



International Networking

MARDI

Oleh Pn. Aniadila binti Kamaruddin
Deputy Director
International Networking Program
MARDI

Organisational Structure MARDI 2022



DATO' DR. MOHAMAD ZABAWI BIN ABDUL GHANI
DIRECTOR GENERAL



DR. MOHAMAD KAMAL B. HAJI ABDUL KADIR
DEPUTY DIRECTOR GENERAL (RESEARCH)



DR ASFALIZA BINTI RAMLI
DEPUTY DIRECTOR GENERAL (DEVELOPMENT & OPERATIONS)



DR SANIMAH SIMON
DIRECTOR STRATEGIC PLANNING & INNOVATION MANAGEMENT CENTRE (PI)



MARLINA WATI BINTI ISHAK
DIRECTOR INTERNAL AUDIT (IA)



NOR HAFIZAH BINTI HASSIM
DIRECTOR INTEGRITY UNIT (IN)



AHMAD AZLAN BIN ROSLEE
DIRECTOR GOVERNANCE & LEGAL CENTRE (GL)



DR. FARIDAH BINTI SALAM
DIRECTOR BIOTECHNOLOGY & NANOTECHNOLOGY RESEARCH CENTRE (BN)



DR. HASLINA BINTI HASAN
DIRECTOR FOOD SCIENCE AND TECHNOLOGY RESEARCH CENTRE (FT)



DAUD BIN ENDAM
DIRECTOR TECHNOLOGY TRANSFER & ENTREPRENEUR DEVELOPMENT CENTRE (TE)



ROSLINA BINTI DAUD
DIRECTOR HUMAN RESOURCE RESEARCH CENTRE (HM)



DR. MOHD SYAIFUDIN BIN ABDUL RAHMAN
DIRECTOR PADDY & RICE RESEARCH CENTRE (PR)



DR. AZMAN BIN HAMZAH
DIRECTOR ENGINEERING RESEARCH CENTRE (ER)



MOHD FARIZA BIN MAT NOOR
DIRECTOR ASSET MANAGEMENT & DEVELOPMENT (AM)



KHAIRUL RIZAN BIN MAT LUDIN
DIRECTOR FINANCIAL MANAGEMENT CENTRE (FM)



DR ZULHAZMI BIN SAYUTI
DIRECTOR HORTICULTURE RESEARCH CENTRE (HR)



HAJI SADI BIN SUJANG
DIRECTOR LIVESTOCK SCIENCE RESEARCH CENTRE (LS)



DR. FARIDAH HUSSIN
DIRECTOR TECHNOLOGY COMMERCIALISATION & BUSINESS CENTRE (CB)



FAIZAH BINTI PATAHOL RAHMAN
DIRECTOR ICT MANAGEMENT CENTRE (IM)



DR. MOHD SHUKRI BIN MAT ALI @ IBRAHIM
DIRECTOR AGRO-BIODIVERSITY & ENVIRONMENT RESEARCH CENTRE (BE)



DR. ROSLIZA BINTI JAJULI
DIRECTOR SOIL SCIENCE, WATER & FERTILISER RESEARCH CENTRE (SF)



KAMARUL ANUAR BIN ISMAIL
DIRECTOR CORPORATE COMMUNICATION CENTRE (CC)



MOHD. RASHID B. RABU
DIRECTOR SOCIO-ECONOMY, MARKET INTELLIGENCE & AGRIBUSINESS RESEARCH CENTRE (ES)



DR. ROZLAILY BT. ZAINOL
DIRECTOR INDUSTRIAL CROP RESEARCH CENTRE (IC)



