

2nd RAVTE Students Innovation Awards - List of papers and room for presentation (22/05/2023)

Room-1 Graduate

PaperID	Research/Project Title	Name of University/College/ Institute	Country	Category of Work
RA-G001	Innovation Of Mackintosh JKR Probe (Electrical Part)	KKTM SRI GADING	Malaysia	Group A Innovations in technology and industry
RA-G002	Smart farm (Mini Plant)	Rajamangala University of Technology Thanyaburi	Thailand	Group A Innovations in technology and industry
RA-G003	FINGERPRINT SENSOR WITH MAGNETIC LOCK	Rajamangala University of Technology Thanyaburi	Thailand	Group A Innovations in technology and industry
RA-G004	Student Evaluation System for Kolej Kemahiran Johor	Universiti Teknologi Malaysia	Malaysia	Group A Innovations in technology and industry
RA-G005	Preparation, Characterization, and Test of Catalytic Activity of CuNi/Silica based on Lapindo Mud in the Synthesis of Bio Jet Fuel from Palm Kernel Oil via HEFA Process	Universitas Negeri Malang	Indonesia	Group B Innovations in energy / environment / safety
RA-G006	KUAH LODEH POWDER	INSTITUT KEMAHIRAN BELIA NEGARA KEMASIK (IKBN)	Malaysia	Group C Innovations in agricultural technology and food product
RA-G007	INSTANT PREMIX KEROPOK LEKOR	INSTITUT KEMAHIRAN BELIA NEGARA KEMASIK (IKBN)	Malaysia	Group C Innovations in agricultural technology and food product
RA-G008	Automation in a Two-Wheeled Drive Hand Tractor Using the Embedded Control System	Rajamangala University of Technology Thanyaburi	Thailand	Group C Innovations in agricultural technology and food product
RA-G009	WIRE STRENGTHENER (WS)	KOLEJ KEMAHIRAN TINGGI MARA (KKTM)	Malaysia	Group C Innovations in agricultural technology and food product
RA-G010	A Systematic Literature Review on the Agricultural Technology Adoption Decision among Asian Farmers	UNIVERSITI TUN HUSSEIN ONN MALAYSIA	Malaysia	Group C Innovations in agricultural technology and food product

Room-2 Graduate

PaperID	Research/Project Title	Name of University/College/ Institute	Country	Category of Work
RA-G011	Chili Cutter	Universiti Tun Hussein Onn Malaysia	Malaysia	Group C Innovations in agricultural technology and food product
RA-G012	BOLUSION drinks shot	Rajamangala University of Technology Thanyaburi	Thailand	Group C Innovations in agricultural technology and food product
RA-G013	Revitalizing Cognitive Abilities in Offspring of Obese Dams with Elateriospermum Tapos Yoghurt: A Therapeutic Breakthrough	Universiti Putra Malaysia	Malaysia	Group D Innovations in medicine and herb
RA-G014	Nalongna spray Nanoemulsions	Rajamangala University of Technology Thanyaburi	Thailand	Group D Innovations in medicine and herb
RA-G015	Development of Effervescent tablets from Piper sarmentosum extract	Rajamangala University of Technology Thanyaburi /Faculty of Integrative Medicine/	Thailand	Group D Innovations in medicine and herb
RA-G016	Assessing Stroke Patient's Upper Limb Performance Using Rehabilitation and Assessment Device (ReHAD)	Universiti Tun Hussein Onn Malaysia (UTHM)	Malaysia	Group E Innovations in quality-of-life improvement
RA-G017	Thinking Style and Inventive Problem-Solving Skill Module for Primary School	Universiti Tun Hussein Onn Malaysia (UTHM)	Malaysia	Group G Innovations in educational construction
RA-G018	Developing an Inventive Problem-Solving Skills (IPSS) Module for Invention	Universiti Tun Hussein Onn Malaysia (UTHM)	Malaysia	Group G Innovations in educational construction
RA-G019	Heutagogical E-Module for Measuring Instruments in Electrical Technology Certificate Program	Universiti Tun Hussein Onn Malaysia (UTHM)	Malaysia	Group G Innovations in educational construction
RA-G020	Nominal group technique application towards design of components and elements of non-digital game framework	Universiti Tun Hussein Onn Malaysia, Johor, Malaysia	Malaysia	Group G Innovations in educational construction

