

SITE NOORZURAINI BINTI ABD RAHMAN

SENIOR RESEARCH OFFICER (Q48)

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PROFILE

Genebank Management, Plant Genetic Resources, Rice Genetics

EDUCATION

MASTER OF PLANT GENETIC RESOURCES CONSERVATION AND MANAGEMENT

(Minor in Genetics)

2008 - 2012

University of the Philippines, Los Baños (UPLB)
Pedro R. Sandoval Ave, Los Baños, Laguna, Philippines

BACHELOR OF SCIENCE (Honours in Biology)

2000 - 2003

Universiti Putra Malaysia
Serdang, 43400 Seri Kembangan, Selangor

PROJECT IMPLEMENTED

Projek Rancangan Malaysia (RMk) ke-11: Pembangunan Sistem Pengeluaran Buah-buahan Terpilih dan Varieti Padi Baharu serta Pengurusan Air dan Tanaman bagi Menangani Perubahan Cuaca Ekstrim

Project Duration: 2016 - 2020

Sub-Project: Pengenalpastian Germplasma Padi Toleran kepada Kemarau (2016 – 2018)

Activity: Screening and identify the drought tolerant rice varieties among the selected rice germplasm based on phenotypic and genotypic traits and also physiological traits.

Projek Rancangan Malaysia (RMk) ke-11: Pembangunan dan Peningkatan Skala Padi Hibrid dan Inbred untuk Meningkatkan SSL Negara

Project Duration: 2016 - 2020

Sub-Project: Penghasilan Teknologi dan Peningkatan Skala Padi Inbred

Activity: Identification of potential rice germplasm for rice breeding program based on morphological traits, biotic stresses, and specialty traits. (2017-2020)

International Project: Building the Genesys Catalog of Phenotypic Datasets – Role of MARDI’s Genebank

Project Duration: 2017 – 2018

Activity: Adopting and implementing the DOI standards for MARDI rice germplasm by registering the germplasm into the Global Information System (GLIS). DOIs is a permanent unique identifier and allows the use of material to be tracked thus meeting the legal obligations of the SMTA and monitor the impact of genebank collections in utilization in research and breeding programs.

International Project: Collection of Crop Wild Relatives (CWR) in Malaysia (Rice)

Project Duration: 2015 - 2018

*Activity: Collection and conservation of selected wild rice species namely *Oryza officinalis*, *Oryza mayeriana*, and *Oryza ridleyi* in targeted areas in Peninsular Malaysia and Sabah.*

Short-Term Project Grant: Development of Salinity Tolerant Rice Varieties through Conventional Breeding between Selected Modern Rice Varieties with Pokkali, the Salinity Tolerant Variety

Project Duration: 2012 – 2013

Activity: Breeding and selecting the potential progenies of F1 and F2 for salinity tolerance. The screening was done with salinity level at $EC = 12 \text{ dSm}^{-1}$

Projek Rancangan Malaysia (RMK) ke-10: Pembangunan Bank Gen Kebangsaan

Project Duration: 2011 - 2015

Activity: Collection and conservation of rice landraces throughout the country, characterization and evaluation of rice germplasm for identify the potential accessions for research and breeding program. Also, maintaining the rice genetic resources in the rice genebank for future use.

AWARD

MARDI Science and Technology Exhibition (MSTE) 2012 – Bronze Medal

Site Noorzuraini A. R., T. H. Borromeo, N. C. Altoveros, G. M. Diaz, and A. Kumar. (2012). Identification of drought grain yield QTLs for drought tolerant in Malaysian rice germplasm

Anugerah Perkhidmatan Cemerlang (APC) 2013

MARDI Science and Technology Exhibition (MSTE) 2015 – Bronze Medal

Site Noorzuraini A. R., Fauzi J., and Muhammad Hafiz M. S. (2015). Rice genetic resources in rice genebank for submergence tolerance.

MARDI Science and Technology Exhibition (MSTE) 2019 – Bronze Medal

Azuan A., Site Noorzuraini A. R., Mohd Shukri M. A., Muhammad Izzat Farid M., Muhammad Luqman Hakim F., Mohd Ramdzan O., and Nur Idayu Binti A. R. (2019). Adopting International Standards: The MARDI Rice Germplasm Data Available Globally through Digital Object Identifier (DOI) and Genesys