Organisational Structure MARDI 2022

MARDI States Director



SANIAH BINTI KORMIN
DIRECTOR
MARDI NEGERI JOHOR



SUWARDI AFANDI BIN AHMAD
DIRECTOR
MARDI NEGERI SEMBILAN



AMIRRUDIN BIN MOKHTAR
DIRECTOR
MARDI NEGERI
PULAU PINANG



WAN ZAIRI BIN WAN ABDUL
MANAFF
DIRECTOR
MARDI NEGERI KEDAH



BAHARI B. MOHD. MASARUDDIN
DIRECTOR
MARDI NEGERI PAHANG



FADZLIRAHIMI BIN ISMAIL
DIRECTOR
MARDI NEGERI SELANGOR



IR. ZAINUDDIN BIN ZAKARIA @
ZAHARI
DIRECTOR
MARDI NEGERI KELANTAN



ZAIHA ZEETI BINTI MOHAMAD
YUSOB
DIRECTOR
MARDI NEGERI PERAK



AMIRAN BIN NGAH
DIRECTOR
MARDI NEGERI
TERENGGANU



NIK ADLI BIN NIK MUHAMMAD
DIRECTOR
MARDI NEGERI MELAKA



DR MOHAMMAD ZAMHARIR BIN
AHMAD
DIRECTOR
MARDI NEGERI PERLIS



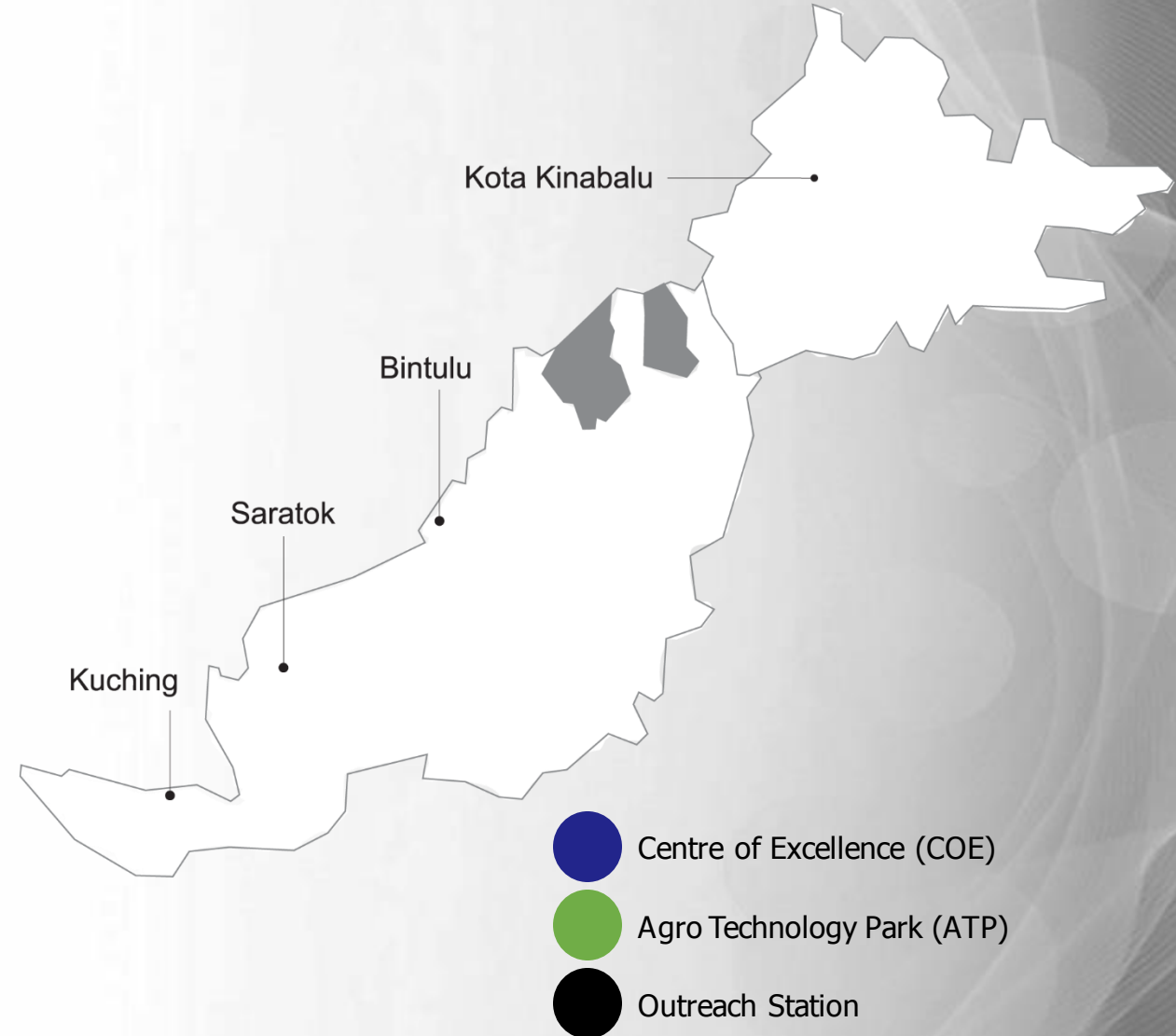
HELDA BINTI SOUKI
DIRECTOR
MARDI NEGERI SABAH



MOHAMMAD NOOR ADROS YAHYA
DIRECTOR
NEGERI SARAWAK

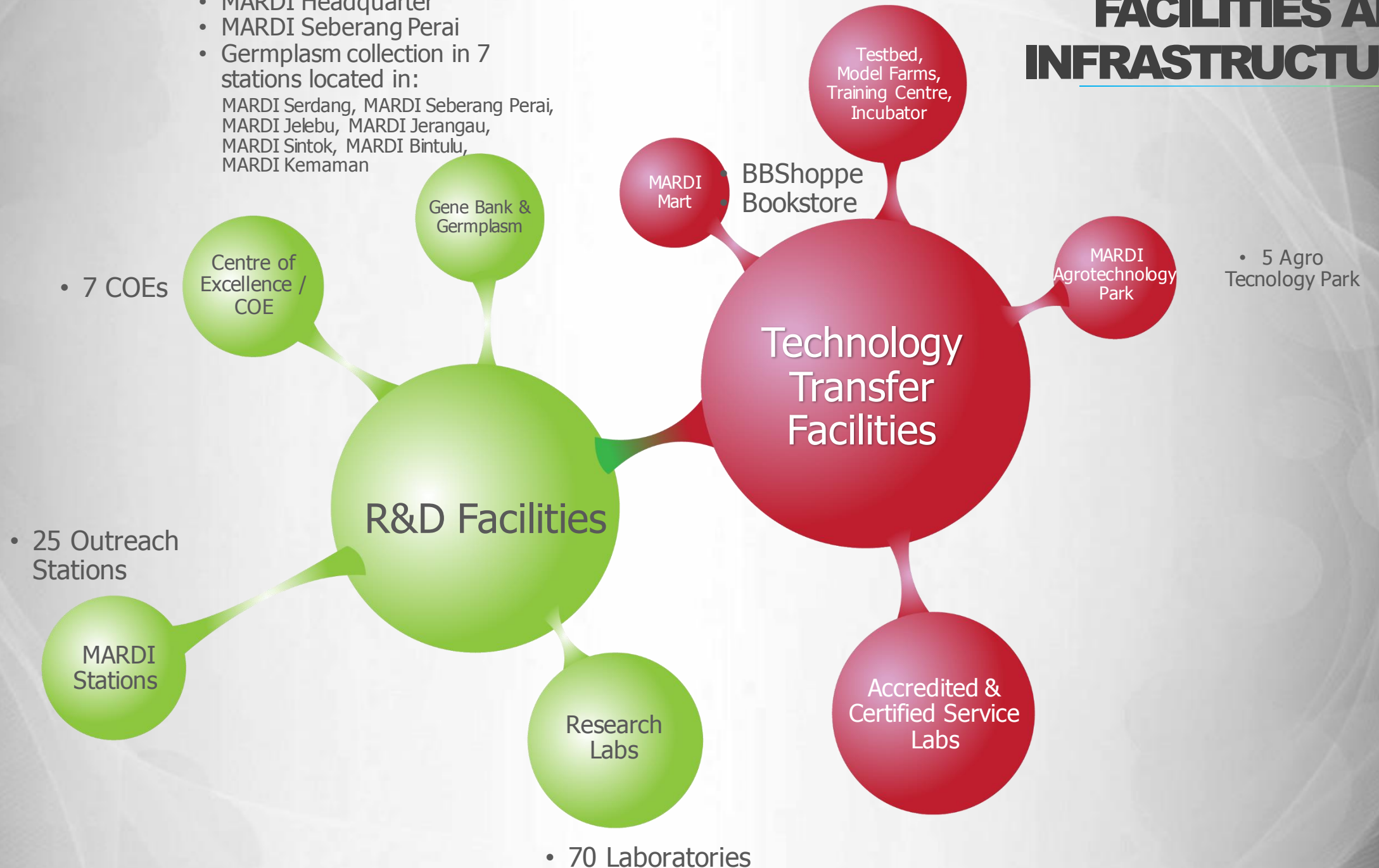
MARDI's Stations All Over the Country

Land Area: 6975.1 ha, 32 Main and Support Stations



FACILITIES AND INFRASTRUCTURE

- MARDI Headquarter
- MARDI Seberang Perai
- Germplasm collection in 7 stations located in:
MARDI Serdang, MARDI Seberang Perai, MARDI Jelebu, MARDI Jerangau, MARDI Sintok, MARDI Bintulu, MARDI Kemaman



INTERNATIONAL ENGAGEMENT

AGENCY

JUMLAH : 47





INTERNATIONAL ENGAGEMENT

AGENSI BILATERAL (29)

CHINA