Room-3 Undergraduate

PaperID	Research/Project Title	Name of University/College/Institute	Country	Category of Work
RA-U001	Lightweight Eggshell Brick	Kolej Kemahiran Tinggi MARA Sri Gading	Malaysia	Group A Innovations in technology and industry
RA-U002	Mini cnc	Rajamangala University of Technology Thanyaburi	Thailand	Group A Innovations in technology and industry
RA-U003	Automatic door and temperature detection	Rajamangala University of Technology Thanyaburi	Thailand	Group A Innovations in technology and industry
RA-U004	A walking rehabilitation machine for patients	Rajamangala University of Technology Thanyaburi	Thailand	Group A Innovations in technology and industry
RA-U005	TOTALLY INTEGRATED AUTOMATION MANUFACTURER TRAINER	rajamangala university of technology thanyaburi	Thailand	Group A Innovations in technology and industry
RA-U006	Automatic Hand Sanitizer Dispenser	Rajamangala University of Technolog Thanyaburi	Thailand	Group A Innovations in technology and industry
RA-U007	Esp32-Cam send notification via LINE	Rajamangala University of Technology Thanyaburi	Thailand	Group A Innovations in technology and industry
RA-U008	key card scanner	Rajamangala University of Technology Thanyaburi	Thailand	Group A Innovations in technology and industry
RA-U009	Knee support machine	Rajamangala University of Technology Thanyaburi	Thailand	Group A Innovations in technology and industry
RA-U010	SMART RIM OPENER	KOLEJ VOKASIONAL SUNGAI PETANI 1	Malaysia	Group A Innovations in technology and industry

Room-4 Undergraduate

PaperID	Research/Project Title	Name of University/College/Institute	Country	Category of Work
RA-U011	Belt Sander	Kolej Vokasional Sungai Petani 1	Malaysia	Group A Innovations in technology and industry
RA-U012	Decentralized Collaboration Control and Obstacle Avoidance for Swarm Robot	Ho Chi Minh City University of Technology and Education	Vietnam	Group A Innovations in technology and industry
RA-U013	Optimal Multi-Target Traveling for Multiple Mobile Robot System	Ho Chi Minh City University of Technology and Education	Vietnam	Group A Innovations in technology and industry
RA-U014	Insulator Detection in Intelligent Monitoring Based on Yolo Family and Customizing Hyperparameters	Ho Chi Minh City University of Technology and Education	Vietnam	Group A Innovations in technology and industry
RA-U015	EFFICIENT VIDEO RETRIEVAL METHOD BASED ON TRANSITION DETECTION AND VIDEO METADATA INFORMATION	Ho Chi Minh City University of Technology and Education	Vietnam	Group A Innovations in technology and industry
RA-U016	A Logistic Drone Using An Adaptive Pose Controller Under A State Observer	Ho Chi Minh City University of Technology and Education	Vietnam	Group A Innovations in technology and industry
RA-U017	Design and implementation of a chatbot on Zalo OA platform depends on ChatGPT	Ho Chi Minh City University of Technology and Education	Vietnam	Group A Innovations in technology and industry
RA-U018	DESIGN AND CONTROL A ROBOT SERVING THE LIBRARY	Ho Chi Minh City University of Technology and Education	Vietnam	Group A Innovations in technology and industry
RA-U019	Development of a Restaurant Robot using Lidar and ROS	Ho Chi Minh City University of Technology and Education	Vietnam	Group A Innovations in technology and industry
RA-U020	Implementation of Information Management Systems in Presence Systems Using "Easy Presence Applications" for Efficient Process of Student Data Collection	Universitas Muhammadiyah Surakarta	Indonesia	Group A Innovations in technology and industry

