



## **UMP Products Win Malaysia Commercialisation Year 2020**



Universiti Malaysia Pahang (UMP) continues to record success in commercialisation, with two products of Commercialisation Year 2020 (MCY 2020) awards. This was announced in conjunction with the MCY Science, Technology and Innovation (MOSTI) that was held online today. The launching ceremony of the Ceremony 2020 was officiated by the Minister of Science, Technology and Innovation, Yang Berhormat Khairy Jamaluddin by a lecturer of the Faculty of Electrical & Electronics Engineering Technology (FTKEE), Dr. Ts. Mohd. Instrumen, won the Main Award for the category of Emerging Innovator. The device is a brand new innovative tool for workers and patients alike. The device, which can fit in the palm of one's hand, consists of a special camera for location without any contact with the user's skin. "I would like to thank the university that has provided a lot of support in this technology. "The same goes for support the Bumiputera Agenda Steering Unit (TERAJU) grant, which is supported by the Scheme (SUPERB) and Technology Park Malaysia (TPM) as supporters of my business idea via the start-up fund. UMP also brought home a consolation prize for the category of Research Entrepreneur with the 'Sleek Fingerprint Scanner' by Firdaus Basrawi from the Faculty of Mechanical & Automotive Engineering Technology (FTKMA). Commercialisation of this device (UMPT), the creation of this battery-powered honey suction tool is more portable and can increase the efficiency of beekeepers to obtain the honey without affecting the honey's quality. The research by Dr. Mohamad Dr. Firdaus Basrawi was supported by university research grants, including the MyRA Incentive Fund (University-Community Technology Commercialisation Fund).

*By Mimi Rabita Haji Abd Wahit, Corporate Communications Unit, The Office of The Vice-Chancellor*

## Dr. Norazaliza Develops Mathematical Forecast Model



The lecturer of the Centre for Mathematical Sciences (PSM), Universiti Malaysia Pahang (UMP), Dr. Norazaliza Rosli has developed a mathematical model for COVID-19 in the form of Graphical User Interface (GUI). This research also involves other PSM lecturers, Dr. Rosli and Dr. Noryanti Muhammad. This model was developed to monitor the evolution and predict the cumulative number of COVID-19 cases in Malaysia. According to Dr. Norazaliza, users will enter two input values on the screen display, namely the Movement Control Order (MCO) and the percentage of Malaysians who follow the standard operating procedures (SOP) such as handwashing with water and soap (wash), encouraged to wear face masks in public or if symptomatic, and a warning concept (warn). "After pressing the 'run the simulator' button, the pandemic projection graph will be displayed on the screen display. "The COVID-19 pandemic outbreak prediction model was built on the concept of Susceptible, Infected, and Recovered (SIRD). This research has won a gold medal in the Malaysia Technology Expo (MTE) 2020 Special Awards held virtually on 2 November 2020.

*By Nur Hartini Mohd Hatta, UMP Press*

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