- Hebei Academy of Agriculture and Forestry Sciences (HAAFS)
- Chinese Academy of Agricultural Sciences (CAAS)
- China National Rice Research Institute (CNIRRI)
- Yunnan Academy of Agricultural Science (YAAS)
- Guangdong Academy of science (GDAS)
- Chinese Academy of Tropical Agriculture Sciences (CATAS)

HUNGARY

- Hungarian University of Agriculture and Life Sciences (MATE)

INDONESIA

- Universitas Muhammadiyah Sumatera Utara (UMSU)
- Indonesian Agency for Agricultural Research and Development (IAARD)
- Universiti Institut Pertanian Bogor (IPB)
- Universitas Pembangunan Panca Budi (UNPAB)

JEPUN

- National Agriculture and Food Research Organization (NARO)
- Japan International Research Center for Agricultural Sciences (JIRCAS)

- University of Tottori

NEW

KOREA SELATAN

- Rural Development Administration (RDA)

SRI LANKA

- Sri Lanka Council for Agricultural Research Policy (SLCARP)

TAIWAN

- Taiwan Agricultural Research Institute (TARI)

FILIPINA

- Philippine Council for Agriculture, Aquatic and Natural Resources Research and Development (PCAARRD)

AZERBAIJAN

- Azerbaijan Research Institute of Crop Husbandry
- Azerbaijan State Agricultural University (ADAU)

NEW

UZBEKISTAN

- Uzbekistan Center of Knowledge and Innovation in Agriculture

DUBAI

- International Center for Biosaline Agriculture (ICBA)
- Abu Dhabi Agriculture and Food Safety Authority (ADAFSA)

