



JURY BOARD OF DECISION LETTER

Indonesia International IoT Olympiad (I3O) 2022

Number : 032/DJ.IIIO/IYSA/V/2022

ABOUT DETERMINATION OF AWARD GOLD, SILVER, BRONZE AND SPECIAL AWARD INDONESIA INTERNATIONAL IOT OLYMPIAD (I3O)

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 Indonesia International Iot Olympiad (I3o) 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 Universitas Muria Kudus,
Kudus, Central Java on May 23, 2022

Board of Committee :

1. Deni Irawan, M.Pd (President of IYSA)
2. Prof. Dr. Ir. Tutuk Djoko Kusworo, M.Eng (Chief of Judge IIIO 2022)

President of IYSA



Deni Irawan, M.Pd

Innovative Science Elementary						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	Sk Convent 1 Klang	Malaysia	Sharvina Sekaran	Zodia Army	GOLD	IYSA SA
2	SJKT Pusat, Telok Datok, Banting, Malaysia	Malaysia	KAVINESH GANESAN	SMARTEST GAS LEAKAGE SENSOR (SGLS)	GOLD	
3	SD HJ. Isriati Baiturahman 1 Semarang	Indonesia	Dimas Rega Putra Rohim	STUDY OF EFFECTIVENESS OF USE ECO ENZYME AND PHOTOSYNTHETIC BACTERIA ON KANGKUNG (Ipomoea Aquatica)	SILVER	
4	SJKT SIMPANG MORIB (B)	Malaysia	DIVYASRI D/O MARIAPPAN	ORGANIC HYDROPONIC BOOSTER	BRONZE	
5	SJKT SIMPANG MORIB	Malaysia	NIMALESH S/O SIVAKUMAR	ALFALFA HYDRO FERTILIZER	BRONZE	
Innovative Science Secondary						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	Giresun Science School	TURKEY	NAZ ALAN	Microplastic Contamination and Seasonal Variation of Water Quality Parameters in Pelagic and Demersal Fishes	GOLD	FREE REGISTRATION ONLINE WSEEC 22
2	SMP Negeri 3 Denpasar	Indonesia	Ni Putu Eling Dharani	Sycada (Syzygium Aromaticum and Cananga Odorata) as a mosquito repellent.	GOLD	MIICA SA, UANG TUNAI 1JT
3	Senior High School 1 Kudus (SMAN 1 Kudus)	Indonesia	Gracia Christa Tiara Dewi	RICAYASA CANDY (Candy from Carica papaya Sap to Increase the Platelets of Dengue Fever Sufferers in Kudus)	GOLD	MIICA SA
4	SMA Negeri 1 Kaliwungu	Indonesia	Orchidia Ummu Tazkiah	Phyllus: Analog Rice Innovation from Porang Bulbs and Cuttlefish Bones Using an Environmentally Friendly Rice Extruder Machine	GOLD	
5	SEKOLAH SULTAN ALAM SHAH	MALAYSIA	ADIL HIROYUKI BIN AHMAD AZAMUDDIN	FLOODGO - Auto Flood Alert System	GOLD	
6	Sekolah Sultan Alam Shah	Malaysia	Hafiy Wafeeq Zarimin	Active Airflow Regulator for Car	GOLD	IYSA SA
7	Surawiwat school, Suranaree University of Technology	Thailand	Ms. Alisa Chanpricharat	Extraction and Purification of Cannabidiol from Hemp	GOLD	
8	SMA Negeri 1 Bangli	Indonesia	Komang Laura	"SOL-WIN" SURGICAL MASK WASTE TREATMENT SYSTEM USING WINOGRADSKY COLUMN METHOD WITH SOIL MICROBES CONSORTIUM	SILVER	MIICA SA
9	SMA TRENSAINS MUHAMMADIYAH SRAGEN	Indonesia	Alya Iffah Nur Kamila	Debestos (The Best Asbestos): Natural and Non-harmful Asbestos as a Substitute of Conventional Roof	SILVER	MYSO SA
10	PPMI ASSALAAM, Sukoharjo	Indonesia	Alwan Faa'iz Arifurrohman	SP-VT07 (surveillance plane with vertical take-off landing) as a remote reconnaissance in the national defense of military forces.	SILVER	MACEDONIA SA

