



## **JURY BOARD OF DECISION LETTER**

### **Global Competition for Life Sciences (GloCoLiS) 2022**

Number : 030/DJ.GloCoLiS/IYSA/IV/2022

#### ***ABOUT DETERMINATION OF AWARD GOLD, SILVER, BRONZE AND SPECIAL AWARD GLOBAL COMPETITION FOR LIFE SCIENCES (GLOCOLIS)***

**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 Global Competition for Life Sciences (GloCoLiS) 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 BG Junction,  
Surabaya, East Java on April 12, 2022

#### ***Board of Committee :***

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

President of IYSA



**Deni Irawan, M.Pd**

Biotechnology									
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals		
1	Puerto Rico	Elementary	Colegio San Ignacio de Loyola	Álvaro Daniel Villafuerte González	Design and Development of an Accurate Temperature Monitoring Station Powered by Solar Energy	Biotechnology	GOLD	FREE ONLINE REGISTRATION ISO 2022	
2	Puerto Rico	Elementary	Madelcar Academy	Alejandro J. Rivera Molina	Investigation of a new Technique for a Homemade Water Filter in case of Emergencies or Disasters.	Biotechnology	SILVER		
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals		
1	Thailand	secondary	Demonstration School Prince of Songkla University	Amarn Sama-ae	The Optimization of vermicompost with Effective Microorganisms (EM)	Biotechnology	GOLD	FREE ONLINE REGISTRATION WYIA 2022	
2	Thailand	secondary	Demonstration School Prince of Songkla University	Natthiporn Samae	Firefighting Protein Solution From The Fish Scales	Biotechnology	GOLD		IYSA SA
3	Thailand	secondary	Hatyai Wittayakarn school	Varis Rattanayatt	Study on oil absorption of cellulose modified with aminosilane, and nano magnetic particles for oil absorbent on the water surface.	Biotechnology	GOLD	IYSA SA	
4	TURKEY	secondary	Buca Science and Art Center	Origami Biosensor	DEVELOPMENT OF PAPER-BASED ORIGAMI BIOSENSOR PLATFORMS FOR COLORIMETRIC DETECTION OF BIOCONTAMINANTS	Biotechnology	SILVER	FREE ONLINE REGISTRATION ICYMS 2022	
5	Indonesia	Secondary	SMA Negeri 4 Denpasar	Jonathan Samuel Matogu Tambunan	CAMBU: ENVIRONMENTALLY FRIENDLY FLOOR CLEANER FROM BAMBOO LEAF (Bambusa vulgaris) AND YLANG LEAF (Cananga odorata) EXTRACT	Biotechnology	SILVER		
6	Thailand	secondary	Princess Chulabhorn Science High School Satun	Firhana Naksanga	Backpack Latex Collector	Biotechnology	SILVER		
7	Indonesia	Secondary	SMA Negeri 2 Probolinggo	Muhammad Yordan Maulana Sukoco	Physical Characterization of Biodiesel Quality from Used Cooking Oil Based on a Treatment With Technology from ADSOTERA and Ultrasonic Vibrating Bath	Biotechnology	SILVER		
8	Thailand	secondary	Hatyai Wittayalai	Chayapa Laohatanon	Hand therapy machine	Biotechnology	SILVER		
9	Thailand	secondary	Demonstration School of Prince of Songkhla University	Paratee Jeyor	The Study of the root acceleration of mulberry plants from energy drinks	Biotechnology	SILVER		
10	Indonesia	Secondary	Senior High School 1 Sidoarjo	Nafisa Aura Qolby	Cultivation of microalgae Botryococcus braunii as a treatment method for removing COD levels in laundry wastewater	Biotechnology	BRONZE		
11	Indonesia	Secondary	SMA Sains Wahid Hasyim	Aminah Amiliana	PESTICIDES MADE OF ENDOPHYTE BACTERIA FOR SUPPLYING PHYTOPHTHORA CAPSICI DISEASE FOR PEPPER PLANTS[Piper Nigrum L.]	Biotechnology	BRONZE		
12	Thailand	secondary	Princess Chulabhorn Science High School Satun	Kullasap Chuaysen	Hand Muscle Stretching Games for People with Amyotrophic Lateral Sclerosis (ALS)	Biotechnology	BRONZE		
13	Thailand	secondary	Princess Chulabhorn Science High School Satun	Natsinee Ruengsiri	A study of water quality affecting Mantis shrimp population density in mangrove forests.	Biotechnology	BRONZE		
14	Indonesia	secondary	MTs Negeri 10 Sleman	Putri Hasna Varis Azzahra	The Use of Soursoy Leaf Extract as a Biosurfactant in The Eco-friendly Biodegtergents	Biotechnology	BRONZE		
15	Indonesia	Secondary	57 senior high school in jakarta	Rayhaan Adi Saputra	research innovations in the field of biotechnology to protect and care for the environment	Biotechnology	BRONZE		
16	Vietnam	secondary	Hanoi Amsterdam High School for Gifted	Nguyen Dac Hung	Synthesis TiO2 nanoparticles for Solar cells application	Biotechnology	BRONZE		
17	Indonesia	Secondary	SMP Negeri 1 Sampit	Alfayza Putri Farania	PEMANFAATAN DAUN KELAKAI SEBAGAI POLYBAG ORGANIK RAMAH LINGKUNGAN	Biotechnology	BRONZE		
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals		
1	Indonesia	University	State University of Malang	Sukma Putri Riyanti	ESSIL : Anti-fly aromatic spray, as an innovation to control fly population explosion in chicken farm area in Trenggalek Regency, East Java	Biotechnology	GOLD	FREE ONLINE REGISTRATION WICE 2022	
2	Indonesia	University	Brawijaya University	M. Rizki Fatoni	Biotechnology Application of Ureolytic Bacteria as Soil Structure Reinforcement with Microbiologically Induced Calcite Precipitation Concept	Biotechnology	SILVER		MYSO SA
3	Indonesia	University	BRAWIJAYA UNIVERSITY	GALUH WAHYU KARTTA	FORMULATION OF ECO FRIENDLY GEOPOLYMER BASED ON FLY ASH WITH ADDITIONAL ISOLATE OF ARSENIC DEGRADATOR BACTERIA AS FLOOD MANAGEMENT TECHNOLOGY	Biotechnology	SILVER		