Room-5 Undergraduate

PaperID	Research/Project Title	Name of University/College/Institute	Country	Category of Work
RA-U021	Smart Traffic Management System	Ho Chi Minh City University of Technology and Education	Vietnam	Group A Innovations in technology and industry
RA-U022	STOPIA: Stress Monitoring System for Truck Drivers Based on Wearable Sensor and IoT	Universitas Pendidikan Indonesia	Indonesia	Group A Innovations in technology and industry
RA-U023	An optimal smooth-path motion planning method for a Car-like mobile robot	Ho Chi Minh City University of Technology and Education (HCMUTE)	Vietnam	Group A Innovations in technology and industry
RA-U024	Synchronization PD Control with Time Delay Estimation for the 4-DOF Parallel Robot	Ho Chi Minh City University of Technology and Education	Vietnam	Group A Innovations in technology and industry
RA-U025	Teleoperation of 3-DOF Robot Using Novint Falcon Device	Ho Chi Minh City University of Technology and Education	Vietnam	Group A Innovations in technology and industry
RA-U026	Parameter Estimation of a 6-DOF Manipulator Using Least Squares Method	Ho Chi Minh City University of Technology and Education	Vietnam	Group A Innovations in technology and industry
RA-U027	Design and Manufacture AUDI'S (Autonomous Underwater Drone of Indonesia System) as a Supporting Facility in Maintaining Maritime Affairs for the Defense Industry	Universitas Negeri Surabaya	Indonesia	Group A Innovations in technology and industry
RA-U028	Smart Pirates (protective body parts for smart martial arts athletes) based on the Internet of things (IoT)	Universitas Negeri Surabaya	Indonesia	Group A Innovations in technology and industry
RA-U029	Sineashub : Digital Revolution in Indonesian Film, Animation, and Video Industry through SineasHub as the Leading Solution	Yogyakarta State University	Indonesia	Group A Innovations in technology and industry
RA-U030	Green synthesis of CuO nanoparticles using Mitragyna	Rajamangala University of Technology Thanyaburi	Thailand	Group A Innovations in technology and industry

Room-6 Undergraduate

PaperID	Research/Project Title	Name of University/College/Institute	Country	Category of Work
RA-U031	Realizing Zero Accident With An IoT-based Tower Crane Control	Universitas Pendidikan Indonesia	Indonesia	Group A Innovations in technology and industry
RA-U032	Intelligent Temperature-Based Fan Control System	Rajamangala University of Technology Thanyaburi	Thailand	Group B Innovations in energy / environment / safety
RA-U033	EASY CARRY BAKEWARE	INSTITUT KEMAHIRAN BELIA NEGARA (IKBN) KEMASIK	Malaysia	Group B Innovations in energy / environment / safety
RA-U034	Utilization Of Household Waste In The Fulfillment Of Electrical Energy And Improvement Of Sustainable Soil Ecosystems Based On Grassroots Community	Universitas Negeri Malang	Indonesia	Group B Innovations in energy / environment / safety
RA-U035	Analysis of Photovoltaic-Thermal (PVT) System's Efficiency Using Hexagonal Boron Nitride (hBN) Coolant Nanofluid with Surfactant Variations: An Experimental Study	Universitas Negeri Malang	Indonesia	Group B Innovations in energy / environment / safety
RA-U036	Clean Future Rivers: An Integrated Futuristic Multi-Advanced Steps Concept for Maximizing the Function of Indonesian Rivers through a Comprehensive River Cleaning System	Universitas Negeri Malang	Indonesia	Group B Innovations in energy / environment / safety
RA-U037	Natural Structure Intervention as an Effort to Save Coastal Areas from the Impact of Sea Level Rise Through the Formation of Reef Structures	Universitas Negeri Malang	Indonesia	Group B Innovations in energy / environment / safety
RA-U038	The ferrous guardian of the hills——intelligent protection	Sichuan University of Science & Engineering	China	Group B Innovations in energy / environment / safety
RA-U039	RUBBER SEEDS MACARON	INSTITUT KEMAHIRAN BELIA NEGARA (IKBN) KEMASIK	Malaysia	Group C Innovations in agricultural technology and food product
RA-U040	SOY-GHETTI	IKBN KEMASIK	Malaysia	Group C Innovations in agricultural technology and food product

