

TECHNICAL VISIT TO ESSENTIAL OIL PROCESSING PLANT AND STINGLESS HONEY BEE PRODUCTION

(Organized by Agricultural and Food Engineering Technical Division, IEM)
BEM Approved CPD/PDP Hours: 3 Ref. No.: IEM17/HQ/108/V

Date : 5 April 2017 (Wednesday)
Time : 9.00 am -1.00 p.m
Venue : MARDI Headquarters, 43400 Serdang, Selangor.
Transport : Self arranged. Participants are to assemble at 9.00 am sharp at the venue for registration.

Commitment fees (inclusive GST)
(Non refundable & non transferable)
IEM Member : RM 50.00
Non IEM Member : RM 80.00

SYNOPSIS

Essential Oil Processing Plant

MARDI develops and manufactures a wide range of essential oils of selected plants and commercial value such as Tea tree (*Melaleuca alternifolia*) Kesum (*Polygonum minus*), Patchouli (*Pogostemon cablin*), Citronella (*Cymbopogon nardus* L), Lemon Grass meal (*Cymbopogon citratus*), Kaffir lime (*Citrus hystrix*) and Lime (*Citrus microcarpa*).

MARDI's new focus is on R & D and production of wood-based essential oils of sweet cinnamon (*Cinnamomum zeylanicum*), which can be obtained from the leaves, twigs and bark of the cinnamon plant.

Stingless Honey Bee Production

Malaysia is known as one of the mega diverse country and one of the indicators is the high number of pollinator species. Forty five (45) species of stingless bees were recorded in Malaysia and most of them inhabit the virgin forest. In 2012, MARDI had launched a stingless beekeeping technology and since then it became very popular to public. The special characteristic and high quality of stingless bee honey which had been promoted as Malaysia's first 'superfood' by the Agriculture Minister, had increased public interest even more.

The Kelulut mini farm showcase the uniqueness of this insect's nest architecture and behaviour and visitors can learn some basic of stingless beekeeping and if they want to get a souvenir of genuine stingless bee honey, they could buy it at the shop there itself.

ITINERARY OF THE VISIT

TIME	ITINERARY
09.00 a.m – 09.30 a.m	Arrival at MARDI Headquarters, Serdang
09.30 a.m – 10.00 a.m	Introduction to Essential Oil Processing Plant
10.00 a.m – 10.30 a.m	Introduction to Stingless Honey Bee Production
10.30 a.m – 10.45 a.m	Refreshment
10.45 a.m – 11.30 a.m	Technical visit to Essential Oil Processing Plant
11.30 a.m – 01.00 p.m	Technical visit to Stingless Honey Bee Farm
01.00 p.m	Dismiss/The End/

- ✓ The visit is strictly limited to **30 participants** registered on a first-come, first-served basis.
- ✓ Interested participants are to register and pay online at www.myiem.org.my or register by returning the appended registration form **before 3 April 2017** together with the payment.
- ✓ Cheques are to be made payable to **The Institution of Engineers, Malaysia**.
- ✓ Please note that the commitment fee must be settled prior to the visit. Payment on the day of the visit is not acceptable.
- ✓ After this closing date, IEM reserves the right to allocate seats on first come first pay basis.
- ✓ Members are also reminded that if a place is reserved, IEM may cancel the reservation if payment is not received.

PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

REPLY SLIP (Fax to : 03-7957 7678) (Email: ezzaty@iem.org.my)

Chairman, Agricultural and Food Engineering Technical Division, IEM
The Institution of Engineers, Malaysia

Technical Visit to Essential Oil Processing Plant and Stingless Honey Bee Production

I wish to participate in the above visit on **5 April 2017**. I enclosed herewith a cheque No for the amount of as my commitment fee for the visit.

Name of Member :
Company's Name :
Position :
Address :

M'Ship No :
NRIC :
Email :
Tel :
Mobile :
Fax :

I will be participating in the visit at my own risk and hereby indemnify fully the IEM from all claims arising from any injury, damage or loss that may be sustained by me.

.....
(Date)

.....
(Signature)

Please bring along this flyer for confirmation of attendance
(Photostat copies are acceptable)