UNITED KINGDOM

- Rothamsted Research
- British High Commissions

ARGENTINA

- National Agricultural Technology Institute (INTA)

USA

- United States Department of Agriculture (USDA)

BRUNEI

- Department of Agriculture and Agri-Food

IRAN

- Agricultural Research Education & Extension Organization (AREEO)

NEW



COLLABORATION WITH EMBASSY

KEDUTAAN (9)

CHINA

- Embassy of the People's Republic of China in Malaysia

KOREA

- Embassy of the Republic of Korea in Malaysia

HUNGARY

- Embassy of Hungary

UNITED KINGDOM

- British High Commission Kuala Lumpur

UNITED STATES

- United State Department of Agriculture (USDA), U.S. Embassy Kuala Lumpur

PAKISTAN

- Embassy of Pakistan in Kuala Lumpur

IRAN

- Embassy of the Islamic Republic of Iran

RUSIA

- Embassy of the Russian Federation in Malaysia

AZERBAIJAN

- Embassy of the Republic of Azerbaijan to Malaysia, Kuala Lumpur

PROGRAM/ACTIVITIES



2023

MOU SIGNING 2022



(From left) Director General of International Centre of Biosaline Agriculture (ICBA), Dr Tarifa A. Al Zaabi, exchanges MoU with Director General of Malaysian Agriculture Research Development Institute (MARDI), Dato' Dr. Mohamad Zabawi Abdul Ghani during the launch of Week 21: Sustainable Agriculture hosted by Ministry of Agriculture and Food Industries, Malaysia (MAFI) at the Malaysia Pavilion, EXPO 2020 Dubai today.



