

# IENA 2009

**The year 2009** is the third consecutive year in which UniMAP took part in the International Trade Fair of Ideas-Inventions-New Product (IENA 2009) in Nuremberg, Germany. The exhibition took place from 5 – 8 November 2009. UniMAP sent in five products that were put together by by three researchers. The products were: 'Autonomous Weeding Robot For Organic Farming' and 'A Low Cost Portable Embedded System For Herb Leaves Recognition System' by Mr. Zulkifli Husin; 'A GPS Based Legged Robot for Mapping Areas of Impossible Human Entry' by Mr. Bukhari Ilias who represented Prof. Nagarajan; 'Kayan 2 : A Panel Board From Rice Straw' and 'Domigrease-Grease From Dolomite' by Mr. Suhardy Daud. All products were winners of either a gold or a silver at product design competitions held in UniMAP or at the national level.

The moment that everybody was waiting for was on 6 November 2009 where the winners were announced. UniMAP notched an 80% victory by winning 1 gold and 3 bronze. Gold was won by Mr. Zulkifli Husin through his entry 'A Low Cost Portable Embedded System For Herb Leaves Recognition System' while the three bronze medals came from 3 products put up one each by Mr. Zulkifli Husin, Prof. Dr. R. Nagarajan and Mr. Suhardy Daud. On the whole, researchers from UniMAP and other Malaysian universities --UTeM, USM, UiTM, UPM, UTM-- achieved satisfactory results by winning at least a bronze medal for each institution. This shows that locally designed products are of high quality and have achieved international standard.