4	Indonesia	University	University of Jember	Danil Eka Fahrudin	LKR/SDH Gene Editing for Lysine Biofortification of Rice Seed	Biotechnology	SILVER		
5	Indonesia	University	Universitas Pendidikan Ganesha, Bali	Putu Zasya Eka Satya Nugraha	"AT-Fection" Automatic Door Lock With Face Detection	Biotechnology	SILVER		
6	Indonesia	University	Sepuluh Nopember Institute of Technology (ITS)	Yohanes Maruli Arga Septianus	DUFORTY: INNOVATION OF POWER PLANT BASED ON DURIAN SKIN WASTE AND TEMPE LIQUID WASTE INTEGRATED WITH INTERNET OF THINGS	Biotechnology	SILVER		
7	Indonesia	University	Brawijaya University	Laras Ayuningtias	Utilization of Jackfruit Seeds (Artocarpus heterophyllus) as BINAYO (Jackfruit Seed Yogurt) Highly Nutritious and Healthy Beverage Innovation	Biotechnology	SILVER		
8	Indonesia	University	Wahid Hasyim University	Ruby Agil Hasan	COFBE : Optimization of Cocoa Husk Waste as an Organic Fungicide to Fight Blast Disease in Palm Oil Tree	Biotechnology	SILVER		
9	MEXICO	University	UNIVERSIDAD AUTONOMA DE OCCIDENTE	JUAN ALBERTO OJEDA AMADOR	ROBOT TEC: BRAZO ROBOTICO	Biotechnology	SILVER		
10	Indonesia	University	Brawijaya University	Sularso	SMART CAGE BROILER INNOVATION BASED ON INTEGRATED Internet of Think (IoT) AND BELT CONVEYOR AS A SOLUTION FOR ENLARGEMENT IN LIMITED LAND	Biotechnology	SILVER		
11	Indonesia	University	Jember University, Diponegoro University, Lambung Mangkurat University, Jenderal Soedirman University	Adilah Devira Fransna	The Use of Banana Peels Waste Extract for The Manufacture of Disinfectants for Handling Covid-19	Biotechnology	SILVER		
Biomedicine									
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals		
1	Indonesia	University	Udayana University	I Gede Aswin Parisya Sasmana	Antibesity and Antidyslipidemic Properties of Clitoria temalea Petals Aqueous Extract against Rats Induced by High Fat Diet	Biomedicine	GOLD	MYSO SA	
2	Indonesia	University	University of Brawijaya	Ma'rifatud Diniyah	SWITCHHEART: Jacket Integrated Defibrillator Based on Artificial Intelligence for Sudden Cardiac Arrest to achieve SDGs 2030	Biomedicine	GOLD		DOKJA SREKJA SA
3	Indonesia	University	University of Jember	Nuril Azizah	Neem Bets: Potential of Neem Gum (Azadirachta indica) to Lower Blood Glucose Levels in Type II Diabetes Mellitus Patients tested on Male Wistar Rats	Biomedicine	SILVER	DOKJA SREKJA SA	
4	Indonesia	University	Brawijaya University	Faisal Ahlan Rizaldi	Anticancer Nanoliquid Epigallocatechin gallate from Green Tea Leaf Dregs Extract for Air Diffuser as an Alternative Solution for Lung Cancer Treatment	Biomedicine	SILVER		
5	Indonesia	University	Brawijaya University	Cherina Chyntia Ananta S Kembaren	The Effect of Nanoparticles Toothpaste: Extract Temu Kundi (Boesenbergia pandurata) on Gingivitis Healing Process	Biomedicine	SILVER		
6	Indonesia	University	University of Brawijaya	Muhammad Zainurrahman	DESTROKE: The Mobile Application to Diagnose Early Symptoms of Stroke Using Artificial Neural Networks (ANN)	Biomedicine	SILVER		
7	Indonesia	University	Universitas Brawijaya	Triyana Sinta Dewi	MASTPATCH: Mastitis Therapy Patch the Utilization of Brassica Oleracea Var. Capitata as an Alternative Treatment for Mastitis in Postpartum Mothers	Biomedicine	SILVER		
8	Indonesia	University	Universitas Andalas	Muhammad Zidan Amriza	Antibacterial Toothpaste from Gambier Catechin in the treatment of Gingivitis	Biomedicine	SILVER		
9	Indonesia	University	Brawijaya University	Razita Sabrina Putri Andijani	WASE (WaterMelon soap): Alternative Organic Soap to Prevent Covid-19 Transmission	Biomedicine	BRONZE		
10	Indonesia	University	Brawijaya University	Imas Hidayati	Utilization of Chitosan-Coating Mask from Blood Clam Shells at Genuk, Semarang as an Effort to Overcome Mask Waste and Maintaining Green Environment	Biomedicine	BRONZE		
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals		
1	Indonesia	Secondary	SMAN 10 KOTA BEKASI	Shabrina Azzalia	EUTHYSTYTON: Euthynnus sp. Osteon An innovation to reduce food waste towards better medicine industry	Biomedicine	GOLD	Macedonia SA	Free registration WSEEC 2022 Online Competition
2	Puerto Rico	secondary	Colegio San Ignacio de Loyola	Daniel Villafuerte González	Personal Wearable Arduino-Based UV Index Detector Integrated with a Mobile App Data Analyzer for UV Radiation Exposure Monitoring and Medical Research	Biomedicine	GOLD		IYSA SA
3	PUERTO RICO	secondary	COLEGIO ROSA - BELL	Endrick Yael Garcia - Torres	Prototyping and Testing an IoT Based Solar Rechargeable Wound Care Monitoring System using a LilyPad Arduino	Biomedicine	GOLD	MIICA SA	
4	Indonesia	Secondary	SMA Negeri 4 Denpasar	I Gusti Ayu Riescha Rahardya Ishwara	IMMENPAST: HAND SANITIZER BASED ON ROSE BALSAM (Impatiens balsamina L.), MINT LEAVES (Mentha piperita L.), AND BALINESE "ARAK" AS ANTIBACTERIAL	Biomedicine	GOLD	MIICA SA	
5	Thailand	secondary	Hatyai Wittayalai	Mr.Promsakun Daohboonyapichat	Alcohol Beads via Spherification	Biomedicine	GOLD		
6	Indonesia	Secondary	SMA NEGERI 2 PROBOINGGO	Emilio Dwiky Cesar Padilla	RAPID DECOLISH (Smart Detector Cobalt from Lingula unguis) Based on Physical Morphological Characterization of Inarticulate Shells Powder	Biomedicine	GOLD		