Published: 23 Feb 2022

Malaysia secures over USD47 Million worth of trade and investment from MoUs signed with companies across the Middle East at Expo2020



AGENCY		TARIKH
MEMORANDUM OF UNDERSTANDING (MOU)		
1	MOU SIGNING CEREMONY (MARDI – ICBA, UAE)	21 FEB 2022
2	MOU SIGNING CEREMONY (MARDI – SESRIC, TURKIYE)	14 SEP 2022
3	MOU SIGNING CEREMONY (MARDI – IPB, INDONESIA)	19 SEP 2022
4	MOU SIGNING CEREMONY (MARDI – YAAS, CHINA)	22 NOV 2022
MEMORANDUM OF AGREEMENT (MOA)		
5	MOA PROJEK : PUBLIC & PRIVATE WORKSHOP ON ENABLING INVESTMENT FOR MODERN AND SUSTAINABLE MECHANIZATION TECHNOLOGIES AND PRACTICES FOR SMALLHOLDER FARMING IN ASEAN COUNTRIES	25 MAC 2022
6	MOA PROJEK: THE ECONOMICS OF ECOSYSTEMS AND BIODIVERSITY FOR AGRICULTURE AND FOOD	30 AUG 2022
7	MOA PROJEK : REGENERATION OF CROP DIVERSITY AND SAFETY DUPLICATION AT THE SVALBARD GLOBAL SEED VAULT	20 OCT 2022



INTERNATIONAL FUND



UNEP
United Nations
Environment Programme

**THE IMPACTS OF MYGAP
CERTIFICATION AMONG
FARMERS IN CAMERON
HIGHLANDS**

Pusat : ES
Dana : UNEP (USD 200k)



CSAM

**PUBLIC & PRIVATE WORKSHOP ON
ENABLING INVESTMENT FOR MODERN
AND SUSTAINABLE MECHANIZATION
TECHNOLOGIES AND PRACTICES FOR
SMALLHOLDER FARMING IN ASEAN
COUNTRIES**

Pusat : ES
Dana : CSAM (USD 8,500)



**AGRICULTURE SECTOR
READINESS FOR ENHANCED
CLIMATE FINANCE AND
IMPLEMENTATION OF KORONOVIA
JOINT WORK ON AGRICULTURE
(KJWA) PRIORITIES IN
SOUTHEAST ASIA : GREEN
CLIMATE FUND**

Pusat : BE & ES
Dana : Green Climate Fund
(USD 450K)



**ROLE OF HEALTHY SOIL-PLANT
INTERACTIONS TOWARDS ACHIEVING
RESILIENT AGRICULTURE IN ASIA**

**AARDO-MARDI JOINT ONLINE TRAINING
ON ADVANCEMENTS IN LIVESTOCK
REPRODUCTION TECHNOLOGIES**

Pusat : SF & LS
Dana : AARDO (USD 4,200)

INTERNATIONAL FUND



**REGENERATION OF CROP
DIVERSITY AND SAFETY
DUPLICATION AT THE SVALBARD
GLOBAL SEED VAULT**

Pusat : BE
Dana : Norad & Crop Trust
(USD 59,437.75)



**AGRICULTURAL WASTE
MANAGEMENT FOR
SUSTAINABLE FOOD
PRODUCTION**

Pusat : SF
Dana : FFTC + MARDI + PCAARRD



**PILOT DATA COLLECTION AND
MEASURE FRUIT AND
VEGETABLES LOSSES UNDER
SDG 12.3.1.A IN SELECT REGIONS
OF MALAYSIA**

Pusat : HR
Dana : FAO (USD 45K)



**ENHANCING FOOD SECURITY
THROUGH EFFICIENT IRRIGATION
SYSTEMS**

Pusat : CC & ER
Dana : SESRIC

INTERNATIONAL FUNDING



PILOTING ONE HEALTH IN ASIA TO MANAGE AFLATOXIN

Pusat: BN, IC, HR
Dana: APAARI



- i. STRENGTHENING NATIONAL FOOD SECURITY THROUGH CLIMATE SMART AGRICULTURE APPROACHES (NEED ANALYSIS)
- ii. STRENGTHENING NATIONAL FOOD SECURITY THROUGH ADAPTATION STRATEGIES TO CLIMATE CHANGE USING SUSTAINABLE APPROACHES (CAPACITY BUILDING)

