang	Rafa Aditya Reyfaza	BETLETRACT : Piper Betle Leaf Extracts to Decrease the Number of Dengue Fever Incidence	GOLD	
5	Thailand	Surawiwat School, Suranaree University of Technology	Mr. Natanon Dungthaisong	Culture medium containing nitrogen sources from biodegradation chicken feather by soil bacteria	GOLD	
6	Indonesia	SMA Negeri 1 Wates	NATASYA FITRI SUSANTI	Effectiveness of Avocado Seeds (Persea americana Mill.) as Hypolipidemic Ingredients in Terms of Liver Histopathology and Weight of Hypercholesterolemia Mice	GOLD	
7	Indonesia	MAN 3 SLEMAN	Nur Atikah Fatin	"Butterfly Detector Spray" : The Potential of Oxalis triangularis to Detect Formalin and Borax in Food	GOLD	
8	Thailand	Surawiwat School, Suranaree University of Technology	Miss Alisa Chanpricharat	Extraction and Purification of Cannabidiol from Hemp	GOLD	
9	Indonesia	Thursina International Islamic Boarding School	Yefira Celin	The effect of Treece on reducing hair loss	GOLD	

10	Indonesia	SMA NEGERI 3 DENPASAR	I Made Adi Wijaya Putra	Cirata Patch: ANTISEPTIC AND AROMA THERAPY MASK PATCH FROM ORANGE PEEL (<i>Citrus sp.</i>) and CANANGA (<i>Cananga odorata</i>)	GOLD	
11	Thailand	Surawiwat School, Suranaree University of Technology	Miss Thanchanok Siriphetsombut	Antibacterial activity of Galangin plus Vancomycin against drug resistant bacteria	GOLD	
12	Philippines	Philippine Science High School - Main Campus	Janssen Reign B. Peña	In silico identification and physicochemical analysis of potential novel antimicrobial peptides from <i>Momordica charantia</i> L.	GOLD	
13	Thailand	Surawiwat School, Suranaree University of Technology	Thanyathorn Ariyajaroenwong	Extraction and Characterization of Antimicrobial from <i>Streptomyces sp.</i>	SILVER	
14	Indonesia	SMA Avicenna Cinere	Talitha Keisha Almeira	Puding PaUs BoBin : scientific innovation in healthy food	SILVER	
15	South Korea	Dulwich College Seoul	Eugene Shim	A Novel Rapid Detection Method of <i>Escherichia coli</i> using PCR-based Nucleic Acid Amplification Using pH-sensitive Dyes	SILVER	
16	Thailand	Surawiwat School, Suranaree University of Technology	Suwapitcha Phonporton	The study of mycelium growth on cardboard using hydrogen peroxide to sterilize for processing	SILVER	
17	Thailand	Sakolrajwittayanukul	Kwanjira Hohoomdee	Development of properties of reed strands in the production of nano-zinc oxide reed mats stained with natural dyes from shellac powder.	SILVER	
18	Thailand	Sakolrajwittayanukul School	Ramida Khunpramuang	The study on the effect of an extract from Apple snail's eggs on the growth of Sakhonnakhon's Nangnoi silkworm and quality of silk.	SILVER	
19	USA	West Windsor-Plainsboro High School North	Jihong Jung	New Insights into Thyroid Hormone Replacement Therapy: Gene Network Analysis of DIO2	SILVER	
20	Thailand	Surawiwat School, Suranaree University of Technology	Mr. Thanabordin Pinvanichkool	Study of sugar content from different ratio of Broken rice to Malted barley in mashing process.	SILVER	
21	Thailand	Sakolrajwittayanukul school	Supakit Tonglamai	Development of Latent Fingerprints Detection kit on non-porous wet objects by using zinc oxide mixed with natural surface tension.	SILVER	
22	Thailand	Princess Chulabhorn Science High School Satun	Assara Sake	Study the properties of the mulch film from corn cobs.	SILVER	

23	Thailand	Princess Chulabhorn Science High School Satun	Mr. Na-eem Malikunsalam	Film from polyvinyl alcohol and copper sulfate for bleaching powder testing	SILVER	
24	Thailand	Surawiwat School, Suranaree University of Technology	Thanawaphan Supamitpiboon	Evolutionary and Structural Analysis of Glycoside Hydrolase (GH) Family 116 Enzymes	SILVER	
25	Thailand	Surawiwat School, Suranaree University of Technology	Techit Tangadulrat	Comparison of antibacterial effect of silver nanoparticles synthesized by Allium tuberosum and Ipomoea aquatica	SILVER	
26	Thailand	Princess Chulabhorn Science High School Nakhon Si Thammarat	Kornchanok Soonkammarat	Elastic to fix the problem of shoulder joints stuck from elastic Band	SILVER	
27	Thailand	Surawiwat School, Suranaree University of Technology	Miss Nutticha Prawannago	Searching for bioactive compounds in Piper which inhibit the binding of TNF-alpha receptors.	SILVER	
28	Thailand	Sakolrajwittayanukul	Paphawich Sapthanaphong	Recipe development for Cultivation of Golden Cordyceps Mushrooms. The duckweed was used as a supplement and disinfected with hydrogen peroxide.	SILVER	
29	Thailand	Princess Chulabhorn Science High School Satun	Pichaya chinphong	Animal Casts, Gel from rubber compound and PVA	SILVER	
30	Thailand	Princess Chulabhorn Science High School Satun	Ms.Balgis Thonglom	A Study of the Reduction of Spoilage of Splendid Squid (Loligo duvauceli) by Using Tannin Extraction from Banana Peels at Different Maturation Levels.	SILVER	
31	Indonesia	Raffles Christian School Pondok Indah	Minjoon Hur	Eco-friendly homemade face packs for maskne	SILVER	
32	Thailand	Princess chulabhorn science high school satun	Miss Premprapa Jermkwan	Hemostatic wound Dressing Pads from PVA and chitosan Containing Psidium guajava(L.)Leaves and Chromolaena odorata(L.)Leaves ,and test the performance of pads	BRONZ E	
33	Indonesia	SMA Negeri 1 Medan	Karina Chandra	Edible Water ; The Future Packaging Generation	BRONZ E	
34	Thailand	Demonstration School Prince of Songkla University	Amarn Sama-ae	The Optimization of vermicompost with Effective Microorganisms (EM)	BRONZ E	

