

# Agrotechnology Research Station

## University Malaysia Perlis (Agrotech@UniMAP)

### Introduction

The state of Perlis and her people are very closely linked to agriculture and land-produce, especially with padi, sugar cane, mangoes, grapes, vegetables and other crops. Farming in general has, however, remained largely traditional with minimal use of new and advanced technology and techniques. The establishment of Agriculture Research Station at University Malaysia Perlis (Agrotek@UniMap) is one of the initiatives of UniMAP's Strategic plans to service the local agriculture industry. The station, part of UniMAP's R&D program, aims for the future and to broaden the perspective of farming by generating a portfolio of technologies for K-agriculture. It will leverage its engineering strength to spur new opportunities.

### Approach

A one stop centre to innovate agriculture technology through the convergence of Biotechnology (BT) with Information and Engineering Technology (IT and ET) aims at sustainable productivity, resources use efficiency and socio-economic acceptability.



The UniMAP's seven research clusters of engineering specialization will provide additional support. The concept of E-Farming will be promoted to increase farming activities in the following techniques: Engineering technology, Electrical connectivity, Eco-friendly, Efficiency, Enterprising, Empowerment and Education.

### Roles and Functions

- To generate a portfolio of agriculture technology, products and services benefiting the agriculture sector.
- As a feeder to academic programmes with research-first approach.
- Provide platform for collaborations and outreach programs
- Generating local-centric, high engineering content farming technology.
- Provide training to bridge the technology gap and increase opportunity options
- Focal point of agrotechnology networking in the north and the hinterlands of Indonesia Malaysia Thailand Growth Triangle (IMTGT).

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