7	Indonesia	Secondary	SMA Negeri 4 Denpasar	I Gusti Ayu Riescha Rahardya Ishwara	PAN CA TEA: Caealpinia sappan L. and Acanthus illicifolius L. as Functional Drinks to Lower Blood Sugar Levels	Biomedicine	SILVER
8	Indonesia	Secondary	SMA Plus Negeri 17 Palembang	Ayesha Humayra Fayyaza	Catfish as a Medicine to Increase Platelet Levels and Healing Effectiveness for Patients with Dengue Fever	Biomedicine	SILVER
9	Thailand	secondary	Phatnawitaya school	Najwa Yapha	Antimicrobial water-soluble laundry bag on hospital	Biomedicine	SILVER
10	Indonesia	Secondary	MA Istimewa Amanatul Ummah	PRADITA ARIF SETIAWAN	SCANEME: Neem leaf extract gel as an herbal lotion for scabies sufferers to support the health of boarding students in the millennial era	Biomedicine	SILVER
11	Indonesia	Secondary	Petra 2 Christian Senior High School	Thomas Sidarta Seño	Improvement of Fe <sub>3</sub> O <sub>4</sub> Ferrofluid-Based Antimicrobial Activity through Particle Size Control Assisted by Biocompatible Surfactants	Biomedicine	SILVER
12	Indonesia	Secondary	Madrasah Aliyah Negeri Sidoarjo	Isykarimah Syakir Rahmadini	VENTALICIOUS (Refresher Candy with antibacteri from chitosan and ketapang leaves)	Biomedicine	SILVER
13	Thailand	secondary	Princess chulabhorn science high school satun	Miss.Premprapa Jermkwan	Hemostatic wound Dressing Pads from PVA and chitosan Containing Psidium guajava (L.) and Chromolaena odorata (L.) , test the performance of pads	Biomedicine	SILVER
14	Thailand	secondary	Princess Chulabhorn Science High School Satun	Pichaya chingphong	Smart uv hat	Biomedicine	SILVER
15	Indonesia	Secondary	SMP NEGERI 23 MALANG	Hidayat Fitri Makarim	BEIPUTLA mulberry fruit (MORUS ALBA) and seaweed (Gelidium SP.) As MOUTHWASH	Biomedicine	SILVER
16	Indonesia	Secondary	MAN KOTA BATU	RAICHA FATHIMAH AL BATUL	Test Effectiveness Extra of Seaweed Gracilaria sp. as Spray Antibacterial on Itchy Skin	Biomedicine	SILVER
17	Puerto Rico	secondary	Colegio Puertorriqueño de Niñas	María Alejandra Jové	Brain-Gut Microbiota Interaction: The Role of E. Coli in Alzheimer's Disease	Biomedicine	SILVER
18	Indonesia	Secondary	Wahid Hasyim Science High School	Muhammad Barra Idealis Faza	VASSENIC : Utilization of Galvanic Current to Promote Blood Circulation to Help Heal Varicose Veins	Biomedicine	SILVER
19	Indonesia	Secondary	SMA Negeri 1 Sidoarjo	Raihan Imaduddin Ahmad	Utilization of Papaya Leaves (Carica papaya) and Katuk Leaves (Sauropus andrognynus) as Brewed Tea Powder for the Treatment of Anemia	Biomedicine	SILVER
20	Indonesia	Secondary	SMAN 1 Sidoarjo	Aulia Bela Pratiwi	AEPLAS: Antimicrobial Plaster from Nanoemulgel Extract of Eudema cottoni to handling S. aureus and P. aeruginosa Causes Burn Wound Infection	Biomedicine	BRONZE
21	Indonesia	Secondary	MAI Amanatul ummah	Fadli Sabri Kurniawan	HYSACC: HYDROGEL WOUND AS AN ANTIBACTERIAL AND ACCELERATE WOUND HEALING	Biomedicine	BRONZE
22	Việt Nam	secondary	Hanoi – Amsterdam High School for the Gifted	Le Gia Bach	Fabrication and characterization of CoFe <sub>2</sub> O <sub>4</sub> nanoparticles for drug delivery application	Biomedicine	BRONZE