University

No	Country	School Name	Leader Team Name	Project Title	Medals	
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1	Indonesia	Universitas Diponegoro	Kevin Christian Tjandra	THE EFFECT OF GREEN MUSSEL (PERNA VIRIDIS) SHELLS HYDROXYAPATITE APPLICATION ON OSTEOCALCIN LEVELS IN RABBIT FEMUR BONE DEFECT	GOLD	Fakultas Sains dan Teknologi UIN Sunan Kalijaga Special Award, fully funded aiseef 2023
2	Indonesia	UNIVERSITAS MUSLIM INDONESIA	ANDI IRMA YUNIAR	The Potential of Sumbawa Herbal Oil Based Oleogel as Burn Wound Dressing	GOLD	dokja sa
3	Indonesia	State Islamic University of Sunan Kalijaga	Aldy Rahman Dharma Putra Sanjaya	BETLEGUM : Jelly-based chewing gum with the addition of betel leaf extract (Piper betle L.) as an anti-Streptococcus mutans that causes caries on the teeth.	GOLD	iysa sa
4	México	Universidad Politécnica de Guanajuato	Gresia Lisset Cervantes Navarro	Development of a composite material based on polyanine and SCOB cellulose for biomedical applications	GOLD	IYSA SEMI GRAND AWARD : FREE REGISTRATIO N WICE 2022
5	Indonesia	Brawijaya University	M. Dilan Linoval	Medical Mask KF94 Modified Peppermint Essential Oil and Green Shell Nanochitosan Integrated Internet of Things for Respiratory Monitoring Medical Staffs	GOLD	
6	Indonesia	Brawijaya University	Hildatussyarifah	"YOGURT NANO CALCIUM INNOVATION AS A PREVENTION OF HYPERCHOLESTEROLEMIA : IN VIVO STUDY"	GOLD	
7	Indonesia	Brawijaya University	Faris Febrian Hadinata	SILICA SAND AEROGEL : AEROGEL MADE OF SAND SEA AS ADSORBENT TO OVERCOME MARINE POLLUTION BY OIL SPILL	GOLD	
8	Indonesia	Brawijaya University	Alifianti Shinta PP	Minimal Risk Breast Cancer Treatment Method With the Application of Technology and the Use of Big Data	GOLD	
9	Indonesia	Andalas University	Rahmadini Aulia	Cresby Spray: Combination of Ruku-Ruku and Serai Wangi Extract in Spray as Bioinsecticide and Covid-19 Therapy	GOLD	
10	Indonesia	Institut Teknologi Sumatera	Liza Chairina Balchya Lubis	Eco-friendly House: Passive Cooling Structure Inspired by Termites	GOLD	
11	Indonesia	Lampung University	Muhammad Rian Hidayat	Sprant : An Innovation of Biological Insecticide from Cockroach for Ant Pest	GOLD	
12	Indonesia	Brawijaya University	Paundra josandava tauhid	Utilization of Banana Peel (Musa Paradisiaca) as "Sapadent" Antibacterial Toothpaste	GOLD	
13	Indonesia	Sriwijaya University	Rafli Fandu Ramadhani	HECOFIT : Healthy Cork Fishbone Biscuits	GOLD	

14	Indonesia	Brawijaya University	Faisal Ahlan Rizaldi	Nanoliquid Glycosides from Kebeen Seeds as E-Cigarette Liquid for Oral Cancer Therapy, Free Radical Neutralizer, Breath Freshener, and Eco-Friendly Smoke	SILVER	
15	Indonesia	UIN Sunan Gunung Djati Bandung	Rd Indah Rofiah Al Zahro	BASO KECAB As Formulation For Mugholadhoh Najis Remover	SILVER	
16	Indonesia	Universitas Negeri Jakarta	Dina Chairunissa	Reinforcement Training Model for "T" Kick Technique using Rubber Tools in Pencak Silat Putra Sangaran Community	SILVER	
17	Indonesia	UIN Sunan Kalijaga Yogyakarta	Zidni Amaliyatul Hidayah	PLANT ETNOMEDISIN WITH ANTI-HYPERTENSION AND INFLAMMATION EFFECTS IN GERBOSARI VILLAGE, KULON PROGO YOGYAKARTA	SILVER	
18	Indonesia	Diponegoro University	Ahadiah Nurul Ifada	Aromatherapy Candle from Curcuma phaeocaulis Essential Oils and Palm Oil Tree Waste as Blood Activating and Stasis Resolving Herbs for Reducing Dysmenorrhea	SILVER	

ENVIRONMENT

Elementary

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	MALAYSIA	SJKT TAMAN PERMATA	VAISHNAVI A/P KARNAGARAN	DEGRADABLE GARDENING BAG	GOLD	IYSA SEMI GRAND AWARD FREE REGISTRASI IIIEX 2022
2	MALAYSIA	SJKT TAMAN PERMATA	KAAMYASHREE A/P JAYAKUMAR	2 IN 1 LOOFAH HERBAL SOAP	GOLD	
3	MALAYSIA	SJKT TAMAN PERMATA	SHAMALAN SRI VIJAYAN	ZERO WASTE HEAT INSULATOR	GOLD	
4	South Korea	Seoul Academy International School/ Yongsan International School of Seoul	Jisang Bahk	Save the Planet From Trash!	SILVER	IYSA SEMI GRAND AWARD FREE REGISTRASI IIIEX 2022