Pusat: BE



IMT-GT

- i) IMPROVING NUTRIENT USE EFFICIENCY FOR SUSTAINABLE RICE PRODUCTION
- ii) II) IMPROVING GRAIN CORN NUTRIENT USE EFFICIENCY FOR SUSTAINABLE ANIMAL FEED PRODUCTION
- iii) III) SUSTAINABLE PAPAYA PRODUCTION USING INDUCED SYSTEMIC RESISTANCE (ISR) TECHNOLOGY FOR IMPROVED YIELD, QUALITY AND RESISTANCE AGAINST PAPAYA CROWN ROT DISEASE



- III. PREVENTION OF FOOD LOSS AND WASTE IN THE OIC MEMBER COUNTRIES

Pusat: HR

HIGH LEVEL MEETINGS AND VISITS



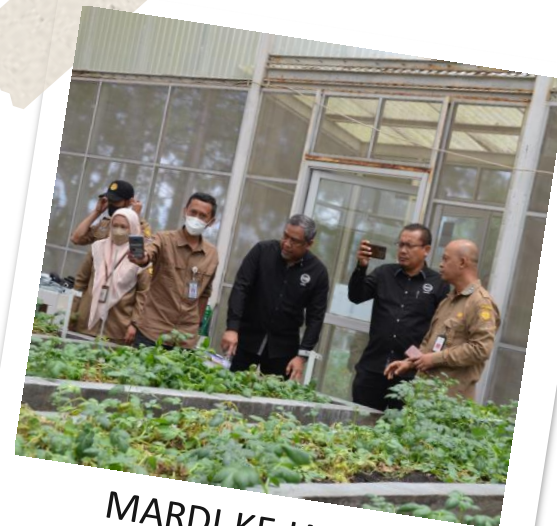
MARDI KE EXPO DUBAI
2020
19-25 FEB 2022



MARDI KE AZERBAIJAN
26 FEB – 1 MAC 2022



MARDI KE SAUDI ARABIA
23-30 AUG 2022



MARDI KE IAARD,
INDONESIA
18-20



KSU DAN MARDI KE CABI,
UK
27-28 SEP 2022

JUMLAH : 8



AGRICULTURE ATTACHE TO BEIJING,
CHINA
07 JUNE 2022



DR. ULRICH (CABI)
15 JUNE 2022



EMBASSY OF THE PEOPLE'S REPUBLIC OF
CHINA, DR. ZHANG TIANHANG
