



NURAIN COVETS 'EYREC GREEN TECHNOLOGY YOUNG SCIENTIST AWARD'

Universiti Malaysia Pahang (UMP)'s Faculty of Chemical & Natural Resources Engineering (FKKSA) undergraduate, Nurain Mohd Yusoff, coveted the "EyReC Green Technology Young Scientist Award" and a gold medal, at the International Engineering Invention & Innovation Exhibition (i-ENVEX) 2011, with her project entitled "Sustainable Production of Alternative Sweetener From Empty Fruit Bunch Using Membrane Bioreactor (Waste to Wealth)".

Together with the accolade, Nurain took home RM500 cash, a trophy and a certificate of appreciation from the exhibition conducted by Universiti Malaysia Perlis and held at the 2020 Hall in Kangar, Perlis, on April 10, 2011.

Her fellow faculty-mate, Azimah Saman bagged a similar gold medal and a special award, "Best of the Best Award", with her project called "Sustainable Production Of Natural Dye From Waste Using Membrane Reactor (Waste to Wealth)".

The two projects were coordinated



by the undergraduates' award-winning Senior Lecturer, Associate Professor Dr Mimi Sakinah Abdul Munaim.

Aside from the two awards, UMP stood out among the crowd of public institutions of higher learning when the university proudly swept another five gold, five silver and seven bronze medals in total, delivering a 100 percent medal tally for the all research projects submitted for the exhibition.

The additional five gold medals

were from the efforts of:

- Nurul Azreen Abdul Ghani and Nur' Ain Abdullah: *Sustainable Building Material From Domestic Waste: Bio Brick*,
- Raja Nurshafarin Raja Osman and Nor Hidayah Dahari: *Sustainable Drinking Water Supply From Rain Water Harvesting by A Submerged Bio-Membrane Reactor (MEMRAIN)* – coordinated by UMP's Senior Lecturer at the Faculty of Civil Engineering & Earth Resources (FKASA), Associate Professor Dr Zularisam Abdul Wahid.
- Mohd Firdaus Mohd Yasin: *Plant Watering Robot Using Solar* – coordinated by UMP's lecturer at the Faculty of Electrical & Electronic Engineering (FKEE), Nor Maniha Abdul Ghani.

Meanwhile, the silvers were brought home by FKASA undergraduates, Mohd Zulfadhli Juhari and Ahmad Faiz Nasir, for their research on the "Application Of Biofilter System For Domestic Wastewater Treatment"; three projects by FKASA students Nadia Faira Mat Zali, Surain Sazali, Muhammad Iqram Zulkifli, Muamar Zulikhman Mohd Nazeri, Nor Asahton Junet, Noor Alia Atiqah Ahmad Rohaidi and Norbaizurah Rahman; and FKEE students Tan Piow Yon and Lee Kong Haur.

The seven bronze medals, on the converse, were the works of two FKASA students, two FKEE and one each from FKKSA, the Faculty of Mechanical Engineering and the Faculty of Computer Systems & Software Engineering.

i-ENVEX 2011 saw the participation of 292 innovative products from 600 researchers, hailing from countries in the region like Singapore, Laos, the Philippines, Vietnam, Thailand, Indonesia and Cambodia.

UMP Vice-Chancellor, Professor Dato' Dr Daing Nasir Daing Ibrahim, was on cloud nine to bear witness to such an accomplishment in the university's quality research activities.

He expressed his hopes that through such an international exhibition, university students from the various countries would also have gotten the chance to foster closer ties and to share their research knowledge and skills in their fields of expertise.