Junior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Philippines	Shalom Crest Wizard Academy	Lyanne Thomas Haw Jover	FLAGCRETE: Fly ash and Fine Powder Glass as an Alternative Aggregate and Binding Agent in Concrete Hollow Blocks	GOLD	IYSA SEMI GRAND AWARD FREE REGISTRASI WICE 2022
2	MALAYSIA	SMA AL-MAARIF	NURUL IMAN BINTI ABDUL RAZAK	HAIRY FROM WASTE TO WEALTH	GOLD	

3	Philippines	TAGUIG INTEGRATED SCHOOL	Jacques Nikoli S. Landicho	Fiberboard (Lawanit) out of Plastic Waste and Dry Leaves	GOLD	
4	IRAN	KHERAD	Maryam Mazinani	Removal of Water Pollutants Using Carbon Quantum Dots and Titanium Dioxide Composite	BRONZE	
5	INDIA	Sou. A.K. Joshi English Medium School Thane, INDIA	Master Nilabh Shejwalkar	Mask Bricks	BRONZE	

Senior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	SMAN DARUSSHOLAH SINGOJURUH	LAELA VITA IMELDA	EXTRACTION OF SIAM ORANGE PEEL AS STYROFOAM DESTROYER IN AN EFFORT TO SAVE THE WORLD FROM THE WASTE PROBLEM	GOLD	myso sa
2	Indonesia	SMA NEGERI 1 KUTA	I Made Rai Natha Prana Gita	POSLEK (Potato Skins and Ylang Flowers) Soap as an Environmentally Friendly Product Innovation through Processing Waste Potato Skins and Ylang Flowers	GOLD	myso sa
3	Indonesia	SMA Kesatuan Bangsa	Raissa Sharfa Rosse	Wipelle	GOLD	iysa sa
4	Indonesia	MAN 3 KOTA PALEMBANG	Syailendra Purwanto	PERUBAHAN AIR SUNGAI MUSI AKIBAT AKTIFITAS INDUSTRI (STUDI KASUS KECAMATAN KERTAPATI PALEMBANG)	GOLD	dokja sa, uang tunai 1 jt
5	Indonesia	MAN 3 KOTA PALEMBANG	Kharima Yasmin	BIOREMEDIASI AIR ASAM TAMBANG BATUBARA DENGAN PENGAYAAN BAKTERI PEREDUKSI SULFAT DAN PENAMBAHAN SUBSTRAT ORGANIK	GOLD	dokja sa
6	Indonesia	MAN 3 PALEMBANG	M. Rizky Anugrah Pratama	PEMANFAATAN ARANG AKTIF KULIT DURIAN (Durio zibethinus Murr) DALAM UPAYA MENINGKATKAN ADSORPSI KROMIUM (Cr6+) PADA LIMBAH JUMPUTAN	GOLD	myso sa
7	Indonesia	Hidayatullah Islamic Senior High School Semarang	Labitta Auliyaa	Suppression Dengue larvae transmission through "By Bantiole Bye Dengue" from banana leaves petiole	GOLD	myso sa
8	Indonesia	SMA TRENSAINS MUHAMMADIYAH SRAGEN	AHMAD MORTEZA WIDJANARKO	Anti-termite paper from peanut shell waste with the addition of lemongrass extract	GOLD	iysa sa
9	Indonesia	Senior High School one kuta	Kadek Ardelia Dwi Aprily	OZERTEEN (Organic Fertilizer from Washing Water Chicken Meet and Mangosteen Peel) for Aloe vera plant grow	GOLD	dokja sa

10	Indonesia	SMKN 6 Malang	Novi Ayu Wulandari	WASTE RECYCLING STORE AS A VEHICLE OF EDUCATION AND IMPROVING THE COMMUNITY'S ECONOMY	GOLD	dokja sa+AA125:H130
11	Thailand	Surawiwat School, Suranaree University of Technology	Miss Papawarin Maikla	The study of chicken feathers waste degradation by soil bacteria	GOLD	IYSA SEMI GRAND AWARD FREE REGISTRASI IIIEX 2022
12	Thailand	Mahidol Wittayanusorn School	Passanan Thungprue	Development of high sensitivity portable test kit for multiple detection of metal ions with minimal amount analysis towards environmental awareness	GOLD	IYSA SEMI GRAND AWARD FREE REGISTRASI I2ASPO 2022
13	Philippines	Misamis Occidental National High School	Winona Lianne B. Romero	Biofiltration Prototype: Utilization of Nipa Fruit Shell Fiber (<i>Nypa fruticans</i> Wurmb.) as a Percolating Agent for Bio-Face Mask	GOLD	IYSA SA
14	Thailand	Sakolrajwittayanukul	Benyarpar Namprakai	The Efficacy Of Foam Dissolution Using Extracts From Thammang Leaves	GOLD	IYSA SA
15	Thailand	Sakolrajwittayanukul	Putpitchaya Kittiwararit	The optimization of Firefighting Protein foam from Water Hyacinth by Nano-Zinc Oxide	GOLD	
16	Thailand	Sakolrajwittayanukul	Apilak Saikhao	Development of bio-measuring devices based on biofilm for concentration determination of hydrogen peroxide for applications to determine the concentration of copper (II) ions.	GOLD	
17	Indonesia	Harapan 1 Medan Senior High School	Keisyha Ayu Larasati	Utilization of Onion and Garlic Peel Waste as an Environmentally Friendly Natural Pesticide for Plant Pest Control in Humbang Hasundutan Regency, North Sumatra	GOLD	
18	Indonesia	Semesta Bilingual Boarding School	Nadya Paramitha Ambarsari	Effectiveness of Moss Logs with Nanoencapsulated Coatings in Seawater Bioremediation Process Waters of Tambak Lorok Semarang from Microplastic Contamination	GOLD	
19	MALAYSIA	SMK DENGKIL	LOGA DHARRSEN JEGATHISAN	ZERO WASTE FIRE STARTER	GOLD	
20	Thailand	Princess Chulabhorn Science High School Satun	Nattawat Saardkeaw	Pulp-fiber for slowing down the anthracnose in mango from oil palm leaves' fiber and leftover palm oil bunches' fiber	GOLD	
21	Indonesia	MAN 3 Sleman	Muhammad Damar Setyo Kumoro	Lunar Soils : The Innovation of black soils from charcoal, egg shell, and moonflower (<i>Tithonia diversifolia</i>)	GOLD	