Food Science and Nutrition								
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals	
1	Indonesia	Secondary	Senior High School 1 Sidoarjo	Raras Nur Anggraeny Sugianto	Utilization of Sorghum Flour and Sargassum sp. As An Alternative Food to Overcome GAKY	Food Science and Nutrition	GOLD	FOOD SCIENCE AND TECHNOLOGY DEPARTMENT OF IPB SA
2	Indonesia	Secondary	MAI amanatul ummah	Sirhan Muhammad Dehya Al-Qolbi	LOGOSCOS cookies from banana peels and avocados to reduce the rate of people with diabetes mellitus as an effort to support the SDGs 2030 program	Food Science and Nutrition	GOLD	FOOD SCIENCE AND TECHNOLOGY DEPARTMENT OF IPB SA
3	Indonesia	Secondary	SMP NEGERI 23 MALANG	Adibah Safwa Kania	Effectiveness of Meniran (Phyllanthus urinaria) to Increase Platelets	Food Science and Nutrition	GOLD	FOOD SCIENCE AND TECHNOLOGY DEPARTMENT OF IPB SA
4	Indonesia	Secondary	SMA HIDAYATUS SALAM	SITI NUR HAMIDAH	"ESEMCA" Eco Smart Edible Meat Coating	Food Science and Nutrition	SILVER	
5	Indonesia	Secondary	MA ISTIMEWA AMANATUL UMMAH	Shah Akbar Ghazy Ar-Rasheed	ACE WAILES (carrot ice cream with tomato and broccoli supplements) AS ALTERNATIVE HEALTH SNACKS TO REDUCE DIABETES, ESPECIALLY IN SCHOOL CHILDREN	Food Science and Nutrition	SILVER	
6	Indonesia	Secondary	MA Istimewa Amanatul Ummah Pacet,Mojokerto	Zaki Nafis Mafazi	DUR Noodles: Efforts to make noodles safe to consumption and high efectfenees	Food Science and Nutrition	SILVER	
7	Indonesia	Secondary	SMA Negeri 1 Matauli Pandan	M. Zasky Aundra Putra	EXTRACT OF RAMBUTAN SKIN AND SEEDS AS AN ALTERNATIVE TO PREVENT COVID-19	Food Science and Nutrition	BRONZE	
8	Indonesia	Secondary	SMA Sains Wahid Hasyim	Ahmad shofiyudin	" UTILIZATION OF MANGGOST FRUIT ( Garcinia mangostana ) AND SEAWEED ( Eudhema cottonii ) JELLY BASED FOR CARDIOVASCULAR DISEASE PREVENTION"	Food Science and Nutrition	BRONZE	
9	Indonesia	Secondary	SMA Sains Wahid Hasyim	Maulana Ilham Hamdallah	G-rover : Cultivation Of Moon Mushrooms As a Potential Substitute For Meat Nutrition	Food Science and Nutrition	BRONZE	
10	Indonesia	Secondary	MTs N 1 Pati	Diera Sarah Dzkiyah	MORIGI (Moringa Oleifera and Ginger): jelly candy that fulfills the nutritional needs of the body	Food Science and Nutrition	BRONZE	
11	Indonesia	Secondary	International Standard School of Amanatul Ummah Pacet Islamic Boarding School	Muhammad Zidan Albihar	CUBICLE Candy as Functional Food for Hypertension Sufferers	Food Science and Nutrition	BRONZE	
12	Indonesia	Secondary	SMAN 21 SURABAYA	Khansa Mutia Sekar Arum	POKRA LATEA - Popping Okra Abelmoschus esculentus With Clitoria Ternatea For Diabetic Mellitus	Food Science and Nutrition	BRONZE	
13	Indonesia	Secondary	MBI Amanatul Ummah Pacet	Muhammad Zidan Albihar	ANNALIDA: Candy from Sechium Edule and Zinnia Elegans for Anti-depresant and Immuno stimulant	Food Science and Nutrition	BRONZE	
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals	
1	Indonesia	University	Brawijaya University	Hildatussyarifah	YOGURT NANO CALCIUM INNOVATION AS A PREVENTION OF HYPERCHOLESTEROLEMIA: IN VIVO STUDY	Food Science and Nutrition	GOLD	MIICA SA
2	Indonesia	University	Brawijaya University	M. Nizam Zulfi Zakaria	GT-RICE: analog rice innovation from canna and tivil starch fortified with spinach, soy protein, coconut and CMC	Food Science and Nutrition	GOLD	MIICA SA
3	Indonesia	University	Sriwijaya University	Ghea Delsia	HECOFIT : Healthy Cork Fishbone Biscuit	Food Science and Nutrition	GOLD	Macedonia SA
4	Indonesia	University	Faulyty of Medicine, Universitas Andalas	Muhammad Fajar Ar-Rafi Yandril	HIGH ANTIOXIDANT TEA FROM DUWET LEAVES (Syzygium oumini) AS HEPATOPROTECTIVE AGENT FOR LIVER DISEASES	Food Science and Nutrition	SILVER	
5	Indonesia	University	Brawijaya University	Rifaldi Fadilah	MULTI RIFEK : KEFIR-BASED FUNCTIONAL DRINK WITH THE ADDITION OF FORTIFIED NANOCASIUM FROM TELANG FLOWER (Clitoria tematea L.) EXTRACT FOR OBESITY	Food Science and Nutrition	SILVER	
6	Indonesia	University	Brawijaya University	Athaya Syafa Nabila	Fortification of Jelly from Fruit Extracts White Mulberry (Morus Alba) and Sri kaya (Annona Squamosa) to Reduce Blood Sugar and Improve Digestive	Food Science and Nutrition	SILVER	
7	Indonesia	University	Brawijaya University	Ahmad Natiq	UTILIZATION OF BLACK CUMIN EXTRACT FOR DRUG INFLAMMATION AND ASTHMA	Food Science and Nutrition	SILVER	
8	Indonesia	University	Brawijaya University	Elyta Sandi	NOMIA:Innovation of Fiber-Rich Noodle Products Made from Mocap Flour, Sorghum Flour, and Wheatgrass to Overcome Anemia as Efforts to Realize SDGs 2045	Food Science and Nutrition	BRONZE	
9	Indonesia	University	Universitas Sumatera Utara	Daniel Harun	THE JOS (JELLY OF ORTHOSIPHON STAMNEUS): NUTRITIOUS AND DELICIOUS SNACK MADE FROM INDONESIA POTENTIAL LOCAL PLANTS	Food Science and Nutrition	BRONZE	
10	Indonesia	University	University of Brawijaya	Mufidatul Maufuroh	ME-CRUNCH : Utilization of Cerme Fruit As Food Bar Based On Rase Digital Marketing Through Empowermwt Wonosari Village, Malang	Food Science and Nutrition	BRONZE	
11	Indonesia	University	Brawijaya University	Yayang Bilqisa	Sambill Puddy As An Inovation Pudding To Reduce Diabetics From Androgaphis Panniculata And Fruit Extracts	Food Science and Nutrition	BRONZE	
12	Indonesia	University	Poltekkes Kemenkes Malang	Fatinnuha Auliya Ufa	ANALOG RICE MADE FROM Padina australis AND PORANG TUBERS TO ACCELERAT HEALING	Food Science and Nutrition	BRONZE	