11	SMA N 1 Semarang & SMA N 6 Semarang	Indonesia	Keisha Kirania Safitri	ROTI TANOS (Roof Tile Composite Titanium Dioxide)	SILVER	
12	Bach Khoa Math and Science Club	Việt Nam	Le Ba Loc	WRC - Wifi-controlled River Clean-bot	SILVER	
13	Surawiwat School, Suranaree University of Technology	Thailand	Miss Jidanee Meesuwan	The development of antioxidant body cream product from White crane flower and Aloe vera	SILVER	
14	SMP Islam Al Azhaar Tulungagung	Indonesia	Alvina Haliya Nafisha	BIOTHIES (Probiotic Smoothies as a Solution to Prevent Teenagers from Anemia and Increase Body Immunity in Pandemic Covid 19)	SILVER	
15	IARC	Iran	Saba heidarpour	Allelopathy brewed tea on vegetables that can be grown at home	SILVER	
16	Surawiwat School, Suranaree University of Technology	Thailand	Miss Thanchanok Siriphetsombut	Antibacterial activity of Galangin plus Vancomycin against drug resistant bacteria	SILVER	
17	Sekolah Tun Fatimah	Malaysia	Nur Syazwani Binti Abdullah	Anti Flood Smart Float (Anti-FSF)	SILVER	
18	SEKOLAH DATO' ABDUL RAZAK, SEREMBAN, MALAYSIA	MALAYSIA	IDRIS BIN BAHARI	King's Power-A Novel Green Synthesis of Carbon Materials from Renewable Resources for Zinc-Carbon Battery Applications.	SILVER	
19	Srinagarindra The Princess Mother School, Phuket	Thailand	Ms. Arisara Sontas	Removal of methylene blue dye using a wood ash composite starch cryogel	SILVER	
20	Srinagarindra The Princess Mother School, Phuket	Thailand	Miss Arisara Sontas	Effect of chicken meat and fish meat storage time on the incidence of volatile Nitrogen compounds for application in food quality monitoring	SILVER	
21	SMP ISLAM AL AZHAAR TULUNGAGUNG	Indonesia	SILVIA WINDI KHALILAH	GREETAFIR (fenugreek seeds extract and kefir fortification to facilitate breast milk)	SILVER	
22	Applied Technology High School Ras Al Khaimah	United Arab Emirates	Furat Jasim	Portable Grey Water Recycler with Arduino	SILVER	FREE REGISTRATION ONLINE WYIIA 22
23	SMP Negeri 5 Yogyakarta	Indonesia	Marcellus Dipta Dhaneswara	Analysis of rearing broiler chicken with organic feed to increase carcass quality	SILVER	
24	IARC	Iran	Zeinab Babaei	Preventing the Transmission of Fragile X Syndrome by CRISPR, Nanocapsules, and Innovation in the Transmission of CRISPR into a Cell	SILVER	
25	Hayrullah Kefoglu Anatolian High School	Turkey	Plastic Fighter	Production of Bioplastic for Food Packaging Using Bacterial Cellulose by Supplementation of Polyvinyl Alcohol, Glycerin, Chitosan, and Gelatin	SILVER	
26	Al Azhaar Islamic Junior High School Tulungagung	Indonesia	Raisya Hanifa Elmira	TSUMEA (The Information of Mitigation Education about Tsunami Disaster)	BRONZE	
27	BUCA SCIENCE AND ART CENTER	TURKEY	Rumeysa Çiçek	DEVELOPMENT OF PAPER-BASED ORIGAMI BIOSENSOR PLATFORMS FOR COLORIMETRIC DETECTION OF BIOCONTAMINANTS	BRONZE	