22	Thailand	Princess Chulabhorn Science High School Satun	Phatthanan Phromsuwan	3 in 1 wallpaper from rubber tree and UHT milk carton	SILVER	
23	Thailand	Princess Chulabhorn Science High School Satun	Natkida Chaiwong	Benthic Survey at Thung Sabo Beach, Thung Bu Lang Subdistrict, Thung Wa District, Satun Province	SILVER	
24	Thailand	Princess Chulabhorn Science High School Satun	Chalisa Kepan	Physical changes affecting adaptation of Avicennia SP. in mangrove forests.	SILVER	
25	Kazakhstan	Nazarbaev intellectual school of physics and mathematics in Kokshetau	Khadisha Salemova	Food waste recycling smart system	SILVER	
26	Malaysia	SMK METHODIST ACS KLANG	JEEVESH A/L ACHUTHAN	Home made fertigation system	BRONZ E	
27	United Arab Emirates	Applied Technology High School Ras Al Khaimah	Furat Jasim	Portable Grey Water Recycler with Arduino	BRONZ E	
28	Macedonia MK	Doza srekja Macedonia MK	Viktorija Blazevska	The action of the active components of certian herbal plant as adjunctive therapy in people with lung cancer	BRONZ E	

University

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	Universitas Islam Riau (Islamic University of Riau)	Al Fikri	Utilization of Coconut Shell Ash as a Substitute for Cement on the Compressive Strength and Tensile Strength of Concrete	GOLD	iysa sa
2	Indonesia	Ahmad Dahlan University	ROYAN AGIL NUGROHO	ITRASH APP(Internet For Trash Application):Smart Solution For Garbage Transporter Based On Economic Creative	GOLD	iysa sa
3	Indonesia	Universitas Ahmad Dahlan	Umair	Uwuh Jam: Innovation to Utilize "UWUH" into Ready-to-eat Food and Beverages.	GOLD	iysa sa
4	Indonesia	Ganesha University of Education	G. Ngurah Oka Anggadipa	Fragrant Beauty: Natural Parfume Innovation Based on Ceremonial Waste to Optimize Zero Waste	GOLD	myso sa
5	Indonesia	Ahmad Dahlan University	Imam Mahdi	Paving from used mask is an alternative solution for reducing enviromental harm	GOLD	dokja sa
6	Indonesia	AKADEMI KEPOLISIAN	NI PUTU AYU RATNA DEWI	The Utilization OArduino Sengon Tree as an Early Warning of Landslide Detector	GOLD	myso sa
7	Indonesia	Diponegoro University	Muhammad Toni Setiawan	E-BioSpy (Energy from Biomass of Spirogyra): Utilization of Spirogyra sp. Biomass Using Instant Yeast as a Household Alternative Energy Source	GOLD	

8	Indonesia	Universitas Brawijaya	Sulistina	Optimizing the Potential of Bagasse (Saccharum officinarum) as a Gastile (Environmentally Friendly Roof) for Indonesia Towards an Innovative Industry	GOLD	
9	Indonesia	Brawijaya University	Faris Febrian Hadinata	innovation of bamboo leaves nanocellulose and green scallop chitosan as edible film to protect fruits from spoilage practically and economically	GOLD	
10	Indonesia	BRAWIJAYA UNIVERSITY	Ahmad Natiq	MINI-FRESTO (Mini Fresh Storage): Innovation of Carbon Fiber-Based Food Storage Equipment as an Alternative to Freon Refrigerators to Prevent the Greenhouse Effect and Damage to the Ozone Layer as an Effort in Realizing the 2030 Sustainable Development Goals	SILVER	
11	Indonesia	Universitas Islam Zainul Hasan Genggong Probolinggo	Selvia Devi Agustin	THE USE OF NONI FRUIT INTO HERBAL CANDY AND HAS A HIGH SELLING.	SILVER	
12	Indonesia	Brawijaya University	Muhammad Nazri Adlani Wahidun	The Synthesis of Papaya and Orange Leaves as Orange Plant Biopesticides in the Cultivation Environment of Boro Tretes Village to Sustain SDGs 2030 Program	SILVER	
13	Indonesia	Airlangga University	I Made Dwi Mertha Adnyana	Efficacy of Parasayu incense ash as a Larvicide for the Eradication of Aedes aegypti (Diptera: Culicidae) Mosquito Larvae	SILVER	
14	Indonesia	Brawijaya University	Berliana Nisfa L	Android Based Sterilizer and Coating Tools for Fruit and Vegetable to Increase Fruit's Shelf Life	SILVER	
15	Indonesia	Brawijaya University	Siti Nur Aisyah	Strengthening Soil Structure With Ureolitic Bacteria with Microbiologically Induced Calcite Precipitation Concept	SILVER	
16	Indonesia	UIN Sunan Kalijaga	Jihan Rahmi Nabila	Bioderan : Bio-Detergent from Leaf Skin Extract of Aloe Vera and Papai	BRONZE	
17	United States of America	University of Connecticut	Maritza Alejandra Sanchez	Development of a sustainable fuel cell for the generation of clean energy through the treatment of polluted river wastewater	BRONZE	

ENERGY AND ENGINEERING

University

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Malaysia	KOLEJ KEMAHIRAN TINGGI MARA SRI GADING	AHMAD ZAFRIE BIN ABDUL RAZIEF	Chaff Lime Wall Insulation	GOLD	
2	Indonesia	Yogyakarta State University	Khozain Khoiriyah	Nanocomposite Catalyst of Fe ₃ O ₄ -rGO from Paper Waste as Counter Electrode Replacement Pt in DSSC.	GOLD	
3	Indonesia	Brawijaya University	Zainurrohman Prastomo	POGY (Poop's Energy): Human Feces-Based Charging Station for Electric Vehicle to Sustain SDGs 2030 Program	SILVER	
4	Indonesia	Brawijaya University	Lina Nurroin	Eco-friendly Electric Generator to Achieve SDGs point 7 in Indonesia	SILVER	
5	Indonesia	Yogyakarta State University	Ahmad Rizal Rifani	(SOLAR BLINDS) SOLAR CELL ENERGY DOPING TiO ₂ AS SELF CLEANING BUILDING CURTAINS	SILVER	
6	Romania	Faculty of Engineering Hunedoara, Politechnica University of Timisoara, Hunedoara, Romania	Lupu Oana	VALORIFICATION OF FERROUS SLUDGES RESULTING FROM THE STEEL INDUSTRY	BRONZE	

Senior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	SMAN DARUSSHOLAH SINGOJURUH	ILHAM MUZAKI	PHOTOVOLTAIC AND PIEZOELEKTRIK BASED E-TREEDEN DESIGN AS AN ALTERNATIVE GENERATING SOURCE ELECTRIC SHAPED TREE ORNAMENTS IN THE COASTAL AREA	GOLD	iysa sa, iysa semi grand award : free registrasi aiseef 2023, Fakultas Sains dan Teknologi UIN Sunan Kalijaga Special Award
2	MALAYSIA	SM SAINS TUN SYED SHEH SHAHABUDIN	ZAHIN IRDINA BINTI MOHD ZABIDY	ZERO TO HERO- ALGAE ADDFUEL	GOLD	
3	Indonesia	MAN SIDOARJO	SHOFIYAH FITHROTIN	Bioelectricity from Lapindo Mud (Bio-L) as an Effort to Provide Renewable Energy Sources using Solar Cell technology and Microbial Fuel Cells (MFCs) Method	GOLD	
4	Thailand	Princess Chulabhorn Science High School Satun	Assana sake	Biomass Sugar Battery	SILVER	
5	Thailand	Princess Chulabhorn Science High School Satun	Nasreen Dangkong	4 in 1 Agricultural Machinery	SILVER	

6	Thailand	Surawiwat School, Suranaree University of Technology	Mr. Naradol Pibul	Adjustment base for knee X-ray positioning.	SILVER	
7	Thailand	Rajsima Witthayalai School (SCiUS- Suranaree University of Technology)	Assoc. Prof. Dr. Malee Tangsathitkulchai	Predictive equation and practical test to evaluate the unconfined compressive strength of the soil-cement column	BRONZ E	

Junior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	MTsN 6 Sleman	Helmi Akbar Alauddin	TSANDIESTA	BRONZ E	

Elementary

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	South Korea	Dulwich College Seoul / Chadwick International / Kyonggi Elementary School/ Seoul Foreign School	Ha Ram Kim	From Fossil Fuel to Clean Energy	SILVER	

MATHEMATICS

Junior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Serbia	"REGIONAL CENTER FOR YOUNG TALENTS NIKOLA TESLA BELGRADE"	NIKOLA SRZENTIC	Symmetry groups of Platonic solids	GOLD	IYSA SEMI GRAND AWARD : FREE REGISTRASI ISIF 2022

Senior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Philippines	Philippine Science High School- Main Campus	Hanielle Jermayn E. Chua	Reduction of Traffic Congestion in España Boulevard Using Graph Theory	GOLD	
2	Thailand	Surawiwat School, Suranaree University of Technology	Miss Anlipreeya Namuangruk	Solving Mathematics Problems Related to Recurrence Relations	GOLD	
3	Indonesia	MAN 3 SLEMAN	Najwa Shahinsha	The Ethnomathematics Analysis at Jogja Kembali Monument as Educational Tourism.	GOLD	
4	Thailand	Princess Chulabhorn Science High School Satun	Miss Napat Tipkonglad	The comparison of the maximum and the minimum numbers of plays in sprout games	SILVER	
5	Thailand	Princess Chulabhorn Science High School Satun	Miss Pukpasut Kantrakon	The Smallest Triangle Containing a Given Rectangle	SILVER	

