

**ASIAN YOUTH INNOVATION AWARDS 2019**  
**MALAYSIA TECHNOLOGY EXPO 2019**  
 21-23 February 2019, PWTC Kuala Lumpur

SILVER MEDALIST

NO	ORGANIZATION, COUNTRY	INVENTOR/S	TITLE OF INVENTION / INNOVATION
1	INDONESIA INVENTION AND INNOVATION PROMOTION ASSOCIATION (INNOPA), INDONESIA	RINDIANA HANIF LARASATI, NUZULUL KHAIRU NISSA, INDAH SULISTYORINI, ATRILIA SURANINGSIH, ZUSRI AMINATUN	APPLICATION OF FIBONACCI SEQUENCE TO MAKE THE MOTIF OF BATIK WITH JUMPUTAN TECHNIQUE
2	INDONESIA INVENTION AND INNOVATION PROMOTION ASSOCIATION (INNOPA), INDONESIA	MUKHLIS IBRAHIM, BUNGA YULIANA, IRA YESICA SAMOSIR, AINI ZAHARA	BREFEKS (UMBRELLA FOR LATEX): RIGHT TECHNOLOGY FOR LATEX PROTECTION UMBRELLA AS A RAIN SOLUTION IN THE EFFORTS TO INCREASE THE ECONOMY OF RUBBER FARMERS (HEVEA BRAZILIENSIS) IN INDONESIA
3	INDONESIA INVENTION AND INNOVATION PROMOTION ASSOCIATION (INNOPA), INDONESIA	JATMI PUSPITA JANUARTI, HESTIKA MITYA MARLIANA, NADYA DWI ARINI, NURUL FAUZI, ADE WAHYU RISTIYONO, SEVIANA RINAWATI, SKM.,M.SI	CAMMVEASIS: NATURAL ANTISEPTIC HANDWASH INNOVATION AS AN POTENTIAL OPTIMIZATION OF NATURAL RESOURCES TO ACHIEVE A SUSTAINABLE DEVELOPMENT GOALS (SDGS 2030).
4	INDONESIA INVENTION AND INNOVATION PROMOTION ASSOCIATION (INNOPA), INDONESIA	ARIKA SARI, DIKI WAHYUDI, GEDE MUDITA EDI PUTRA, MOHAMMAD SULTHAN ALIF UTAMA, RISDA INTAN SISTYAWATI, IR. REPI AL RAHMAD	ENIMO , A BOOK FOR FUTURE STEAM ENTREPRENEUR !
5	INDONESIA INVENTION AND INNOVATION PROMOTION ASSOCIATION (INNOPA), INDONESIA	ALIF YUDHA SYAHPUTRA, NANDI MAULANI NASHRUDDIN, ADITYA VERRY SAPUTRA, TITO YUDATAMA, RYAN NURSYAHRUL, LISA PURWANDARI RAHAYU, RAHMI MUTIA MAWARDI	FLOODECT: INOVATION FLOOD DETECTION SYSTEM BASED ON ARDUINO UNO WITH ULTRASONIC SENSOR HC-SR04 AND MODULE GSM SIM 800L
6	INDONESIA INVENTION AND INNOVATION PROMOTION ASSOCIATION (INNOPA), INDONESIA	NOREKA ELISABETH FEBRIYANTI, FRIDHA FADHLURRAHMA, NANI MUFTIHAH, SAYIDAH MAFISAH NURROMADHONI, ARI WIBOWO, MAWAR IRMA SIGITA	FOLTABLE (FOLDING TABLE)
7	INDONESIA INVENTION AND INNOVATION PROMOTION ASSOCIATION (INNOPA), INDONESIA	ADHYAKSA MUR'ARSETYO PRAMESWARA, FAKHRI MAULANA, FIRMAN NURRAHMAD EFFENDI, MUHAMMAD ARIF MAULANA, ABU LAIS, FAKHRIZAL AZKA RAMADHAN, MUHAMMAD SYAUQI LAHTSAL HAQ	OSWALD (OCEAN POWERED OSCILLATING WATER COLUMN FOR DESALINATION) SOLUTION FOR CLEAN WATER AND CLEAN ENERGY CRISIS

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8	INDONESIA INVENTION AND INNOVATION PROMOTION ASSOCIATION (INNOPA), INDONESIA	AMANDA ANATASYA, DIMAZ AJI LAKSONO, IMAM MAHDI, EVANY FASYA, RETNO WULANSARI	SMART ADSORBENT OF PLUMBUM (SAP) : EFFECT OF ACIDITY LEVEL IN RECRYSTALLIZATION OF NATURAL ZEOLITE AS LEAD ADSORBENT
9	INDONESIA INVENTION AND INNOVATION PROMOTION ASSOCIATION (INNOPA), INDONESIA	KHARISMA LUTHFIARATRI RAHAYU / NOR BASID ADIWIBAWA PRASETYA, S.SI, M.SI, PH.D, UMI RAHMAWATI, NADINDA AGUSTINA, SHABRINA RISKYA MADJID, ATHA RIFQIA PRADANA	TITANIUM DIOXYDE AS PHOTOCATALYST DEGRADATION IN VEHICLE FUMES AND AS SELF CLEANING
10	INDONESIA INVENTION AND PROMOTION ASSOCIATION (INNOPA), INDONESIA	FANI FAHRIYAN SYAH, DELLA WIDYA PUSPITA, NOOR LAILA SAFITRI, ANNISA YULINA SUSILOWATI, HIMMATUL ULYA , ALFI FAZA NOVALIA IRSA	MACHO (ZEA MAYS AND CHLORELLA SP.) ANALOG RICE FORMULATION WITH HIGH PROTEIN MADE FROM CORN FLOUR WITH ADDITION OF CHLORELLA SP. FOR STUNTING CHILDREN
11	KOLEJ KEMAHIRAN TINGGI MARA SRI GADING, MALAYSIA	MOHAMAD NAZIM FAKHRI BIN SALEHUDIN, NURUL FIRZANAH BINTI FAIZAL, NUR FADZREEN BINTI MD AWAI, NURUL NADIAH BINTI MOHAMMAD ADANAN, MOHD ZULKEFLY BIN HAMZAH	AVENIR PANEL
12	MECHANICAL DEPARTMENT POLITEKNIK PORT DICKSON, MALAYSIA	ZULKARNAIN JAMAK, MOHD SAHRIZAN BIN SAHRUDIN, THEVENDREN A/L MANOHARAN, MUHAMMAD AMIRUL MUKMININ BIN RIDZUAN, IMAN SAH PAJOL BIN INDRA, MUHAMMAD FARHAN BIN FAHRURAZI	ADJUSTABLE ANGULAR WELDING MAGNET (AAWM)
13	POLITEKNIK NILAI NEGERI SEMBILAN, MALAYSIA	MUHAMMAD ZIKRI NAZIRUL BIN ZAMRY, MOHAMMAD HAFIZ BIN MD ANUAR, WAN SYAFIKA BINTI AFANDI, MUHAMMAD AMIR NAJMI BIN MOHD ROSLAN	MIXER AND FILLER AUTOMATIC MACHINE
14	QUEST INTERNATIONAL UNIVERSITY, MALAYSIA	CHAI FUNG ROUNG, LIM TIM CHOONG, CHEONG LEYI	MICROCONTROLLER SOLLAR TRACKER