



HISTORIC WIN FOR UMP CIVIL ENGINEERING UNDERGRADUATES AT TAIWAN IEYI 2012

Universiti Malaysia Pahang (UMP) recorded another historic and momentous win when four undergraduates from the Faculty of Civil Engineering & Earth Resources (FKASA) coveted two gold and two silver medals, as well as six additional special awards at the International Exhibition for Young Inventors (IEYI 2012) in Taiwan recently.

The event – held on February 12 this year and organized by the Vietnam Far East University and Taiwan Invention & Intellectual Property Association – saw UMP bringing home the first gold medal

through the research work of Amirudin Ibrahim, entitled “*UMPiae: The Integration of Fish & Vegetable Wastes From Fresh Market to Generate Alternative Energy*”.

Supervised by FKASA lecturer, Abdul Syukor Abdul Razak, Amirudin’s project – culminating in the generation of integrated alternative energy from fish and vegetables waste – also bagged two special awards, the *Taiwan Invention Association Special Award* and the *Korea Invention Academic Award*.

Proudly sharing a second gold

was Mohamad Hafizuddin Ramli, who intrigued the judges with his research project called “*Phytogreen: Utilizing Natural Driven Process for Domestic Wastewater Treatment Towards An Environmental-friendly Sustainable Development*”.

Mohamad Hafizuddin’s work demonstrated the absorption capability of plants and natural resources used in treating domestic wastewater, passing up to the point of “Standard A” international benchmark.

Like Amirudin, Mohamad Hafizuddin also took home two additional awards, the *Korea Invention Association Award* and the *Asia Invention Creativity Special Award*.

Meanwhile, the two silver medals went to Mohamad Amirul Shazwan Zakaria for his work entitled “*The Development of Fungus sp. Pycnosporus sanguinis to Enhance The Performance of Artificial Bait to Attract Termites From Empty Fruit Bunch (EFB) as*



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Environmental-friendly Pesticide”; and to Muthukumar Sunthara Raju for “*The Potential Of Allium Cepa (Onion) As Natural Corrosion Inhibitor For Passivation In Industrial Chill Wastewater System*”.

Mohamad Amirul’s research of using empty fruit bunches from oil palm as termites traps and supervised by Abdul Syukor, was also given due recognition with the *Asia Invention Association Special Award*.

Another FKASA lecturer Suryati Sulaiman, who mentored Muthukumar in his project of utilizing onion peels as a natural corrosion inhibitor for industrial underground wastewater pipes, was accredited with the *Tainan City Special Award*.

For the multiple awards garnered by UMP’s four young researchers, Abdul Syukor expressed his hopes that they would be a catalyst for

other undergraduates to follow suit and acculturate themselves with innovative inventions.

Icing the cake for UMP’s brilliant showing at the IEYI 2012, the World Invention Intellectual Property Associations (WIIPA) has conferred “*The Best Instructor*” awards to the two FKASA lecturers Abdul Syukor and Suryati, and another to the Assistant Registrar of UMP’s Department of Student Affairs & Alumni, Abdul Rahman Ahmad, for his tireless collective contributions, leading to the four winning research projects.

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