



Silver Award Winners (Junior)

NO.	ORGANIZATION	INNOVATION TITLE	CATEGORY
1	SRI BESTARI PRIVATE SCHOOL (SECONDARY)	THE BIONIC FLOWER GARDEN	SPORTS, LEISURE, RECREATIONAL EQUIPMENT, ACTIVE WEAR, WEARABLES
2	SJKC YUK CHAI	IOT MEDIMATE WITH AI	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
3	ISLAMIC SULTAN AGUNG UNIVERSITY	GUA-TELL MOUTHWASH: EFFECTIVENESS OF ANTIBACTERIAL AND ANTIOXIDANT IN GUAVA AND BETEL LEAF EXTRACT TO PREVENT THE DEVELOPMENT OF DENTAL PLAQUE.	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
4	SMP STELLA GRACIA SCHOOL MAKASSAR	ECO-TEG (EICHHORNIA CRASSIPES COMPOSITE-ASSISTED THERMOELECTRIC GENERATOR): A NEW INSIGHT OF A NOVEL INSULATOR MATERIAL FOR HEAT HARVESTING TECHNOLOGY	PROTECTION OF THE ENVIRONMENT WATER, WASTEWATER, SANITATION
5	SMA STELLA GRACIA SCHOOL MAKASSAR AND SECONDARY BPK PENABUR TANJUNG DUREN	ECO-MFC: EICHHORNIA CRASSIPES FERMENTED BIOMASS AS MATERIAL FOR MICROBIAL FUEL CELL	PROTECTION OF THE ENVIRONMENT WATER, WASTEWATER, SANITATION
6	SMP STELLA GRACIA SCHOOL MAKASSAR	ECO-FILTER ; EICHHORNIA BASED COMPOSITE FILTER	PROTECTION OF THE ENVIRONMENT WATER, WASTEWATER, SANITATION
7	SPK SMA TEUKU NYAK ARIF FATIH BILINGUAL SCHOOL	NATURAL ENCHANTMENT: THE MIRACLE OF OLIVE OIL WITH PURE FRAGRANCE OF CHAMPACA OIL (MICHELIA CHAMPACA) FOR HEALTH, BEAUTY AND THE ENVIRONMENT	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES



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8	SMP AL-HIKMAH SURABAYA	GEMAS NUGGET : FORTIFICATION FROM (RASTRELLIGER SP) WASTE AND CORN FLOUR (ZEA MAYS) AS AN ALTERNATIVE FOOD PROCESSING PRODUCTS HIGHLY NUTRITION TO PREVENT STUNTING	MACHINERY, EQUIPMENT AND TOOLS AND MANUFACTURING PROCESS (HEAVY EQUIPMENT, INDUSTRIAL MACHINERY)
9	SMA SWASTA HARAPAN 3 DELI TUA	ZESTIORA (ZANTHOXYLUM AND MORINGA): HARNESSING MORINGA LEAVES (MORINGA OLEIFERA LAM) AND ANDALIMAN (ZANTHOXYLUM ACANTHOPODIUM) AS ANTI-ACNE GUARDIAN	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
10	SMA SWASTA HARAPAN 3 DELI TUA	GROW (GREEN REUSE OF ORGANIC WASTE) ON PINEAPPLE SKIN AS A CAR BODY AND WINDOW CLEANING FLUID	PROTECTION OF THE ENVIRONMENT WATER, WASTEWATER, SANITATION
11	SMP AL-AZHAR ASY-SYARIF SUMATERA UTARA	ZEE BODY LOTION: LOTION FROM LAUREAL EXTRACT	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
12	QUBA ISLAMIC SCHOOL	MIMA (MICROPLASTIC MITIGATION MASTERY): ADVANCED TOOLS TO DETECT AND REDUCE MICROPLASTICS	PROTECTION OF THE ENVIRONMENT WATER, WASTEWATER, SANITATION
13	SMP HARAPAN 1 MEDAN	PYROFUEL : UTILIZATION OF PLASTIC WASTE INTO LIQUID FUEL USING PYROLYSIS METHOD AND PAVING BLOCKS PRODUCTION AS VALUE ADDED PRODUCTS	PROTECTION OF THE ENVIRONMENT WATER, WASTEWATER, SANITATION
14	SMA NEGERI 2 SURABAYA	LIFEALERT: INTEGRATED HEALTH MONITORING AND EARLY WARNING DEVICE	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
15	SEKOLAH HIGHSOPE TB SIMATUPANG	GEMPITA, "GENERASI MENUJU PINTAR"	EDUCATION TECHNOLOGY & PEDAGOGY



