



GOLD AWARD WINNERS

NO	ORGANIZATION NAME	INNOVATION TITLE	CATEGORY
1.	SMA NEGERI 1 DENPASAR	PALMORA: AN AI AND IOT-BASED AUTONOMOUS MONITORING SYSTEM FOR SUSTAINABLE AGRICULTURE AND PLANTATION MANAGEMENT	ENERGY & GREEN TECHNOLOGY
2.	AIS INTERNATIONAL SCHOOL	MINEDU AI (SMART MINECRAFT)	ICT
3.	TARUNA NUSANTARA SENIOR HIGH SCHOOL MALANG CAMPUS	CYCLOFRAC-G: A PRECISION-ENGINEERED HIGH-SELECTIVITY CIRCULAR REFINING PLATFORM FOR MOLECULAR-TARGETED UPGRADING OF PET & PP PLASTIC WASTE INTO TRANSPORTATION-GRADE SUSTAINABLE GASOLINE	ENERGY & GREEN TECHNOLOGY
4.	UNGGUL DEL SENIOR HIGH SCHOOL	IOT-INTEGRATED BACILLUS SUBTILIS AND ASPERGILLUS NIGER BIOREACTOR AS A POLYETHYLENE (PE) MICROPLASTIC DEGRADATION SYSTEM	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION
5.	SMPN 1 DENPASAR	KERAFE: A NATURAL HAIR POWDER ENRICHED WITH CHICKEN FEATHER- DERIVED KERATIN FOR HEALTHIER, STRONGER, AND SHINIER HAIR	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
6.	SMK DAMANSARA JAYA	AI SLEEPY DRIVER DETECTOR	AVIATION AND TRANSPORTATION
7.	SMAS UNGGUL DEL	MICROWARRIOR: A SMART REACTOR WITH REAL-TIME AI CONTROL AND IOT MONITORING FOR OPTIMIZED MICROPLASTIC ADSORPTION USING PINE POLLEN BIOSORBENT	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION



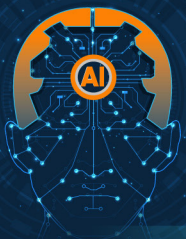
GOLD AWARD WINNERS

NO	ORGANIZATION NAME	INNOVATION TITLE	CATEGORY
8.	SMK BUKIT INDAH	SMART COMPOST BIN: SEMINDA SMART CIRCULARTech COMPOSTING SYSTEM SMART IOT-BASED SUSTAINABLE COMPOSTING WITH AUTOMATED FERTIGATION	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT
9.	SMA NEGERI 5 YOGYAKARTA SMA NEGERI 6 YOGYAKARTA SMA REGINA PACIS SURAKARTA SMA NEGERI 1 KARTASURA	OLYRA: AN INTELLIGENT EEG HEADBAND FOR MULTI-PARAMETER MENTAL HEALTH THERAPY AND ADHD MANAGEMENT	ICT
10.	SMA NEGERI 4 DENPASAR	RU-BRICK: LOW-COST CEMENT-FREE ECOLOGICAL INTERLOCKING BRICKS UTILIZING AGRICULTURAL WASTE (PALM SHELL ASH AND SUGARCANE BAGASSE) WITH NATURAL BIOPOLYMER BINDERS	BUILDING
11.	SMAS UNGGUL DEL	ROOT-GUARD: AN IOT-BASED LANDSLIDES EARLY WARNING SYSTEM FEATURING COMMUNITY MOBILE APPLICATION FOR MONITORING ROOT STABILITY IN TAPANULI REGION	ENERGY & GREEN TECHNOLOGY
12.	SMK SERENDAH	BLACK SOLDIER FLY BOX : BSF BOX	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES
13.	SMA NEGERI 5 SURABAYA	SIBO-NALIQ FORMULA: LOW GLYCEMIC NANO LIQUID SUGAR FROM BORASSUS FLABELLIFER L. AND SONNERATIA CASEOLARIS WHICH HIGH ANTIOXIDANTS FOR DIABETES PREVENTION	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES



GOLD AWARD WINNERS

NO	ORGANIZATION NAME	INNOVATION TITLE	CATEGORY
14.	SMP N 1 MEDAN	DURABATA: THE UTILIZATION OF DURIAN PEEL WASTE AND RICE HUSK ASH AS ENVIRONMENTALLY FRIENDLY COMPOSITE MATERIALS FOR SUSTAINABLE BRICK PRODUCTION BASED ON CIRCULAR ECONOMY PRINCIPLES	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION
15.	SMK TROPICANA	GUARDIANS OF THE BABIES (GOFB)	ICT
16.	SRI BESTARI PRIVATE SCHOOL KUALA LUMPUR (SECONDARY)	AIMBOT X	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES
17.	SRI BESTARI PRIVATE SCHOOL KUALA LUMPUR (SECONDARY)	AIMBOT X	ADVANCED MATERIALS
18.	SM SAINS HULU SELANGOR	ARODIHUE	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
19.	SMA PROGRESIF BUMI SHALAWAT	MINERSAFE: DESIGN OF AN SAFETY MONITORING SYSTEM FOR MINE WORKERS IN LIMITED AREAS BASED ON IOT AND LORA WITH EARLY WARNING SYSTEM FEATURES	SAFETY & SECURITY