26 JULY 2022



CAN THO UNIVERSITY, VIETNAM
26 JULY 2022



SEARCA, PHILIPPINES
23 AUGUST 2022



THE 7TH ASIAN PGPR INTERNATIONAL
CONFERENCE
26 AUGUST 2022



PROJEK BAWANG DAN SOYA, INDONESIA
18 SEPTEMBER 2022



TOTTORI UNIVERISTY, JEPUN
20 SEPTEMBER 2022



LUND UNIVERSITY, SWEDEN
11 OCTOBER 2022



VILLA INTERNATIONAL SCHOOL,
MALDIVES
02 NOVEMBER 2022



DEAKIN UNIVERSITY, AUSTRALIA
16 DECEMBER 2022

WEBINAR ANTARABANGSA



MARDI-AARDO ONLINE TRAINING
21 FEB – 03 MAR 2022



MARDI-AARDO ONLINE TRAINING
21 MAR – 31 MAR 2022



MARDI-IAARD WEBINAR
12 APR -14 APR 2022



PENYEDIAAN NOTA KONSEP APEC
23 MEI 2022



MARDI-FFTC SYMPOSIUM 22 AUG 2022



MARDI-SESRIC WEBINAR
23 AUG – 25 AUG 2022



MARDI-UMSU WEBINAR
20 SEP – 21 SEP 2022



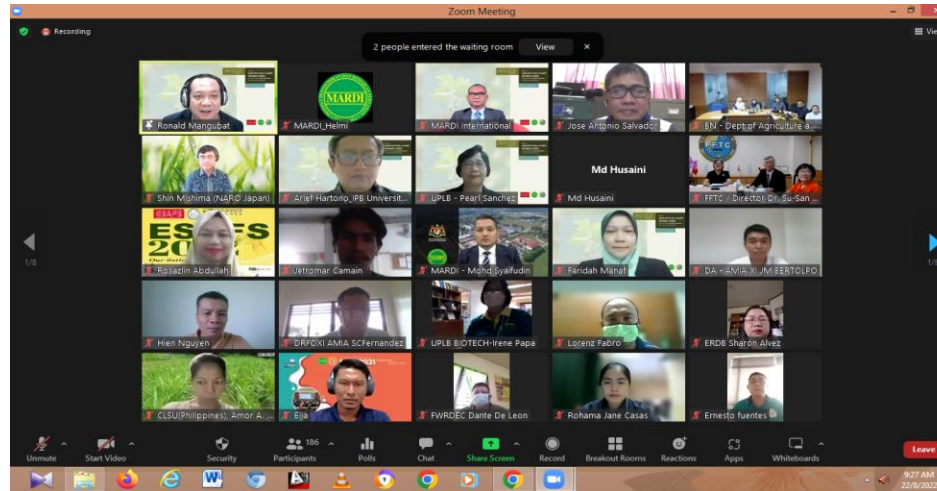
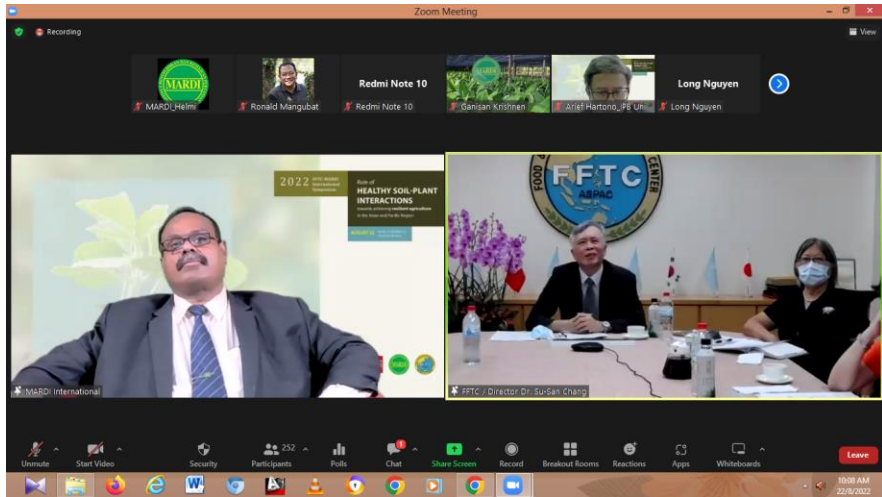
MARDI – CSAM WORKSHOP
15 NOV – 16 NOV 2022