6	Thailand	Princess Chulabhorn Science High School Satun	Mr.Norawit Kantawitwong	The arrangement of circles in geometry and shapes.	SILVER	
7	Thailand	Princess Chulabhorn Science High School Satun	Supitcha Preechahan	The relationship between mobile phone usage and the age of people who lives in La-ngu (before and during COVID-19 outbreak).	SILVER	
8	SERBIA	"REGIONAL CENTER FOR YOUNG TALENTS NIKOLA TESLA BELGRADE"	NIKOLA SRZENTIC	The trigonometry poem of Pythagorean triples	SILVER	
9	South Korea	Korean Minjok Leadership Academy	Seunghyun Lee	Research on Tracking Source Location of a Wave in a Non-homogeneous Medium	BRONZE	
10	Türkiye	Evrensel Collage	Bulent Isik	Digital Numbers	BRONZE	
11	Thailand	Princess Chulabhorn Science High School Satun	Mr. Nontanund Chintamekha	The Geometry Series Of Area Between Regular Polygons And Its Attached Circle	BRONZE	
12	Thailand	Princess chulabhorn science high school	Miss Thippapa Chenkunprasoot	The locus of the peak of projectile motion	BRONZE	

University

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Thailand	King Mongkut's University of Technology Thonburi	Miss Siriyakorn Yaisawang	A case study of agricultural B2B customer segmentation and association of agricultural products	GOLD	iysa sa, uang tunai 750.000
2	Indonesia	Ganesha University of Education	Ni Luh Puspa Pratiwi	Soulmath: Implementation of Ethnomathematics in QR Code Base On Pop-Up Books to Improve Ability to Recognize Flat Shapes in Mild Mentally Impaired Children	SILVER	
3	Indonesia	Institut Pendidikan Indonesia	Ilham Ali Robbani	Ilhametic Conjecture: The Root System of Modern Mathematics	SILVER	
4	Thailand	Suranaree University of Technology	SUCHADA CHEERAPATIYUT	Application of Image Processing and Machine Learning for Abnormal Vertebrae Classification	SILVER	

EDUCATION

Junior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	MTs Sunan Pandanaran	Danish Iqbal Arhaburizqi	Development of "CareCard" as An Educational Media for Bullying Prevention in The Junior High School Students	GOLD	

2	South Korea	North London Collegiate School Jeju	Se Hyun Park	Creating a Educational Coding Platform with Visualization	BRONZE	
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Senior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	Muhammadiyah 1 Taman	Rahma Erlinda Aprilia	DEVELOPMENT OF THE PROJECT HAND SANITIZER OCIMUM BASILICUM EXTRACT AS IMPLEMENTATION OF THE P5 INDEPENDENT CURRICULUM	GOLD	
2	Indonesia	Thursina IIBS Malang	Faiqul Faris Al Hakim	School Schedule Update Patch: Focusing On Sleep And Physical Activities	GOLD	
3	Indonesia	SMA NEGERI 2 PROBOLINGGO	BARUTAMA ALFATURRAHMANN	THE EFFECTIVENESS OF SMART 3D LENUZZLE IN IMPROVING THE INTELLIGENCE OF MENTALLY DISABLED CHILDREN	GOLD	
4	Indonesia	MAN 2 Sleman	Shabrina Fitra Azzahra	A Prototype of Large Indonesian Dictionary for visual impairment	SILVER	
5	Thailand	Matthayomkohmark School	Noppadon Laman	Studying flowers which appear in Thai literature	BRONZE	
6	Indonesia	SMA Avicenna Cinnere	Leony Arlita	Aplikasi "KuBan" Mengenal Wisata Kubah Emas dan Sumur Bandung Sebagai Upaya Literasi dan Wisata Sejarah di Wilayah Kota Depok	BRONZE	

University

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	UIN Sunan Gunung Djati Bandung	Ahmad Hafidz Fajrian	Smart Creativity Books - Learning Media for Culture Education	GOLD	
2	Indonesia	Universitas Hasanuddin	Samintang	Busy Board Educational Game: Means to Improve Fine Motor Skills for Intellectual Disability Students at SLB Negeri 1 Bone	GOLD	
3	Indonesia	Universitas Airlangga	Zefanya Kharisma Nugroho	SEEKER Inovation Education Program as an Effort to Eradicate Sexual Violence in School	GOLD	
4	Indonesia	UNIVERSITAS RIAU	Tengku Hamid Darmawan	PR DIGITAL: The Homework Book with Integrated QR Code for Students of Senior High School as an Implementation of Digital Literacy 4.0	GOLD	
5	Indonesia	Jenderal Soedirman University	Balqist Kharisma Nayu	VACCINN (VIRTUAL ANIMATED COVID-19 EDUCATION IN NEW NORMAL) TO OPTIMIZE THE USE OF DIGITAL MEDIA FOR HEALTH EDUCATION AMONG	GOLD	

				ELEMENTARY STUDENTS		
6	Indonesia	Yogyakarta State University	Firdha Yulfarima Zahrani	Seia Sekata: Proliferating Indonesian Language as an Approach to Manufacture Job Opportunity whilst Preserving Authentic Cultural Identity	GOLD	
7	Indonesia	Universitas Pendidikan Ganesha	Kadek Krisnina Maharani	RE APPS Renewable Energy Interactive Learning Media as The Effort to Strengthen The Understanding And The Utilization of Renewable Energy to Realize SDGs	GOLD	
8	Indonesia	Institut teknologi Sepuluh Nopember	Adnan Alamsyah	EXPAND: Accelerating Quality Education Through Advanced Application for Generating Golden Generation in Indonesia	GOLD	
9	Indonesia	Universitas Negeri Semarang	Maulana Junaedi	E-Smart Library: Cloud Storage Based Library Application as an effort to create Literacy Improvement for High School Students to Welcome Society 5 .0	GOLD	
10	Indonesia	University of Lampung	Imroah Laina Retno Mukti Kusuma	LARY: INNOVATION OF HISTORY LEARNING MEDIA BASED ON LOCAL HEROES IN LAMPUNG AS AN EFFORT TO INTEGRATE CHARACTER EDUCATION FOR THE GOLDEN GENERATION	GOLD	
11	Indonesia	Ganesha University Of Education	Luh Putriasih	Maksara Bali : Balinese Writing Application to Understanding Balinese Writing for Elementry School In Bali	GOLD	
12	Indonesia	Universitas Negeri Semarang	Rayhan Ahmed Fadilla	"MEKARSE": Inovasi Media Pembelajaran Interaktif Berbasis Augmented Reality (AR) Guna Meningkatkan Pemahaman Edukasi Seksual Pada Tingkat SMA 8 Negeri Semarang	GOLD	
13	Indonesia	Brawijaya University	Bianca Callista Iskandar	The Urgency of Cultivating Anti-Drug Culture in Students Based on the E Gallery Website as an Effort for a Drug-Free Indonesia	SILVER	
14	Indonesia	University of Semarang	Restu Aditia	TEPAT: FUN WAY TO LEARN INDONESIAN EQUIVALENT	SILVER	

