

Agricultural Engineering

Gold Medal

Name	Institution	Title
Diaz Habib Dananta, Wilda Monicha Mukti, Diah Nur Rahmi, Andri Prima Nugroho*, Lilik Sutiarsa	Universitas Gadjah Mada	THREE-DIMENSIONAL (3D) RECONSTRUCTION OF PLANT USING CLOSE RANGE PHOTOGRAMMETRY FOR LEAF TYPE VARIATIONS

Silver Medal

Name	Institution	Title
Siti Zul Lailee Kamsan*, Wan Nor Zanariah Zainol @ Abdullah	Universiti Putra Malaysia	MAPPING OF BLACK PEPPER FARM USING LANDSAT 8 OLI AND SUPERVISED CLASSIFICATION

Bronze Medal

Name	Institution	Title
Nur Adibah Mohidem, Muhamad Irfan Ab Rahman, Nik Norasma Che'Ya*, Wan Fazilah Fazlil Ilahi, Mohd Amir Sabrin Zamri	Universiti Putra Malaysia	DEVELOPMENT OF GEO-TAGGING SYSTEM AND CROP MONITORING USING AERIAL IMAGERY AND VEGETATION INDICES ALGORITHM

Food Engineering

Gold Medal

Name	Institution	Title
Desy Putri Utami*, Ir. Sukardi, Claudia Gadizza Perdani	Universitas Brawijaya	OPTIMIZATION OF DRYING TIME AND FOAM THICKNESS ON THE PRODUCTION OF MICROWAVE-DRIED EGG WHITE POWDER

Silver Medal

Name	Institution	Title
Anggraeni Intan Maharani*, Riska Amalia Abrianti, Novita Dyah Pitaloka, Aryanis Mutia Zahra, Siti Mariyam	Universitas Gadjah Mada	GREEN EXTRACTION METHODS FOR POLYPHENOL AS ACTIVE COMPOUND FROM COCOA BEAN SHELL

Bronze Medal

Name	Institution	Title
I Nyoman Anggie Prathista*, I Putu Fadya Rachmawan, Gusti Putu Surya Govinda Atmaja, Manikharda, Andriati Ningrum	Universitas Gadjah Mada	ALL CAN EAT MEAT: 3D-PRINTED MEAT ANALOGUE WITH BROAD BEANS TO MAINTAIN ASEAN FOOD SECURITY

Biotechnology

Gold Medal

Name	Institution	Title
Lilis Nur Fitriani*, Siti Miftachul Jannah, Kresna Purwandaru, Mochamad Nurcholis	Universitas Brawijaya	CRISPR/CAS9 (CLUSTER REGULARLY INTERSPACED SHORT PALINDROMIC REPEAT/ASSOCIATED PROTEIN-9) TECHNOLOGY AS GENETIC THERAPY OF TYPE 1 DIABETES MELLITUS PATIENTS

Silver Medal

Name	Institution	Title
Nur Afiqah Ali, Nor Shafinaz Azman, Nozieana Khairuddin*	Universiti Putra Malaysia	FUNCTIONAL NANO-CATALYST IMPREGNATED WITH TRANSITION METAL FROM WASTE EGGSHELL AS SUPPORT FOR BIODIESEL PRODUCTION VIA TRANSESTERIFICATION

Name	Institution	Title
Isbakhul Lailatil Fibriyah*, Nadiyah Eka Nurizza, Quinнике Aisy Maskurin	Universitas Brawijaya	POTENTIAL STUDY OF CUTINASE NANO-IMMOBILIZATION FROM FUSARIUM SOLANI AS POLYETHYLENE TEREPHTHALATE PLASTIC WASTE DEGRADATIVE ENZYME

Bronze Medal

Name	Institution	Title
Haida Setyani*, Noveria Anggi Nurrahmah, Yesica Meiliana Widiastuti, Siti Mariyam, Joko Nugroho Wahyu Karyadi	Universitas Gadjah Mada	LACTAID "FAST ACT LACTOSE INTOLERANCE RELIEF" DAIRY SUBSTITUTION FROM MUNG BEAN (VIGNA RADIATA, L.) TEMPEH WITH CHOCOLATE FLAVOUR FOR LACTOSE INTOLERANCE PEOPLE

Green Technology

Gold Medal

Name	Institution	Title
Dk. Nasriah Rabiatal Adawiyah Pg Abdul Karim, Amanda Liew Wei Yi, Nurul 'Aqilah Asyahirah Abd Aziz, Faizah Metali*	Universiti Brunei Darussalam	MULCH YOUR GARDEN: USING ORGANIC MULCHING FROM SEAWEEDES

Silver Medal

Name	Institution	Title
Meutia Cahya Kusuma*, Nadya Hafidzatun Nisa, Esti Krisjulianingrum, Aryanis Mutia Zahra, Radi	Universitas Gadjah Mada	CROP WASTE HYDROGEL FACTORY MANAGEMENT UTILIZING IOT SYSTEM FOR SUSTAINABLE WATER SCARCITY SOLUTION

Bronze Medal

Name	Institution	Title
Yubi Vebiona Hartono*, Ni Putu Eka Dwi Yanti, Oki Trisna Sekar Arum, Dimas Firmanda Al Riza, Joko Prasetyo	Universitas Brawijaya	HUGI(BOX)CINE: ECO-PACKAGE-RECIPIENT UTILIZE SOLAR CELL WITH UVC AND DISINFECTANT

Agricultural Waste Management

Gold Medal

Name	Institution	Title
Nor Hanifawati Inai*, Azizul Hakim Lahuri*, Jamie Lazaroo, Nur Khairunnisa Mohd Kamaruzaman, Logeswary Muniandy	Universiti Putra Malaysia	MECHANICAL AND PHYSICAL PROPERTIES OF BANANA/GLASS FIBRE REINFORCED POLYESTER COMPOSITES

Silver Medal

Name	Institution	Title
Dhanu K. Farobby*, Rizal Arifiandika, Evi Kurniati	Universitas Brawijaya	ELECTRICAL PRODUCTIVITY ANALYSIS FROM BANANA PEELS AND ORANGE PEELS BIOMASS WASTE USING MICROBIAL FUEL CELL (MFC) TECHNOLOGY AS AGRICULTURAL SOLID WASTE MANAGEMENT ALTERNATIVE

Bronze Medal

Name	Institution	Title
Rafiq Usdiqa Maulana*, Riyanti Zhafirah Makrudi, Sania Isma Yanti	Universitas Brawijaya	EXPLORATION OF THE POTENTIAL ROLE AND ECONOMIC VALUE OF AGRICULTURAL WASTE FOR BIOGENIC NANOSILICA PRODUCTION