28	Shafiyatul Amaliyyah Senior High School	Indonesia	Cut Keysha Anata Mustika	YUPA YUPI ALL IN ONE	BRONZE	
29	SMPN 252 Jakarta / SMPN 139 Jakarta	Indonesia	Alfito Asmor	Development of Eggshell for Antibacterial to Answer Sustainable Development Goals	BRONZE	
30	SMK METHODIST ACS KLANG	Malaysia	JEEVESH A/L ACHUTHAN	Homemade fertigation system	BRONZE	
31	Giresun Science School	TURKEY	Deniz BAVLI	Microplastic pollution removal potential of mussels (Mytilus sp.): Giresun Coastline example	BRONZE	
32	SMAN 4 Denpasar	Indonesia	Ni Luh Putu Iswari Ardha Dharani	UTILIZATION OF RED RICE BRAN WASTE AS HEALTH TEA IN THE ERA OF COVID 19	BRONZE	
33	Sakolrajwittayanukul school	Thailand	Mingmada Maraming	Nano glue sticks from rubber	BRONZE	
34	GIRESUN SCIENCE SCHOOL	TURKEY	Ayşenur Atalay	Determination of Microplastic Pollution in Marine Sediment Samples of Some Streams and Discharge Points on Giresun Coast	BRONZE	
35	Sekolah Sultan Alam Shah	Malaysia	Hafiy Wafeeq Zarimin	Automatic Temperature Controller (ATC) for Car	BRONZE	
36	Lao Cai High School Number 1	Vietnam	Nguyen Bao Chau	The smart head protection float device is an original project and has never been contested before.	BRONZE	
37	Balıkesir Şehit Prof. Dr. İlhan Varank Science and Art Center	Turkey	Ceylin Afacan	Production of Hydrogel Wound Dressing from Different Plant Extracts and Investigation of Their Properties	BRONZE	
Innovative Science University						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	University of Brawijaya	Indonesia	Nur Ma'rifatud Diniyah	SWITCHEART: Jacket Integrated Defibrillator Based on Artificial Neural Networks (ANN) for Sudden Cardiac Arrest to achieve SDGs 2030	GOLD	MACEDONIA SA
2	Brawijaya University	Indonesia	Arasy Lifty Azuhra	Taro and Turmeric: Edible Plastic Innovation as a Solution to Overcome Global Warming in Encountering Industry 4.0	GOLD	
3	Universitas Brawijaya	Indonesia	Ayu Cetiya Mahayekti	Medical Mask with Peppermint Essential Oil and Green Shell Nanochitosan Integrated IoT for Respiratory Monitoring Healthcare Workers	GOLD	
4	Universitas Pekalongan	Indonesia	Ardhi Nur Ikhsan	EXTec (Exhaustion Detector Based Artificial Intelligence): Innovative Tool with Image Processing Method to Prevent Car Accidents	SILVER	
5	Universitas Hasanuddin	Indonesia	Ahmad Satari Idris	Utilization Of Protein Jambal Patin Fish Bread (Pangasius Sp) As Innovation Of Foods For Stunting Children To Hack The Road To Achieve SDGs.	SILVER	
6	Universitas Andalas	Indonesia	Refa Rahmaddiansyah	Hard Candy Gambier Catechin from West Sumatra as a Candidate for Oral Cancer Herbal Therapy	SILVER	

No	School Name	Country	Leader Team Name	Project Title	Medals	
1	BRAWIJAYA UNIVERSITY	Indonesia	NURAINI ROSYADAH	Application for Indonesian herbal analysis bionformally based on IoT as a for drug research support	GOLD	
2	IARC	Iran	Kianoosh Maghsoudi Nejad	Fully automatic ergonomic smart wheelchair with remote control and programming capabilities.	SILVER	FREE REGISTRATION I3C 22

