Seminar 2011: "Recent Works in Harumanis Research at UniMAP"

Organized by the Centre of Excellence Advance Sensor Technology & Agrotechnology Unit, Universiti Malaysia Perlis (UniMAP)

Plant Growth Factor

High Quality Yield

Wireless Sensors

6 October 2011
(9.00 am – 5.10 pm)
Meeting Room, Agrotechnology Unit, Sg Chuchuh, Perlis

PARTICIPATION IS FREE
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Objective

This seminar is intended as a platform to encourage the collaboration relationships among UniMAP researchers and departments that contribute in Harumanis Mango growth and quality. The seminar could also increase the UniMAP researchers knowledge on Harumanis and increases the researches related to Harumanis. This seminar could lead towards *sharing of experiences which hopefully may translate into future collaborations*.

Since sensor solutions to agriculture are intrinsically multidisciplinary in nature; involving chemistry, physics, biology, electronics, mechanical, artificial intelligence and possibly others.

Program Schedule

08:30	**: Arrival of participant**
08:45	**: Arrival of V.I.P**
08:55	**: Arrival of Vice Chancellor, UniMAP**
09:00	**: Welcoming remarks from Vice Chancellor of UniMAP**
09:15	**: Introduction on Agrotechnology Unit by Prof Dr Mahmad Nor Jaafar (Agrotechnology Unit, UniMAP)**
	Introduction on CEASTech by Prof Dr Ali Yeon Md Shakaff (CEASTech, UniMAP)
09:45	**: Brief visit to Harumanis Greenhouse**
10:15	**: Refreshment**
10:30	**: Perlis Agricultural Department Presentation- Tn. Hj. Ghazali Zakaria,**

MARDI Presentation

UniMAP Presentations:

– **Industry Mangga, dari kacamata dunia, cabaran untuk Malaysia dan Perlis**
– **Effect of plant extracts on a mango-leaf eating beetle.**
– **Classification Rules using Principle Component Analysis**

01:00	**: Lunch**
02:00	**: UniMAP Presentations continue:**

– **Wireless Sensor Network Coverage Planning and Deployment in Mixed Crop Precision Farming**
– **Application of Wireless Sensor Network (eKO View) for Harumanis plantation and Greenhouse microclimate monitoring**
– **Web-service Monitoring and Control for Harumanis Greenhouse using NI CompaqRIO**
– **Development and Characterization of Molecular Imprinted Polymer (MIP) Interdigit based sensor for recognition of Harum Manis Mango ripeness**
– **Dielectric Properties of Harumanis : On Tree and Off Tree**
– **Non Destructive Assessment of Harumanis mangoes using Infrared Vision and Acoustic**
– **Machine Vision for Rapid Harumanis Grading System**
– **Harumanis Greenhouse Automation**
– **Intelligent System in Supporting Harumanis Yield Prediction**

04:00	**: Open discussion & closing agenda**