GOLD AWARD WINNERS

NO	ORGANIZATION NAME	INNOVATION TITLE	CATEGORY
20.	SMA N 1 MEDAN	PINEZEST: SUSTAINABLE INNOVATION OF ORANGE PEEL AND PINEAPPLE-BASED NATURAL MOUTHWASH FOR CHILDREN TO PROMOTE ORAL HEALTH AND ECO-FRIENDLY WASTE REDUCTION	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
21.	SM SAINS HULU SELANGOR	BIOMAP	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION
22.	SMK TAMAN MEDAN	ROSELLE TEA	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
23.	SMK BANDAR PUCHONG JAYA (A)	ECO GROW KIT	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES
24.	SM SAINS HULU SELANGOR	TRACKEDUTECH	ICT
25.	SM SAINS HULU SELANGOR	PEELUXE COOKIES	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
26.	SMK BUKIT JELUTONG	LUMINA BEANS	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
27.	SMK USJ 4	CARTABLOOM	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES



GOLD AWARD WINNERS

NO	ORGANIZATION NAME	INNOVATION TITLE	CATEGORY
28.	SMK USJ 4	HADRA ECO - FRIENDLY	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
29.	SMK SRI PERAK	FLAGEL	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
30.	SMP NEGERI 3 DENPASAR	MINDORA: AN INTERACTIVE DIGITAL CHECK-UP APPLICATION PROTOTYPE FOR MONITORING AND SUPPORTING ADOLESCENT EMOTIONAL WELLBEING	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
31.	SMK TROPICANA	BAYMAX: AUTOMATION AI CHATBOT	CONSUMER ELECTRONICS
32.	SJK (C) YUK CHAI	AQUAMIND AI	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES
33.	SMA ISLAM PLUS ADZKIA MEDAN	COBCAKE: UTILIZING CORN COB WASTE AS BIOMASS WASTE REDUCTION AND AN INNOVATIVE CAKE FOR DIABETES CONTROL	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION
34.	SMA N 1 MEDAN	NOVACANE: BIOMASS WASTE-BASED COMPOSITE FROM SUGARCANE BAGASSE AND RECYCLED CARDBOARD AS A STRATEGIC SOLUTION FOR DEFORESTATION MITIGATION IN INDONESIA	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION



GOLD AWARD WINNERS

NO	ORGANIZATION NAME	INNOVATION TITLE	CATEGORY
35.	SMA NEGERI 3 BENGKULU TENGAH	UTILIZATION OF DURIAN (DURIO ZIBETHINUS) SEED STARCH, GREEN MUSSEL SHELL (PERNA VIRIDIS) CHITOSAN, AND BUTTERFLY PEA FLOWER (CLITORIA TERNATEA) EXTRACT ANTHOCYANINS AS FRESHNESS-DETECTING EDIBLE FILM FOR MEAT	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
36.	MAAHAD MUHAMMADI PEREMPUAN, KOTA BHARU, KELANTAN	PROTEK.J : SMART SAFETY JACKET WITH ARDUINO UNO R3 INTEGRATION	SAFETY & SECURITY
37.	SMA TARUNA NUSANTARA KAMPUS MALANG	PIEZOFLEX: TRANSFORMING RAILWAY VIBRATIONS INTO CLEAN ENERGY FOR SUSTAINABLE TRANSPORTATION INFRASTRUCTURE	ENERGY & GREEN TECHNOLOGY
38.	SMA NEGERI 4 SURAKARTA, SMA NEGERI 1 SURAKARTA, SMA AL AZHAR SYIFA BUDI SOLO	TRIDENT: AN AUTONOMOUS IOT-DRIVEN WATER QUALITY MONITORING AND MICROPLASTIC FILTRATION SYSTEM FOR MITIGATING SEVERE ANTHROPOGENIC WASTE POLLUTION	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION
39.	SJK (C) YUK CHAI	SAFE IOT (SATELLITE-ASSISTED FIELD EXPLORER)	ICT
40.	SMK DAMANSARA JAYA	COOLFLOW	ENERGY & GREEN TECHNOLOGY
41.	SMA SWASTA SHAFIYYATUL AMALIYYAH	ENZY-POLYBEADS: ENZYME-INTEGRATED BIOPOLYMER HYDROGEL BEADS FOR MICROPLASTIC REMOVAL AND DEGRADATION	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION
42.	SMA PROGRESIF BUMI SHALAWAT	NEXLAB: AN IMMERSIVE GAME-BASED LABORATORY FOR SCIENCE LEARNING	EDUCATION TECHNOLOGY & PEDAGOGY



GOLD AWARD WINNERS

NO	ORGANIZATION NAME	INNOVATION TITLE	CATEGORY
43.	SJK (C) YUK CHAI	FUN LEARNING BRIDGE WITH AI	EDUCATION TECHNOLOGY & PEDAGOGY
44.	SM SAINS HULU SELANGOR	YAMMI SEAL	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION
45.	SBP INTEGRASI RAWANG	KLEPTODINOS: STRESS IS OPTIONAL, SERENITY IS A CHOICE	ICT