15	Indonesia	Yogyakarta State University	Fahmi Kurniawan	Pocket Edu-Card: Truth Or Dare Play-Based Card Game as a Strategy to Improve Critical Thinking in Inflation Problems in Indonesia	BRONZE	
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TECHNOLOGY

Junior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Hong Kong	Island School, English Schools Foundation, Hong Kong SAR	Seung June Yoon	Building a Three-Dimensional Baseball Game with JavaScript	GOLD	IYSA SEMI GRAND AWARD FREE ONLINE REGISTRATION WICE 2022
2	Turkey	Buca Municipality Buca Science and Art Center	Hakan Taha Togay	LASER BASED, TWO-WAY PEOPLE COUNTING SYSTEM PROVIDING CROWD CONTROL IN PANDEMIC	SILVER	
3	IRAN	KHERAD	Maryam Mazinani	Nanotechnology in the Age of Space	SILVER	
4	Indonesia	SMP ISLAM AL AZHAR 26 YOGYAKARTA	Hughbertyan Maysaa Kariimi	Mimi's Biology Adventure - Educational Game to Help 8th Graders in Learning Body Anatomy at SMP Al Azhar 26 Yogyakarta	SILVER	

Senior High School

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	MAN 2 GRESIK	Nabilla Istiqomah	DR.CO (Detector Co) as Intelligent innovation of healthy air detection equipment	GOLD	myso sa, iysa semi grand award : free registrasi 12aspo 2022
2	Indonesia	SMAN 1 Lamongan	Safirah Afah Enzeli	A-BATIC (AUTOMATIC INCUBATOR WITH MOTION SENSOR) BASED IOT (INTERNET OF THINGS) TO INCREASE CHICKEN SEED PRODUCTION TO REALIZE PROSPEROUS BREEDERS	GOLD	miica sa, iysa semi grand award : free registrasi wice 2022 online, Fakultas Sains dan Teknologi UIN Sunan Kalijaga Special Award
3	Indonesia	SMA Darul Ulum 1 Unggulan BPPT Peterongan	Mahmudah	Design And Build A Multisystem-based Rice Insect Pest Trap	SILVER	
4	Thailand	Sakolrajwittayanukul School	Phonpitchayanan Wongkhemma	The design and construction of a conveyor based automatic sorting machine using a color scanner	SILVER	
5	Thailand	Sakolrajwittayanukul school	Pichamon Akkaban	Automatic Frog Machine	SILVER	
6	Thailand	Matthayomkohmark School	Mareena Lahkub	Betel nut cutting machine for the processing of betel nuts	SILVER	

7	Indonesia	MAN Sidoarjo	Sandy Prastyawan Nugraha	POTALENCE : IOT BASED WATER PUMP MONITORING SYSTEM AND ARTIFICIAL INTELLIGENCE AS THE SOLUTION FOR WATER EXPLOITATION IN URBAN AREA	SILVER	
8	thailand	Sakolrajwittayanukul	Pronrapat Lasopha	The Design and Development of Electricity Meters Based on the Principle of Thermal Conductivity of Metal Coils	SILVER	
9	Indonesia	SMA DARUL ULUM 1 UNGGULAN BPPT JOMBANG	SABRINA ROSSA LUNA ORVALA	Utilization of Solar Energy as Solar Panels for Hydroponic Plant Irrigation	SILVER	
10	Thailand	Mahidol Wittayanusorn School	Titat Uttawat	Hydrogen Sulfide (H2S) detection system in risky areas with real-time display via smartphone	SILVER	
11	THAILAND	SAKOLRAJWITTAYAN UKUL	Mingmada Maraming	NANO GLUE STICKS FROM RUBBER	SILVER	
12	Thailand	Princess Chulabhorn Science High School Satun	Natsinee Ruengsiri	iSupskin Artificial intelligence program analyzes basic skin diseases with CNN-Image classify.	SILVER	
13	Indonesia	SMAN 1 Semarang	Fauzan Ali Ramadhan	IMPI	BRONZE	
14	USA	Damien High School	Dohyun Kim	Improving Image Quality Using Deep Learning Based Super Resolution	BRONZE	
15	Thailand	Rajsima Withhayalai School (SCiUS-Suranaree University of Technology)	Assoc. Prof. Dr. Malee Tangsathitkulchai	Shape Detection and Classification of CT Images of Human Vertebrae by Fourier Coefficients	BRONZE	
16	USA	The United Nations International School Hanoi	Shawn Junwoo Lee	Community Service App	BRONZE	