Education Secondary						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	SMAN 2 KUDUS	Indonesia	YASMIN AULIA PUTRI	Response Of Junior High School Students Toward Government Digitalized service (Case Study Of Student Admission In Central Java)	SILVER	MIICA SA
2	SMA Negeri 1 Bangli	Indonesia	Ni Kadek Kesuma Anugraha Varshini	“METHALEDU-GAME” THE USE OF BOARD GAMES AS A LEARNING MEDIA FOR MENTAL HEALTH EDUCATION FOR ADOLESCENTS	SILVER	MYSO SA
Education University						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	Universitas Pendidikan Ganesha	Indonesia	Ni Wayan Ayu Kesumawati	FUN MATH: POP-UP BOOK BASED ON AUGMENTED REALITY AS INTERACTIVE MEDIA TO INCREASE UNDERSTANDING OF MATHEMATICS CONCEPTS OF DEAF STUDENTS	GOLD	MYSO SA
2	Universitas Muria Kudus	Indonesia	Angelia Christian	Ludo Game Application as A Fun Alternative for Learning Financial Literacy for Early Childhood	GOLD	IYSA SA, FILLY FUNDED IIIX
3	University Of Muria Kudus	Indonesia	Dwy Damayanti	Pop Learning Media Development Culture-Based 3in1 Up Book as an Effort to Improve Literacy and Numeration in the Millennial Generation	GOLD	IYSA SA
4	Universitas Pendidikan Ganesha	Indonesia	I Ketut Adi Darma Yatra	B-FIKS: INTERACTIVE LITERACY LEARNING MEDIA TO STRENGTHEN THE ALPHA GENERATION'S EDUCATION OF CHARACTER DURING THE POST PANDEMIC ERA	GOLD	
5	Universitas Negeri Semarang	Indonesia	Restu Aditia	Phonetic App: Phonetic Learning Support Facility in Indonesian Language and Literature Major Universitas Negeri Semarang	SILVER	
6	Muria Kudus University	Indonesia	Laili Alfiani	RAMA (Realistic Mathematical Learning Application) To Improve Concept Comprehension	SILVER	

7	Lampung university	Indonesia	Vany Aswandi	HISTORY LEARNING MODULE OF LAMPUNG HEROES BASED ON E- LEARNING AS AN EFFORT TO CULTIVATE CHARACTER EDUCATION IN REALIZING GOLDEN INDONESIA	BRONZE	
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Social Science Elementary						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	SD Semesta	Indonesia	Queena Tervedayia Trixyanevay Supriyadi	Aculturation Culture in Semarang	GOLD	MYSO SA
Social Science Secondary						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	MAN Sidoarjo	Indonesia	Ayunda Amelia Dewi	A-LOVE : Application Design Based on ABA (Applied Behavior Analysis) Therapy for Autism Spectrum Disorders Patients Through Educational Game Media (EDUGAME)	GOLD	MYSO SA
2	MA NU BANAT Kudus	Indonesia	Alfiya Hamida	ENVIRONMENTAL AWARENESS OF THE UPSTREAM MURIA SOCIETY IN CONSERVING WATER SOURCES IN COLO VILLAGE, KUDUS REGENCY	SILVER	
3	SMPI Al-Azhaar Tulungagung	Indonesia	Khalisa Putri Sandya Zhafira	Komik Digital Etnosains Batik Tulungagung	BRONZE	
4	MA NU Banat Kudus	Indonesia	Aulia Isnaini	SUSTAINABLE LOCAL GROUNDWATER MANAGEMENT IN BUMDES “MITRA SEJAHTERA” KAJAR KUDUS	BRONZE	
5	IARC	Iran	Hasti Sadat Mortazavi	Undiscovered secrets about Bermuda Triangle and lost city of Atlantis	BRONZE	
6	Yen Hoa High school, Hanoi, Viet Nam	Vietnam	Dang Vu Hoang Nam	Modeling community-based tourism development in Hoa Binh province towards sustainable tourism for ethnic minorities	BRONZE	
Social Science University						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	Universitas Brawijaya	Indonesia	Rachel Priscila Wulan Purnomo	Pol&Go: The Interactive Policy Making Platform to Enhance Public Trust in Jakarta Metropolitan Area	GOLD	MYSO SA+Uang Tunai 750.000
2	Muria Kudus University	Indonesia	Nova Meliyana Maeza	Digital Waste Bank as an effort to increase the effectiveness of online Waste Management	GOLD	IYSA SA
3	Immigration Polytechnic Human Resources Development Agency for Law and Human Rights, Ministry of Law and Human Rights of the	Indonesia	Respati Triana Putri	Si-Point (Smart Immigration Checkpoint) As a Manifestation of Digital Technology for Indonesian Good Governance in The Era of Society 5.0	GOLD	

