

continued from page 3

UMP also won a gold medal for a project by Dr. Ahmad Ziad from FKKSA, titled 'Sonicated Enzymatic Extraction of Herbs' that used ultrasound and enzyme to increase herbal extraction productivity.

In fact, with the right dosage and by using the sonicated enzymatic technique for the process, it can increase production and do so in a shorter period of time. As such, this helps overcome low yield.

The technique also increases the production of active components, its production rate, product process, and reduces production time.

Other gold medals were won by Associate Prof. Dr. Hayder A. Abdulbari of FKKSA with his project, 'Grease Produced From Industrial Waste', and Rosyati Hamid from Faculty of Electrical and Electronic Engineering (FKEE) with her project 'An Automated Sputum Quality Testing'.

Rosyati, who lead the research team, said the study found a way to identify the quality of sputum, normally identified by the number of cells in sputum sample. ■



◆ Assoc. Prof. Dr. Hayder A. Bari (FKKSA) explaining his project to the judges



◆ Assoc. Prof. Dr. Abdurahman H. Nour (FKKSA) briefing the judges about his project.

## UMP RESEARCHERS GARNERED A SPECIAL AWARD AND GOLD MEDAL, THREE SILVER MEDALS AND SIX BRONZE MEDALS IN THE INVENTORS EXHIBITION 2013

BY: NOOR SYAHIDAH BINTI SABRAN

Universiti Malaysia Pahang (UMP) made headlines again when it won a gold medal, three silver medals, six bronze medals and a special award from Korea during the International Invention Exhibition and Conference (PECIPTA 2013) held at Kuala Lumpur Convention Centre (KLCC) on November 7-9, 2013.

The gold medal and Special Award from Korea were rewarded to Faculty of Industrial Science and Technology (FIST) lecturer Dr. Gurumurthy Hedge for his work titled, 'Photoalignment-based Plastic (Flexible) Display For Future Generation Using Thiophene Derivatives'.

His finding involved the using of *Thiophene* to produce flexible plastic photoalignment.

The silver medals were contributed by Assoc Prof Dr. Md Lutfur Rahman (FIST) with his work, 'Light Sensitive Liquid Crystal for Optical Storage Devices', Dr. Mahadzir Ishak (FKM) and his work, 'The Low Speed Open Circuit Wind Tunnel' and Dr. Andri Kusbiantoro (FKASA)'s work titled, 'Natural Based Admixture For Green Geopolymer Binder'.

continued on the next page



◆ UMP researchers posing with UMP Vice Chancellor Prof. Dato' Dr. Daing Nasir Ibrahim at UMP's exhibition booth



◆ Dr. Gurumurthy (FIST) smiling with pride when accepting the Special Award from Korea.