University

No	Country	School Name	Leader Team Name	Project Title	Medals	
1	Indonesia	Diponegoro University	Linatul Khusna	Tuna Fisheries Preservative Innovation Based on N-TiO2 Photocatalyst and Ozone Technology	GOLD	dokja sa
2	Indonesia	Universitas Pendidikan Ganesha	Putu Dimas Pramudita	AR SUBAK	GOLD	iysa sa
3	Indonesia	Universitas Islam Negeri Syarif Hidayatullah Jakarta	Muhammad Hanan Azhar Jihaannuriy	Spatial Road Intelligence Mapping: Road Condition Detection using Computer Vision	GOLD	
4	Indonesia	Universitas Brawijaya	Lintang Dion Pangestu	Implementation of Drainblock System and Reactor Biofilter for Water Recycling to Establish Independent and Robust School: Application at SHS 1 Pacet, Mojokerto	GOLD	

5	Indonesia	Brawijaya University	Imas Hidayati	Smart Forest Monitoring Based on Wireless Sensor Network as Anticipation of Fires to Maintain Forest Conservation in Indonesia	GOLD	
6	Indonesia	Brawijaya University	Fanny Eka Putri	K-Nearest Neighbor (K-NN) Integrated IoT-Based Stroke Early Detection System	GOLD	
7	Indonesia	Brawijaya University	Faris Febrian Hadinata	Freshbuy: Acceleration Green Economy Post Pandemic Covid 19 Based on Mobile Application through Design Thinking Method	GOLD	
8	Indonesia	Brawijaya University	Muh Khadafi Kasim	Dehydrator Machine to Improve the Quality of Healthy Noodle SMEs Using Far-Infrared Technology and based on IoT	SILVER	
9	Indonesia	UNIVERSITAS ISLAM NEGERI SUNAN KALIJAGA	TIRTA AGUNG JATI	Audio Visual Based Flood Warning System	SILVER	
10	Indonesia	University of Jember	Lintang Budiarti	SCATODIOR (SMART CAMERA TOBACCO DESEASE IDENTIFICATOR) : TOBACCO DIESE IDENTIFICATION BASED ON ARTIFICIAL INTELLEAGENT	SILVER	
11	Indonesia	Brawijaya University	Bagus Chandra Ramadhan Gunawan	Development of Dairy Cattle Cages Based on IoT Macrocontroller Technolgy to Prevent FMD (Food and Mouth Diseases) to Create Sustainable Animal Husbandry 2030	SILVER	
12	Indonesia	University of Bengkulu	Zaza Nurahmadanti	Minaracation (MRI Image Analyser for Brain Tumor Detection)	SILVER	
13	Indonesia	Brawijaya University	Nur Marifatud Diniyah	JACKHEART: Wearable Cardiac Monitoring and Pacemaker for Arrythmia to Handling People With Heart Disease Outside The Hospital	SILVER	
14	Indonesia	Lampung university	Renaldy Jovanda	SI SELAM (SEJARAH LOKAL LAMPUNG) APLIKASI SEBAGAI MEDIA PEMBELAJARAN SEJARAH DALAM MENINGKATKAN KESADARAN SEJARAH LOKAL DI ERA 5.0	SILVER	
15	Indonesia	Brawijaya University	Muhammad Iqbal Ashari	Divo-Co, dry sterilized sputum chamber	SILVER	
16	Indonesia	Universitas Pendidikan Ganesha	I Gusti Nyoman Anton Surya Diputra	SAFHELD: Smart Safety Helmet Detector based on Yolov4-Tiny to Prevent Accident in Construction Area	SILVER	

17	Indonesia	Brawijaya University	Rizal Dhiya'ulhaq Walupi	Systema lot-based control system for (gryllidae sp.) rearing automation,	SILVER	
18	Indonesia	Universitas Negeri Semarang	Nurjaya	Rotche (Grow With Embrace): Smart Application for Investor and Startup Cooperation in Supporting Indonesia's Creative Economy	SILVER	
19	Indonesia	Universitas Pendidikan Ganesha	I Komang Yuda Muliawan	SIMOBI: SOLAR HYDROPONIC MONITORING SYSTEM BASED ON INTERNET OF THINGS (IOT)	SILVER	
20	Malaysia	Kolej Kemahiran Tinggi MARA Sri Gading	Nurul Asni Ashikin bt Abdul Gahni	JKR/Machintosh Probe Lifting Jack	SILVER	
21	Indonesia	BRAWIJAYA UNIVERSITY	Rayhan Andhika Fasya	TIRAY-TECH: INTEGRATED MULTIPLATFORM BASED ON GEOGRAPHIC INFORMATION SYSTEM AS PILOT PROJECT OF DIGITALIZATION BALI TOURISM	SILVER	
22	MALAYSIA	KOLEJ KEMAHIRAN TINGGI MARA SRI GADING	MUHAMMAD MIRZA BIN ROSLI	The innovation of safety line floor tape applicator	SILVER	
23	Indonesia	University of Brawijaya	AGUSTIN WILUJENG	"COAQI" Optimization Controller for Algae and Aquatic Plants Cultivation with IoT Apps-Based to Improve the Quality of Agricultural Products in Indonesia	SILVER	
24	Indonesia	Universitas Diponegoro	Alda Salsabilla	Mind Palace VR: Virtual Reality Oriented Hypnosis Induction To Grow Awareness of The Mental Health of Indonesian Community in Realizing Post Pandemic SDGs	BRONZE	
25	Indonesia	Universitas Pendidikan Ganesha, Bali	Kadek Yuda Wiryanatha	"PANCOR" Leakage Current Protection on the House Roof Frame	BRONZE	
26	Indonesia	Universitas Pendidikan Ganesha	Kadek Wira Adi Saputra	Electro Wand: An Arduino-Based Learning Practicum Tool for Electromagnetic Wave Detection	BRONZE	