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16	SMA NEGERI 2 PLUS SIPIROK	ECO REISE-1	PROTECTION OF THE ENVIRONMENT WATER, WASTEWATER, SANITATION
17	SMA NEGERI 3 DENPASAR	BULLETPROOF FROM COMBINATION OF GEBANG FIBER (CORYPHA UTAN), JUTE FIBER (BOEHMERIA NIVEA), CANVAS FABRIC, AND TETORON FABRIC	INDUSTRIAL AND PRODUCT DESIGN, WEB INTERFACE DESIGN & PRINTING TECHNOLOGY
18	SMA SWASTA SHAFIYYATUL AMALIYYAH	KL-ONE	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
19	SMA SWASTA SHAFIYYATUL AMALIYYAH	BLOOMSITE	ICT
20	SMA SWASTA SHAFIYYATUL AMALIYYAH	SUSTAINABLE BRIQUETTES MADE FROM ORGANIC WASTE	PROTECTION OF THE ENVIRONMENT WATER, WASTEWATER, SANITATION
21	SMA SWASTA SHAFIYYATUL AMALIYYAH	NUTRILABU OATS	SPORTS, LEISURE, RECREATIONAL EQUIPMENT, ACTIVE WEAR, WEARABLES
22	SMA NEGERI 1 DENPASAR	SKIN WHEAT - SUNSCREEN MADE FROM RICE BRAN	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
23	SMAN 5 SURABAYA	"SPYGO" MANGO (MANGIFERA INDICA) BASED GUMMY FORTIFIED WITH IRON SUBSTANCE FROM GREEN SPINACH (SPINACIA OLERACEA L.) LEAVES AS AN AGENT IN PREVENTING AND OVERCOMING ANEMIA AMONG TEENAGERS.	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES



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24	SMAN 5 SURABAYA	INNOVATION OF BAY LEAF (SYZYGium POLYANTHUM) AS NANOEMULGEL FOR OSTEOARTHRITIS TREATMENT	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
25	SMAN 5 SURABAYA	SUSTAINABLE FASHION REVOLUTION : CRAFTING ZERO CARBON SHOE FROM NAUTRAL MATERIAL AND HAND-PAINTED CANVAS UPPERS	INDUSTRIAL AND PRODUCT DESIGN, WEB INTERFACE DESIGN & PRINTING TECHNOLOGY
26	SMAN 5 SURABAYA	SEA OSPOD 2.0: OILS SPILL PURIFICATION AND OBSERVATION DEVICE BASED ON DRONE AND AUTONOMOUS SURFACE VEHICLE MAPPING WITH SUPEROLEOPHILIC AND SUPERHYDROPHOBIC MESH	PROTECTION OF THE ENVIRONMENT WATER, WASTEWATER, SANITATION
27	SMK USJ 4	HADRA ECO-FRIENDLY	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
28	SEKOLAH MENENGAH KEBANGSAAN SUNGAI PUSU	NK BEUTEENTM: INVENTED SUSTAINABLE MATERIALS FOR SAFER TEENAGERS' SKINCARE SOLUTION	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
29	SMK SAUJANA UTAMA	LINNxE BALM	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES
30	PSMART UITM CPP-ICU JPM-JPNPP	MC_RUST: INNOVATIVE AND GREEN CORROSION INHIBITOR	ADVANCED MATERIALS
31	PSMART UITM CPP-ICU JPM-JPNPP	KIWYPOT: BIODEGRADABLE CELLULOSE MUSACEAE POLYBAG	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES
32	PSMART UITM CPP-ICU JPM-JPNPP	BANABOND GLUESTICK	PROTECTION OF THE ENVIRONMENT WATER, WASTEWATER, SANITATION



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33	PSMART UITMCPP- ICU JPM-JPNPP	MY KIRA	ICT
34	PSMART UITMCPP- ICU JPM-JPNPP	AUTOMATIC FOLDING CLOTHES (A.F.C)	INDUSTRIAL AND PRODUCT DESIGN, WEB INTERFACE DESIGN & PRINTING TECHNOLOGY
35	PSMART UITMCPP- ICU JPM-JPNPP	EARTHGLOW	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES