



## ASIAN YOUTH INNOVATION AWARDS 2022

## *Gold Winners (Junior)*

INNOVATION TITLE	CATEGORY	ORGANIZATION
ECO MOBILE BASIN	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	SJK CHUNG HUA PANGKALAN BARU, SARAWAK
STERILOCK	CONSUMER ELECTRONICS	CHULALONGKORN UNIVERSITY DEMONSTRATION ELEMENTARY SCHOOL
INSURE BOX (INSULIN REGULATOR AND ENUCIATOR BOX FOR PURBLINDNESS)	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	BANGKOK CHRISTIAN COLLEGE
RELEEP - A NEW LIFESTYLE TECHNOLOGY	CONSUMER ELECTRONICS	THAILAND INVENTORS CLUB (BY N CONNECT)
MAGNETIC FLUID IN VISUAL ART	MANUFACTURING PROCESS AND ADVANCED MATERIALS	NATIONAL CENTER "JUNIOR ACADEMY OF SCIENCES OF UKRAINE"
PECULIARITIES OF SOLIDAGO CANADENSIS (L.) DISTRIBUTION IN PHYTOCENOSSES OF LUTSK	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	NATIONAL CENTER "JUNIOR ACADEMY OF SCIENCES OF UKRAINE"
QUADCOPTER MINES DETECTOR	ICT	NATIONAL CENTER "JUNIOR ACADEMY OF SCIENCES OF UKRAINE"
METHOD OF PROSTHETIC VISION	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	NATIONAL CENTER "JUNIOR ACADEMY OF SCIENCES OF UKRAINE"
SMART GREENHOUSE	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	NATIONAL CENTER "JUNIOR ACADEMY OF SCIENCES OF UKRAINE"



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AI & AR BASED MOBILE APPLICATION FOR TWO-WAY BAHASA ISYARAT MALAYSIA (BIM) TRANSLATOR	ICT	KOLEJ GENIUS@PINTAR NEGARA, UNIVERSITI KEBANGSAAN MALAYSIA
STEM @ HOME	EDUCATION TECHNOLOGY & PEDAGOGY	STEM UNISEL, UNIVERSITI SELANGOR
SMART BEACH: AUTOMATION OF WIND AND OCEAN CURRENT POWER GENERATION THROUGH HELIX SAVONIUS AND	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	QUBA ISLAMIC SCHOOL
MAGIC: MRSA TREATMENT POTENTIAL ANTIBIOTICS FROM ALICIN OF GARLIC (ALLIUM SATIVUM) FOR SKIN INFECTION	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	TUNAS DAUD HIGHSCHOOL, ROOTS EDUCATION
GRAIN SEGREGATOR	MANUFACTURING PROCESS AND ADVANCED MATERIALS	SMK SERI GARING
TERMA	MANUFACTURING PROCESS AND ADVANCED MATERIALS	SMK SERI GARING
DURIAN PEEL BRIQUETTES CHARCOAL	MANUFACTURING PROCESS AND ADVANCED MATERIALS	SEKOLAH MENGENGAH SAINS TAHFIZ ALOR SETAR (SEMESTI)
THE UV WARRIOR	MACHINERY, EQUIPMENT AND TOOLS (HEAVY EQUIPMENTS, INDUSTRIAL MACHINERY)	NATIONAL ASSOCIATION FOR SCIENCE AND RESEARCH



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WATER PURIFICATION THROUGH A COMBINATION METHODS OF FILTRATION AND COAGULATION	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	BINA AMAL INTERGRATED ISLAMIC SENIOR HIGH SCHOOL
ISENSORY AS AN ALERTING DEVICE FOR VISUAL AND HEARING IMPAIRED PEOPLE	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	PUSAT GENIUS@PINTAR NEGARA, UNIVERSITI KEBANGSAAN MALAYSIA
EZ SMASH-SEED TRANSFER TOOL SET	AGRICULTURAL, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES	SMK SUNGAI MANGGIS
AUTOMATIC LITTERBOX CLEANER	MANUFACTURING PROCESS AND ADVANCED MATERIALS	IDRISSI INTERNATIONAL SCHOOL
HIGH-EFFICIENCY SOLAR CELLS WITH THERMAL INSULATION AND LIGHT TRANSMISSION	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	N/A
UV DISINFECTION PHONE CASE	CONSUMER ELECTRONICS	TAIPEI MUNICIPAL YONGCHUN SENIOR HIGH SCHOOL
MOBILE PHONE SAFETY PROTECTION CHARGING STAND CAPABLE OF SETTING TEMPERATURE AND POWER	CONSUMER ELECTRONICS	KUANGJEN CATHOLIC HIGH SCHOOL
REISHI MUSHROOM CULTURE VESSEL	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	N/A



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IOT LIFE GUARDIAN	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	SJKC YUK CHAI (TEAM ROBOWIS)
CONVID 19 : A NOVEL FACE MASK QUALITY DETECTOR	ELECTRICITY	SK DATO' WAN KEMARA
PLANT VAC.	AGRICULTURAL, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES	THAMMASAT UNIVERSITY
FOLDABLE MOTORIZED WALKER FOR STABILITY AND BALANCING	CONSUMER ELECTRONICS	POLITEKNIK PREMIER SULTAN SALAHUDDIN ABDUL AZIZ SHAH
LUXURY HYACINTH FURNITURE	INDUSTRIAL AND PRODUCT DESIGN, WEB INTERFACE DESIGN & PRINTING TECHNOLOGY	RAJAMANGALA UNIVERSITY OF TECHNOLOGY THANYABURI, THAILAND
RESEARCH DATA ANALYSIS INDICATOR CHART (REDAIC)	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	POLITEKNIK PREMIER SULTAN SALAHUDDIN ABDUL AZIZ SHAH
PILLOW FILLING MACHINE (PRO-FILLER) FOR SMES AND PEOPLE WITH DISABILITIES (PWD)	EDUCATIONTECHNOLOGY & PEDAGOGY	POLITEKNIK PREMIER SULTAN SALAHUDDIN ABDUL AZIZ SHAH
RUNNING RANGERS GAME	EDUCATION TECHNOLOGY & PEDAGOGY	UNIVERSITI PENDIDIKAN SULTAN IDRIS
SYNTHESIS OF MOF HKUST-1 WITH ADDITIONAL ZIF-8 AS ADSORBENT OF CONGO RED DYES	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	INSTITUT TEKNOLOGI SEPULUH NOPEMBER



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MISSER (MYIASIS SPRAY GEL BAMBOO SHOOT) : ALTERNATIVE BIOLARVASIDA FLY LARVAE (CHRYSOMYA BEZZIANA) INFECTIOS MYIASIS BY USING SHOOTS BAMBOO APUS (G. APUS)	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	UNIVERSITAS DIPONEGORO
MAM'S RICE	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	BRAWIJAYA UNIVERSITY
CLIMBIC	EDUCATION TECHNOLOGY & PEDAGOGY	UNIVERSITI PENDIDIKAN SULTAN IDRIS
PRODUCING GREEN DISPOSABLE OBJECTS	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	LAO CAI HIGH SCHOOL FOR GIFTED STUDENTS
FINITE ELEMENT MODELLING OF SETTLEMENT ESTIMATE IN PILE GROUP	BUILDING	UNIVERSITI MALAYSIA PERLIS
MGS-YOUNG+: A NEW SUSTAINABLE GREEN COSMECEUTICAL FACE CREAM WITH REJUVENATING PROPERTIES	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	UCSI UNIVERSITY
PERIODIC TABLE GAME	EDUCATION TECHNOLOGY & PEDAGOGY	UNIVERSITI SULTAN ZAINAL ABIDIN
HELMHOLTZ RESONATOR: A RENEWABLE LOW- FREQUENCY ACOUSTIC ENERGY HARVESTER	MACHINERY, EQUIPMENT AND TOOLS (HEAVY EQUIPMENTS, INDUSTRIAL MACHINERY)	UNIVERSITI MALAYSIA PERLIS



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METHOD FOR IDENTIFYING THE MOLECULAR CONFIGURATION OF GANODERIC ACID A FROM GANODERMA LUCIDUM	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	N/A
I-VENDOR	SOCIAL INNOVATIONS & ENTREPRENEUR MANAGEMENT	POLITEKNIK KOTA KINABALU
SMART AGRICULTURE FARMING (SAFAR)	TELECOMMUNICATIONS, INFRASTRUCTURE & BROADCAST	INSTITUT KEMAHIRAN BELIA NEGARA PEKAN
HOME AUTOMATION SYSTEM	CONSUMER ELECTRONICS	POLITEKNIK KOTA KINABALU SABAH
ECO WET CLEANER: ANTI-GERM THAT FERTILISES	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES	STEM FOUNDATION CENTER, UNIVERSITI MALAYSIA TERENGGANU
SHUN WRISTBAND	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	STEM FOUNDATION CENTER, UNIVERSITI MALAYSIA TERENGGANU
LA BEAUTE DES DECHETS	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	STEM FOUNDATION CENTER, UNIVERSITI MALAYSIA TERENGGANU
CREATIVE ART USING GREEN PAPER	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	SMK TENGKU MAHMUD
SUSTAINABLE MULTIPURPOSE COFFEE TABLE	INDUSTRIAL AND PRODUCT DESIGN, WEB INTERFACE DESIGN & PRINTING TECHNOLOGY	POLITEKNIK IBRAHIM SULTAN



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THE EXTRACT OF VIETNAMESE CLITORIA TERNATEA FLOWER SUPPRESSED INFLAMMATION AND INSULIN RESISTANCE ACTIVITIES	HEALTHCARE, PERSONAL CARE TECHNOLOGY, BIOTECHNOLOGY AND LIFE SCIENCES	VNU UNIVERSITY OF SCIENCE
AUTOMATIC WATERING HYDROPONIC PLANTS WITH ULTRASONIC SENSOR AND EC METER DETECTION BY USING NODEMCU ESP8266 VIA BLYNK APPS	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES	MARA - JAPAN INDUSTRIAL INSTITUTE (MJII)
FABRICATION OF BIOMASS POWERED NATURAL CONVECTION KILN FOR BAMBOO CHARCOAL PRODUCTION	AGRICULTURE, LIVESTOCK & HORTICULTURE, AQUACULTURES & FISHERIES	KOLEJ KEMAHIRAN TINGGI MARA KEMAMAN
CHILD PRESENCE DETECTION SYSTEM USING ARDUINO ATMEGA 2560 WITH PIR MOTION SENSOR, VOICE SENSOR AND ULTRASONIC SENSOR	SAFETY & SECURITY	MARA - JAPAN INDUSTRIAL INSTITUTE (MJII)
CUT OFF AIR CONDITIONER POWER SUPPLY FOR HOMESTAY USING ESP8266 WITH BLYNK MONITORING INTERFACE	INDUSTRIAL AND PRODUCT DESIGN, WEB INTERFACE DESIGN & PRINTING TECHNOLOGY	MARA - JAPAN INDUSTRIAL INSTITUTE (MJII)
3G FURNITURE	PROTECTION OF THE ENVIRONMENT, ENERGY, WATER, WASTEWATER, SANITATION & GREEN TECHNOLOGY	INSTITUT KEMAHIRAN MARA (IKM) SUNGAI PETANI
EARLY CHILDHOOD LEARNING VIA STEM MODULE: LEARNING LOCAL FRUITS THROUGH AUGMENTED REALITY & GAMES	EDUCATION TECHNOLOGY & PEDAGOGY	UNIVERSITY MALAYSIA SABAH, JABATAN KEMAJUAN MASYARAKAT (KEMAS) & IPGK GAYA KOTA KINABALU