	Republic of Indonesia					
4	Brawijaya university	Indonesia	Fifi Alfina Yahya	Agrition: Empowering Farmers Enhancing Food Security	SILVER	
5	Sebelas Maret University	Indonesia	Dinda Karina Yohanny	Figlo: Lamination of Mendong (Fimbristylis Globulosa) Natural Fibers to Increase Community Collaboration in Plembon Hamlet	SILVER	
6	Andalas University	Indonesia	Ilham Febri	Community Behavior in Disposing of Disposable Mask Waste during the Covid-19 Pandemic in West Sumatra	BRONZE	
7	Universitas Sebelas Maret	Indonesia	Adinda Dwi Sudartiningtyas	I-FLIP: INTERACTIVE INDONESIAN LANGUAGE LEARNING MEDIA FOR EQUIVALENT WORD AND STANDARD WORD	BRONZE	
8	Nusa Putra University	Indonesia	Puja Kusuma Jati Hadi Winata	Implementation of IoT In the Prototype of Remote Lighting Light Control And Monitoring Room Temperature Using the Telegram Application on Smartphone	BRONZE	
9	Nusa Putra University	Indonesia	Wahyu Irwan Putra	IoT Integrity Tsunami Detector with Sea Level Detection Sensor	BRONZE	

IoT in Energy and Manufacturing Secondary						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	Thursina IIBS Male Campus	Indonesia	Arif Zafar Muttaqin	Microcontroller based photovoltaic monitoring system for Energy management	GOLD	MYSO SA
2	MAN 1 Sleman	Indonesia	Asiyah Nurrohma	OLAF V.2: Cold Lava Flood Early Warning System Based on Water Level Sensor, Rain Gauge Sensor and Vibration Sensor with Integrated Internet of Things	SILVER	
IoT in Energy and Manufacturing University						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	Nopember (ITS) Sepuluh Nopember Institute of Technology	Indonesia	Muhammad Tabayyun Yudhistira	IOT - Based Heat Exchanger Temperature Control System	GOLD	MACEDONIA SA
2	Brawijaya University	Indonesia	Devi Veda Amanda	SMART BIOTECH : Smart biogas digester integrated internet of things with an electric mixer and automatic purification system to realize SDGs 2030	SILVER	
3	Politeknik Negeri Malang	Indonesia	Jorgi Fauzy Kusuma	E-MOTION: MONITORING AND AUTOMATION SYSTEMS AS ELECTRICITY ENERGY EFFICIENCY SOLUTIONS BASED ON IoT (Internet of Things)	SILVER	

IoT in Agriculture Secondary						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	Thursina IIBS	Indonesia	Aqilah Hammam Gibran P	Sistem Smart Vertical Farming (Smarti)	GOLD	MIICA SA
2	Giresun Science School	TURKEY	Asel ÇIRAK	Effect of Oyster Mushroom (Pleurotus spp.) Waste Compost on Corn and Bean Productivity	GOLD	FREE REGISTRATION I3C 22
3	Sekolah Sultan Alam Shah	Malaysia	Irfan Darwisy bin Mat Suhaimi	SPECTacular - Unmanned Grain Planter (U-GraPe)	SILVER	
4	MTs Negeri 2 Jombang,	Indonesia	Maisya Mawaddatun Nur	The AUTOPONIC (Automatic Portable Sonic Bloom) Device's Design And Development Are Integrated With The Internet Of Things	SILVER	
5	Giresun Science School	TURKEY	Zahide Kevser ŞAHİN	The Effect of Worm Tea on Productivity in Hydroponic Green Feed Production	SILVER	
6	Giresun Science School	TURKEY	Nehir YÜCEL	Effect of Different Methods for Cultivation of Oyster Mushrooms (Pleurotus spp.) on Poplar Stumps	BRONZE	
7	Princess Chulabhorn Science High Schools Pathum Thani	Thailand	Lattachot Cumpeerosakul	A NOVEL OF WATERING SYSTEM FROM MICROCONTROLLER BOARD TO REDUCE WATER CONSUMPTION RATE	BRONZE	
8	SMK METHODIST ACS KLANG	Malaysia	JEEVESH A/L ACHUTHAN	HOMEMADE FERTIGATION SYSTEM	BRONZE	
IoT in Agriculture University						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	University of Lampung	Indonesia	Dimas Prayoga	Grostech: Smart Platform Based on Digital Agriculture Industry as an Innovative Solution to Promote Food Security in Indonesia	GOLD	MACEDONIA SA
2	BRAWIJAYA UNIVERSITY	Indonesia	Anggita Bella Siez Kanita	Plasma Sterilization Tools for Fruits and Vegetables based on IoT to Improve Fruit and Vegetable Quality in Indonesia	GOLD	
3	Brawijaya University	Indonesia	AGUSTIN WILUJENG	"COAQI" Optimization Controller for Algae and Aquatic Plants Cultivation with IoT Apps-Based to Improve the Quality of Agricultural Products in Indonesia	GOLD	
4	Brawijaya University	Indonesia	Alfiana Fahera Rahmah	Optimizing the Potential of Rice Husk (Oryza Sativa L.) as (BASPI) Environmentally Friendly Anti-Earthquake Brick	GOLD	
5	Brawijaya University	Indonesia	Yesky Hagay Sinulingga	Aronta (Information System for Supporting Agricultural Productivity in Application Based on Karo Regency)	GOLD	
6	Jenderal Soedirman University	Indonesia	Rini Dwi Puspitasari	SMART GREEN: GREEN ROOF APPLICATION IoT BASED ON GREEN PLANT AS A SOLUTION TO REDUCE AIR POLLUTION IN URBAN	SILVER	

No	School Name	Country	Leader Team Name	Project Title	Medals	
1	Universitas 'Aisiyiah Yogyakarta	Indonesia	Ni Putu Diah Pradnya Septiari	Phenol Content Assay in Microgreen Spinach (Amarathus sp) with Provision of Eco-Enzyme in Cocopeat Media	GOLD	MACEDONIA SA
2	BRAWIJAYA UNIVERSITY	Indonesia	SITI NUR AISYAH	TREATMENT TOOLS BASED ON IoT AND GENETIC ANALYSIS FOR BREAST CANCER PATIENTS	GOLD	
3	Universitas Muria Kudus	Indonesia	Jihan Wahyunda	Virtual chatbot for mental health care	SILVER	IYSA SA
4	Brawijaya University	Indonesia	Laras Ayuningtias	WAMSK: Optimization of watermelon skin waste (Citrullus lanatus) and jicama (Pachyrhizus erosus) as organic face masks	SILVER	
5	Nusa Putra University	Indonesia	Farid	COVID-19 remote healt monitoring with IoT system	SILVER	
6	University of Brawijaya	Indonesia	Muhammad Dilan Linoval	Multifunction Self Monitoring Blood Glucose Smartwatch as an Effort for Secondary Prevention of Diabetes Mellitus Based on Applications and Machine Learning	SILVER	
7	University of Brawijaya	Indonesia	Fanny Eka Putri	DESTROKE: Early Detection System Based on K-Nearest Neighbour (K-NN) Integrated IoT for Diagnosis of Stroke to Achieve SDGs 2030	SILVER	
8	Politeknik Rukun Abdi Luhur	Indonesia	Clarisa Nila Aurellia	Sistem Informasi Warning Terintegrasi (Si WanTi)	BRONZE	
9	Doza srekja Macedonia MK	Macedonia MK	Viktorija Blazevska	The active action of certain types of herbal plants collected from certain localities and their use as therapy in people with breast cancer	GOLD	

Pysics,energy and Engineering Elementary						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	Colegio San Ignacio de Loyola	Puerto Rico	Álvaro Daniel Villafuerte González	Design and Development of an Accurate Temperature Monitoring Station Powered by Solar Energy	GOLD	
2	SEKOLAH JENIS KEBANGSAAN TAMIL NIBONG TEBAL PULAU PINANG MALAYSIA	MALAYSIA	JEEVANESWARI A/P KUMARAN	DRYING SHOE MACHINE	SILVER	
3	SEKOLAH JENIS KEBANGSAAN TAMIL NIBONG TEBAL PULAU PINANG MALAYSIA	MALAYSIA	YAAMUTHESRAM A/L BALASUNDRAM	ECO ORGANO TILES	SILVER	
Pysics,energy and Engineering Secondary						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	Bach Khoa Math and Science Club	Việt Nam	Le Do Hoang	AIS – AUTOMATIC IRRIGATION SYSTEM WITH TEMPERATURE AND MOISTURE SENSOR USING SOLAR ENERGY	GOLD	FREE REGISTRATION I3C 22

2	SEKOLAH DATO' ABDUL RAZAK, SEREMBAN.	MALAYSIA	MUHAMMAD IMRAN ARIFF BIN ZAMZURI	BLACK IS THE NEW GREEN YEAR 5 – A NOVEL IDENTIFICATION AND CHARACTERIZATION OF RHIZHOPORA APICULATA AS BIOCHAR SUPERCAPACITOR.	GOLD	
3	MA NU Banat Kudus	Indonesia	Rikza Bilqis Zakia	BIO-FREE APPLICATION AS A WATER CONSERVATION EFFORT IN FACING CLIMATE CHANGE	GOLD	MIICA SA
4	Buca Science and Art Center	Turkey	Aslı Karataş	Investigation of Conductance Quantization with a Simple Interferometer System and Measurement of Displacement at Microscale	GOLD	IYSA SA
5	Srinagarindra The Princess Mother School, Phuket	Thailand	Miss Siriwan Khuadkaeo	Design and competency study of intelligent bat repeller with ultrasonic wave	SILVER	IYSA SA
6	İSTANBUL ÖZEL GAZİOSMANPAŞA ŞEFKAT FEN LİSESİ	TURKEY	YILDIZ	Obtaining antibacterial fabric from husk fibers as agricultural wastes of corn (Zea mays)	SILVER	
7	Srinagarindra The Princess Mother School, Phuket	Thailand	Miss Arisara Sontas	Design and Competency study of smart solar powered automatic hand gel dispenser and body temperature detection	SILVER	
8	SMA NEGERI 4 BOJONEGORO	Indonesia	Gusti Bintang Deva Winendra	LEGOBLAST (Lego Brick from Plastic) as Earthquake-Resistant Brick Based on Plastic Waste	SILVER	
9	Umut Şahan	Türkiye	Umut Şahan	CONTROLLED, EFFICIENT HYDROGEN AND FUEL CELL DESIGN FROM SODIUM BORHYDRIDE WITH ACETIC ACID CATALYST IN POLYETHYLENE GLYCOL MEDIUM FOR FUEL CELL	BRONZE	
Pysics,energy and Engineering University						
No	School Name	Country	Leader Team Name	Project Title	Medals	
1	Universitas Airlangga	Indonesia	Brillian Adam Muzakki	LITEC: Design a lie detector using a heart rate sensor based on a fiber optic sensor to facilitate police investigations	GOLD	MIICA SA+Uang Tunai 500.000
2	SEKOLAH TINGGI TEKNOLOGI KEDIRGANTARAAN	Indonesia	MUHAMMAD KEVIN ADAM	IMPLEMENTATION OF CAMERA THERMAL AND GAS SENSOR ON UAV DRONE TO DETECT UNDERGROUND GAS PIPELINE LEAK	GOLD	
3	Muhammadiyah Univercity Of Surakarta	Indonesia	Bunga Amanda	LEARN (ELECTRICITY FROM WASTE OF PRAWNS PONDS) AN ELECTRICALLY GENERATING PLANT BY PRODUCT OF THE SHRIMP FARM BY MICROBIAL FUEL CELL	SILVER	
4	Universitas Muria Kudus	Indonesia	Andi Nurcahyo	Dynapower : the use of dynamo rotation for electrical energy sources	SILVER	
5	Brawijaya University	Indonesia	Nurun Nafi'atul L	Automatic Microalgae Extraction System for Optimization Biomass Production in Indonesia	SILVER	

6	University of Brawijaya	Indonesia	MUH. KHADAFI KASIM	HOOPY: The Utilization of Human Feces Based on MFCs Integrated with Mobile Application as a Tools Produced Electrical Energy to Achieve SDGs 2030	BRONZE	
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