Pharmacy								
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals	
1	Indonesia	University	Brawijaya University	Muhammad Fadlurrohman Nafi	ALVERDIA (Aloe Vera for Diabetes Mellitus)	Pharmacy	GOLD	MIICA SA
2	Indonesia	University	Sebelas Maret University	Putri Indah Nurani	Citranda: Antiaone Gel Innovation from Fingerroot and Lemongrass as a Solution for Maskne	Pharmacy	GOLD	IYSA SA
3	Indonesia	University	Jenderal Soedirman University	Zaidan Triandi Rachman	EFFERCOPS: Antidiabetic Effervescent Coprinus comatus in Reducing The Risk of COVID-19 Comorbidity.	Pharmacy	SILVER	MIICA SA
4	Indonesia	University	University of Brawijaya	Lina Nurroin	D-CHIP (DRUGS INTEGRATED WITH MICROCHIP): INNOVATIONS IN THE APPLICATION OF CPS-BASED PHARMACOGENOMIC CONCEPT TO REDUCE COVID-19 NUMBERS IN INDONESIA	Pharmacy	BRONZE	
5	Indonesia	University	Universitas Andalas	Faishal Arif Kurniawan	The Potential of Syzygium cumini Leaves as a Candidate for Hypertension Herbal Therapy	Pharmacy	BRONZE	
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals	
1	Philippines	secondary	Philippine Science High School - Main Campus	Veronica Marielle T. Guinto	In silico screening of Cyclosporine analogs as potential anti-angiogenic agents via NFAT inhibition	Pharmacy	SILVER	IYSA SA