Room-7 Undergraduate

PaperID	Research/Project Title	Name of University/College/Institute	Country	Category of Work
RA-U041	Cempedak seed patty	POLITEKNIK METRo KUALA LUMPUR	Malaysia	Group C Innovations in agricultural technology and food product
RA-U042	Smart Farming Poultry System Based IoT	Education University of Indonesia	Indonesia	Group C Innovations in agricultural technology and food product
RA-U043	Transporter Rocker Bogie	kolej kemahiran tinggi mara pasir mas	Malaysia	Group C Innovations in agricultural technology and food product
RA-U044	Ahn-ta-pi-rom herb Project	Rajamangala University of Technology Thanyaburi	Thailand	Group C Innovations in agricultural technology and food product
RA-U045	Wrist physical therapy equipment	Rajamangala University of Technology Thanyaburi	Thailand	Group D Innovations in medicine and herb
RA-U046	Saline Bag Temperature Control System	Rajamangala University of Technology Thanyaburi	Thailand	Group D Innovations in medicine and herb
RA-U047	Innovative neosome gel cream that nourishes the skin to reduce rashes from Coccinia grandis extract.	Rajamangala University of Technology Thanyaburi	Thailand	Group D Innovations in medicine and herb
RA-U048	Nio Radish Sleeping Mask	Rajamangala University of Technology Thanyaburi	Thailand	Group D Innovations in medicine and herb
RA-U049	หอมกลิ่นใบชา (KIN CHA MA)	Rajamangala University of Technology Thanyaburi	Thailand	Group D Innovations in medicine and herb
RA-U050	Mask powder from butterfly pea	Rajamangala University of Technology Thanyaburi	Thailand	Group D Innovations in medicine and herb

Room-8 Undergraduate

PaperID	Research/Project Title	Name of University/College/Institute	Country	Category of Work
RA-U051	Hair spray to reduce hair loss with innovative emulsion from lemongrass.	Rajamangala University of TechnologyThanyaburi	Thailand	Group D Innovations in medicine and herb
RA-U052	Blossum Power Plus	Rajamangala University of Technology Thanyaburi	Thailand	Group D Innovations in medicine and herb
RA-U053	Ointment innovation from Bajakah Tampala (Spatholobus littoralis Hassk.) a typical Borneo plant as an antimicrobial and antibiofilm of Staphylococcus aureus causing diabetic ulcer infection	Universitas Muhammadiyah Kalimantan Timur	Indonesia	Group D Innovations in medicine and herb
RA-U054	Virtual Reality Gaming Applications Installed with Mobile Devices to Improve Body Responsiveness and Movement Performance for Parkinson's Disease Patients "The Guardian of Watcharapri"	Phetchaburi Vocational College	Thailand	Group E Innovations in quality-of-life improvement
RA-U055	Gyroscope Vehecle Control	Rajamangala University of Technology Thanyaburi	Thailand	Group E Innovations in quality-of-life improvement
RA-U056	Rain Detector	Rajamangala University of Technology Thanyaburi	Thailand	Group E Innovations in quality-of-life improvement
RA-U057	Wrist Physical Therapy Device	Rajamangala University of Technology Thanyaburi	Thailand	Group E Innovations in quality-of-life improvement
RA-U058	falling patient detector	RMUTT	Thailand	Group E Innovations in quality-of-life improvement
RA-U059	ELEVATOR NONE TOUCH CONTROLLER SYSTEM	Hochiminh City University of Technology and Education	Vietnam	Group E Innovations in quality-of-life improvement
RA-U060	TRIPLE'S ASA INTERACTIVE E-BOOK AS A CREATIVE SOLUTION TO WELLBEING PROBLEMS IN ADOLESCENTS	Indonesian University of Education	Indonesia	Group E Innovations in quality-of-life improvement