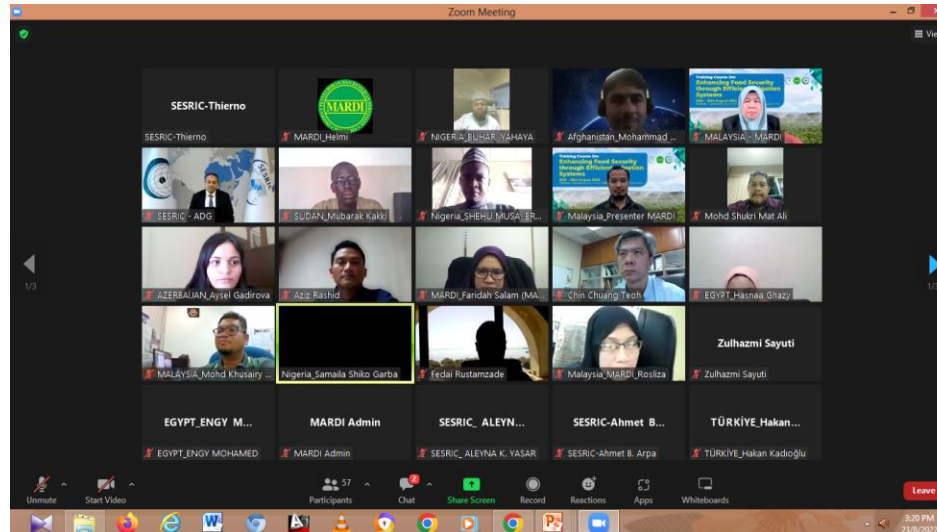
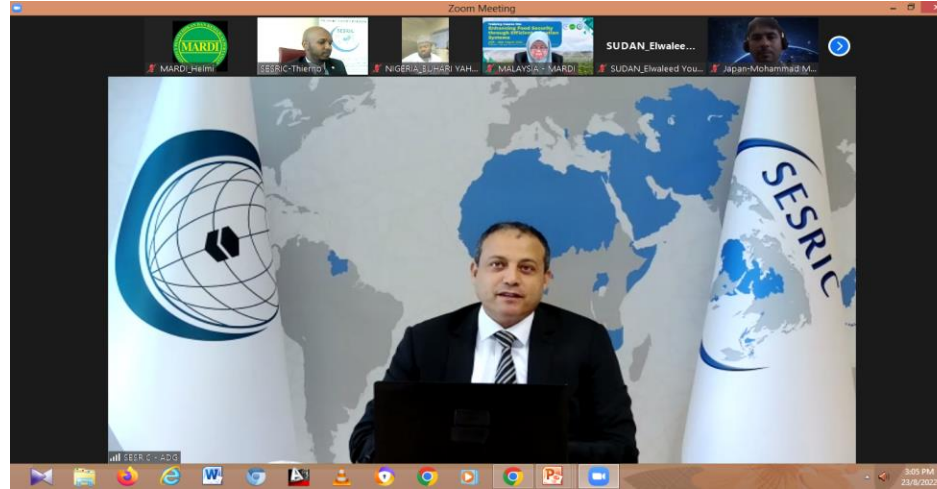
MARDI-TFNET WORKSHOP
29 NOV 2022

JUMLAH : 9

FFTC-MARDI WORKSHOP “ROLE OF HEALTHY SOIL-PLANT INTERACTION TOWARDS ACHIEVING RESILIENT AGRICULTURE IN THE ASIAN AND PACIFIC REGION”, 22 OGOS 2022



WEBINAR MARDI-SESRIC “ENHANCING FOOD SECURITY THROUGH EFFICIENT IRRIGATION SYSTEM”, 23 – 25 AUGUST 2022



WEBINAR MARDI-UMSU "MENANGANI ISU SEMASA PADI UNTUK SEKURITI MAKANAN" 20-21 SEPTEMBER 2022



PUBLIC & PRIVATE WORKSHOP ON ENABLING INVESTMENT FOR MODERN AND SUSTAINABLE MECHANIZATION TECHNOLOGIES AND PRACTICES FOR SMALLHOLDER FARMING IN ASEAN COUNTRIES, 15-16 NOVEMBER 2022



WORKSHOP ON MANAGEMENT OF BACTERIAL DISEASES OF BANANAS

29 NOVEMBER 2022

WORKSHOP ON MANAGEMENT OF BACTERIAL DISEASES IN BANANA

29 November 2022
2:00 pm (Kuala Lumpur UTC+8)
Virtual Workshop






THE STATUS OF BACTERIAL WILT DISEASE OF BANANA IN MALAYSIA

ROZEITA, L.,
NORLIZA A. B., GANISAN KRISHNEN, NUR SULASTRI, J., SIVANASWARY, C., & ZULHAZMI, S.
MALAYSIAN AGRICULTURAL RESEARCH & DEVELOPMENT INSTITUTE (MARDI)
rozella@mardi.gov.my

International Workshop on 'Management Of Bacterial Diseases Of Bananas', Tuesday 29 Nov 2022

Banana Bacterial Diseases



1. Corm rot/Rhizome rot (Jan - May)

- 1. Endemic disease**
Affects all crop stages
- Bits/suckers**
 - Plant crop - 25%
 - First & older ratoon - 36%
- Tissue culture raised plants**
 - 1st Ratoon (20-40%)
 - Subsequent ratoon (15-20%)



2. Mokillo/Finger tip rot





WHAT WE CAN DO TOGETHER

01



Exchange of researchers and technical staff

Joint R&D projects and activities



02

03



Joint organization of activities (meeting, workshop, conference etc)

Joint publication, sharing information and consultations



04

THANK YOU TERIMA KASIH



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