2	Indonesia	Secondary	SMA Muhammadiyah 2 Sidoarjo	Naurah Hasna Najah	Milkfish Scale Utilization to be Vitamin C Tablet from Bilimbi Extract as Free Radical Antidote	Pharmacy	SILVER		
Food Technology									
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals		
1	Indonesia	Secondary	SENIOR HIGH SCHOOL 21 SURABAYA	Michelle Tiffany Laowo	Fetofeed Arrhygo 3 In 1	Food Technology	GOLD	FOOD SCIENCE AND TECHNOLOGY DEPARTMENT SA	Fully funded Indonesia International Invention Expo (IIX)
2	MALAYSIA	secondary	SMK AMINUDDIN BAKI	KAEDEN KOK JIN REN	Fully - Automatic Planting System	Food Technology	GOLD	FOOD SCIENCE AND TECHNOLOGY DEPARTMENT SA	
3	Thailand	secondary	Srinagarindra The Princess Mother School, Phuket	Miss Arisara Somtas	Effect of chicken meat and fish meat storage time on the incidence of volatile Nitrogen compounds for application in food quality monitoring	Food Technology	GOLD	IYSA SA	
4	Thailand	secondary	Princess Chulabhorn Science High School Satun	Mr.Chiaranai Benmad	Odor-Free Organic Waste Composting Bin	Food Technology	GOLD	IYSA SA	
5	Thailand	secondary	Princess Chulabhorn Science High School Satun	Mr. Na-eem Malikunsalam	Chitosan extract from mussel shells and cumin leaf extract to slow the ripening of the Gros Michel banana.	Food Technology	SILVER		
6	Turkey	secondary	Buca Science and Art Center	Elif Kog	DETERMINATION OF AGE IN FOODS WITH A CARBON DIOXIDE MONITORING SENSOR	Food Technology	BRONZE		
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals		
1	Indonesia	University	Universitas Andalas	Refa Rahmaddiansyah	HARD CANDY CATECHIN FROM GAMBIER IN WEST SUMATRA AS A CANDIDATE FOR ORAL CANCER TREATMENT	Food Technology	GOLD	FREE ONLINE REGISTRATION 13 O 2022	
2	Indonesia	University	Brawijaya University	Paundra Josan Dava Tauhid	Optimization of Bean Sprouts (Vigna radiata) waste as a BOSE : High-Fiber Cereal for Community Food Empowerment	Food Technology	GOLD	micla sa	
Bioinformatics									
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals		
1	Indonesia	University	Esa Unggul University	Aifero Putra Iryanbo	In Silico Design and Validation of CRISPR-based Genome Editing for The Development of Virus Resistant Sweet Potato (Ipomoea batatas)	Bioinformatics	GOLD	free online registration isif 2022	
2	Indonesia	University	Brawijaya University	Siti Nur Aisyah	CANCER CARE: A TOOL FOR CREATING PERSONALIZED CANCER TREATMENTS BASED ON A PATIENT'S GENETIC ANALYSIS	Bioinformatics	SILVER	MYSO SA	
3	Indonesia	University	Brawijaya University	Alifianti Shinta PP	In Silico Study of Vacuolin-1 as an Inhibitor of HSP27 for Breast Cancer Treatment	Bioinformatics	SILVER		
4	Indonesia	University	Pembangunan Nasional Veteran Jakarta University	Siti Luthfana Hasena	MINDFUL-MED : APPLICATION BASED SYSTEM IN INCREASING THE ROLE OF THE FAMILY IN ASSISTING MEDICATION AND MINDFULNESS THERAPY IN SCHIZOPHRENIC PATIENT	Bioinformatics	SILVER		
5	Indonesia	University	Brawijaya University	Khoirur Umam	LEARN (ELECTRICITY FROM WASTE OF PRAWNS PONDS) An electrically generating plant, byproduct of the shrimp farm by microbial fuel cell.	Bioinformatics	SILVER		
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals		
1	Indonesia	Secondary	SMAN 2 SEMARANG	Rachenda Gosyen Nadindra Mahadaya	GeneScope	Bioinformatics	GOLD	MYSO SA	
3	Philippines	secondary	Philippine Science High School - Main Campus	Wesley Gavin G. Palomar	In silico Drug Repurposing in Discovering Leads Targeting the cytochrome bd oxidase of Mycobacterium tuberculosis	Bioinformatics	GOLD	dokja sreki'a sa	
4	PUERTO RICO	secondary	COLEGIO ROSA - BELL	Natalia I. Acosta - Laboy	Analyzing Non-Invasive Prenatal Testing to Detect Mucopolysaccharidosis Type III (Sanfilippo Syndrome)	Bioinformatics	SILVER		
5	Puerto Rico	secondary	Escuela Especializada en Ciencias, Matemáticas y Tecnología	Alondra Marie Hernández Martínez	Creation of a Portable Device for Environmental Measurements Using a 3D Printing Design	Bioinformatics	SILVER		
6	Thailand	secondary	Princess Chulabhorn Science High School Satun	Piyakorn Rattanamoosik	Eyesight beside you	Bioinformatics	SILVER		
7	Thailand	secondary	Hatyai Wittayalai	Chayapa Laohatanon	Summary of COVID-19	Bioinformatics	SILVER		
8	Thailand	secondary	Srinakharinwirot University Prasarnmit Demonstration school (Secondary) (1), Suksanari school (2)	Porwarat Chawanid	The comparison of Highschool Students' awareness of eye strain (Asthenopia) between On-site and Online learning (category: others)	Bioinformatics	BRONZE		