Room-9 Undergraduate

PaperID	Research/Project Title	Name of University/College/Institute	Country	Category of Work
RA-U061	THE APE CENTRE	Politeknik METrO Kuala Lumpur	Malaysia	Group F Innovations in creativity and fine arts
RA-U062	Zoofari	Politeknik METrO Kuala Lumpur	Malaysia	Group F Innovations in creativity and fine arts
RA-U063	HEALTHY ZOO	Politeknik METrO Kuala Lumpur	Malaysia	Group F Innovations in creativity and fine arts
RA-U064	Zoo In A Click	POLITEKNIK METrO KUALA LUMPUR	Malaysia	Group F Innovations in creativity and fine arts
RA-U065	Da Zookeeper	POLITEKNIK METrO KUALA LUMPUR	Malaysia	Group F Innovations in creativity and fine arts
RA-U066	Eco Friendly Recycle Bricks	Kulim Vocational Collage	Malaysia	Group G Innovations in educational construction
RA-U067	SCISSOR LIFT TROLLEY COMBINE WITH MATERIAL FUNCTION	KKTM SRI GADING	Malaysia	Group G Innovations in educational construction
RA-U068	Web Development of Learning Resources for Construction Technology Program at Kolej Vokasional	UNIVERSITI TEKNOLOGI MALAYSIA	Malaysia	Group G Innovations in educational construction
RA-U069	Effectiveness of Problem Based Learning Model to Improve Green Skills of Vocational Students in Realizing Sustainable Development Goals	Universitas Pendidikan Indonesia	Indonesia	Group G Innovations in educational construction
RA-U070	SIMADU: Inttegrated Application to Support Student Activities in University	UNIVERSITAS PENDIDIKAN INDONESIA	Indonesia	Group G Innovations in educational construction

Room-10 Undergraduate

PaperID	Research/Project Title	Name of University/College/Institute	Country	Category of Work
RA-U071	Application of Project Based Learning on Waste Management to Increase Sustainability Literacy of Students Affected by the Earthquake	Universitas Pendidikan Indonesia	Indonesia	Group G Innovations in educational construction
RA-U072	pick and place industrial pneumatic trainer for educational purpose	Education University of Indonesia	Indonesia	Group G Innovations in educational construction
RA-U073	Kawancara: Interview Training EduTech Platform with 1-on-1 Mentoring System to Prepare the Golden Generation of Indonesia in 2045	Yogyakarta State University	Indonesia	Group G Innovations in educational construction
RA-U074	Stark (Smart Training Kit) Based on Internet of Things as a Physical Fitness Monitoring for Volleyball Athletes	Universitas Negeri Surabaya (UNESA)	Indonesia	Group G Innovations in educational construction
RA-U075	AREK's (Autism Reality Experience for Kid system) based on Internet of Things as an Early Intervention Method for Children with Autism Spectrum Disorder	Universitas Negeri Surabaya	Indonesia	Group G Innovations in educational construction
RA-U076	The AuRoBot's (The Autism of Robot Therapy) Design Based on Internet of Things as one of the Early Intervention Methods for Children with Pervasive Developmental Disorders	Universitas Negeri Surabaya	Indonesia	Group G Innovations in educational construction
RA-U077	Cargo Paw: Smart Pet Carrier Integrated with Internet of Things	Universitas Pendidikan Indonesia	Indonesia	Group I Innovations in business management, commerce, and logistics
RA-U078	Autonomous Robot for IMS	Universitas Pendidikan Indonesia	Indonesia	Group I Innovations in business management, commerce, and logistics
RA-U079	Blockchain Disaster Management for Humanitarian Logistic as Post-Disaster Response Measures	Universitas Pendidikan Indonesia	Indonesia	Group I Innovations in business management, commerce, and logistics
RA-U080	LAST MAIL DELIVERY WITH DRONE COURIER TECHNOLOGIES	UNIVERSITAS PENDIDIKAN INDONESIA (UPI)	Indonesia	Group I Innovations in business management, commerce, and logistics