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals		
1	Puerto Rico	Elementary	Escuela Secundaria especializada en Ciencias, Matemáticas y Tecnología	ÁNGEL DANIEL PAGÁN VICENTE	The Relation Between High Cholesterol and Coronary Artery Disease	Bioinformatics	SILVER		
Others									
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals		
1	Thailand	Secondary	Sakolrajwittayanukul School	Risa Intisan	The design and construction of a conveyor based automatic sorting machine using a color scanner	Others	GOLD	iy sa	
2	Indonesia	Secondary	SMAN 21 SURABAYA	Mawla Indra Prameswari	WALPHA - Water Quality Assessment using Biological, Physical, and Chemical Indicators in East Java Rivers	Others	GOLD	MIICA SA	
3	Indonesia	Secondary	SMP IT SAMAWA CENDEKIA	KHAY'ARAH ALIMAH MUHAMMAD ARIF	The Potential of treated Calotropis gigantea Fiber as Stuffing Material of Personal Floating Device	Others	SILVER	MYSO SA	
4	Indonesia	Secondary	Muhammadiyah Junior High School 3 Yogyakarta	Prawiro Negoro Joyo Atmo	Making Wet Tissue Made From Bidara Leaves (Ziziphus Mountiana) As Anti Inflammation	Others	SILVER		
5	Indonesia	Secondary	MA IBAD AR RAHMAN ISLAMIC BOARDING SCHOOL	NUN ILLIYATU FITHRATI RAMDHANI	THE NEOBLE "New Creation of Edible Film"	Others	SILVER		
6	Indonesia	Secondary	MTs Negeri 1 Yogyakarta	El Fathir Saydina	MONALISA ROBOT (Robot for Mopping and Analyzing the Security Around)	Others	SILVER		
7	Indonesia	Secondary	MTs Negeri 7 Sleman	Agnessya Ayu Kiswanti	Hand Cream from a Combination of Guava Leaf and Pineapple Peel Extract	Others	SILVER		
8	Indonesia	Secondary	MA PPMI ASSALAAM	Ahmad Rafie Pradhana	Three-chamber System Dirty Water Purifier Until it is Drinkable	Others	SILVER		
9	Indonesia	Secondary	SMA Negeri 1 Boja	Nurul Wahyu Hidayah	"FUNGUS DESTROYER: PAPAYA SEED EXTRACT AS ANTI-FUNGION FUNGI DISEASES IN CHILLI PLANTS"	Others	BRONZE		
10	Indonesia	Secondary	MA Ibad Ar Rahman IBS	Salsa Tartila Adzkiya Fitrah	Nu Fertilizer "Natural Use Fertilizer And Pesticide"	Others	BRONZE		
11	Singapore	Secondary	Singapore American School	Chaewon Han	Revealing the Relationship Between Later Marriage Age and Alzheimer's Disease via a Data Science Approach: The Downfalls to Having a Secure Marriage	Others	BRONZE	free registration i3o 22	
12	iran	secondary	Avicenna Research Center	Hasti Sabouri	The effect of music on heart rate	Others	BRONZE		
13	South Korea	secondary	St. Johnsbury Academy Jeju	Minsuh Kim	Development of Wildlife and Soil Restorative for the Disaster Area using China's Sargassum honeri, an invasive Algae on the Coast of Jeju Island	Others	BRONZE		
14	Indonesia	Secondary	SMP Negeri 23 MALANG	Aurelya radita putri	TWIMI Tempuh wiyang (Emilia sonchifolia) and mint (Mentha x piperita) as immune booster	Others	BRONZE		
No	Country	Grade	Name Of Institution	Leader Team	Project Title	Category	Medals		
1	Indonesia	University	Lampung University	Dimas Aditia	SI TAWAI (APLIKASI TANI WAWAI): DEVELOPMENT OF SMART LEARNING MEDIA AS AN INTRODUCTION TO LOCAL FOOD SECURITY PROBLEMS DURING THE PANDEMIC	Others	GOLD	MYSO SA	
2	Indonesia	University	JENDERAL SOEDIRMAN UNIVERSITY	Kholifatun Nasya	Healthy-Card: Augmented Reality-Based Health Education Media Innovation for Children in Pandemic COVID-19 Era	Others	GOLD	IYSA SA	
3	Indonesia	University	Islamic State University of Sunan Ampel Surabaya	Alfin Fatwa Mei Afududin	Mie Kan": Plantable-Noodles with edible film packaging from fish bones	Others	GOLD	IYSA SA	
4	Indonesia	University	Brawijaya University	Naufal Rifqi Aulia	The Role of Sidaguri Root Nanogel Extract as an Antibacterial Agent for Gingivitis Treatment	Others	SILVER		
5	Indonesia	University	Sepuluh Nopember Institute of Technology	Salsa Ulyani Rukanda Putri	Healtrion: The Magical Solution of Healthy Lifestyle to Reduce Nutritional Problems in Indonesia	Others	SILVER		
6	Indonesia	University	Brawijaya University	Rifatul Hawani. B	S-BIOT(Smart Biogas Integrated of Things): Biogas Automatic Agitator Technology Development Equipped by Purification and Absorption System Based on IoT	Others	SILVER		
7	Indonesia	University	University of Brawijaya	Muh. Khadafi Kasim	HOOP: The Utilization of Human Feeces Based on MFCs Integrated with Mobile Application as a Tools Produced Electrical Energy to Achieve SDGs 2030	Others	SILVER		

8	Indonesia	University	Universitas Brawijaya	Linda Risalatul Muyasaroh	TOM : DENTAL TOOLBOX PLASMA STERILIZER BASED ON PLASMA AND SOLAR CELLS TOWARD INDUSTRIAL REVOLUTION 4.0	Others	SILVER		
9	Indonesia	University	Universitas Negeri Semarang	Endang Widiyawati	Multi-storey Building-Based Vertical Farming by Utilizing Green Energy from the Sun as a National Food Security Solution	Others	SILVER		
10	Indonesia	University	Universitas Pembangunan Nasional Veteran Jakarta	Mohammad Rayhan Hernadi	READY SOAP: Recycle Dishwashing Soap	Others	SILVER	MYSO SA	
11	Indonesia	University	Brawijaya University	Yasri Rahmawati	(E-STORBANK) Electric Energy Storage Bank To Create Clean And Sustainable Energy Through The Use Of Aluminum Waste	Others	BRONZE		
12	Indonesia	University	Universitas Islam Zainul Hasan Genggong Kraksaan Probolinggo	Iroda Auliya	Avocado oil is a scarce solution for palm oil cooking in communities	Others	BRONZE		
13	Indonesia	University	Brawijaya University	HENDARTO	UTILIZATION OF WASTE ALUMINUM WITH THE CONCEPT OF ELECTRICITY PROVIDER DESIGN TO REALIZE SUSTAINABLE CLEAN ENERGY	Others	BRONZE		