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UNIVERSITI MALAYSIA SARAWAK

Opportunity To

Change The World via

Agrotechnology Research

esearch

and

Development

Sustainability

Agrotechnology

UNIMAS

Faculty of Resource Science and Technology

Improved Farming Practices: Agrotechnology research provides farmers with knowledge and tools to adopt best practices. This includes efficient irrigation methods, soil health management, post-harvest technologies, and precision farming techniques. By promoting sustainable and efficient farming systems, agrotechnology enhances farm profitability and livelihoods.

Food

Security

Innovation and Collaboration: Agrotechnology research fosters collaboration among scientists, researchers, farmers, and industry stakeholders. This interdisciplinary approach encourages knowledge sharing, technological advancements, and innovation in agricultural practices. By promoting open dialogue and partnerships, agrotechnology research accelerates progress and ensures the adoption of cutting-edge solutions

Food Security: Agrotechnology research plays a crucial developing innovative techniques role in and technologies to enhance agricultural productivity. By improving yields and optimizing resource crop utilization, such as water, fertilizers, and land, agrotechnology helps to meet the growing global demand for food.

Sustainability: Agrotechnology research focuses on developing sustainable farming practices that minimize environmental impact. Through precision agriculture techniques, farmers can make informed decisions about when and where to apply inputs, reducing waste and environmental pollution. This research also explores alternative energy sources and water conservation methods, ensuring the efficient use of resources

Pest and Disease Management: Agrotechnology research aims to combat pests, diseases, and invasive species that pose significant threats to crop health and yield. By developing integrated pest management strategies, including the use of biopesticides, natural predators, and disease-resistant crops, agrotechnologists help minimize crop losses and reduce the reliance on chemical inputs

OUR EXPERTS

POSTHARVEST TECHNOLOGIES

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CROP PROTECTION AND PEST MANAGEMENT

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CROP PHYSIOLOGY AND AGRONOMY

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WEED TECHNOLOGIES AND MANAGEMENT

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TALK TO OUR EXPERTS....



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SOME OF AGROTECH RECENT WORKS

 Articles
 Faculty of Resource Science and Technology
 Global

 Innovation
 News
 Research
 Sustainability

UNIMAS Agrotechnology Researcher Advances Food Packaging Research and Technology at M. Auezov South Kazakhstan University

DMUHAMMAD REDZA MOHD RADZI (S) NOVEMBER 22, 2024



Interactive discussion with postgraduate students from the Department of Technology and Sofety of Food Products at the Higher School of Texilie and Food Engineering, M. Auesov South Kazakhstan University

Dr. Bernard Maringgal, a lecturer and researcher from the Agrotechnology Programme at the Faculty of Resource Science and Technology (FRST), Articles Biodiversity Faculty Faculty of Resource Science and Technology

Bengkel Agrotek – Fertigasi Terung Tingkatkan Kemahiran Belia Kampung Semera

WUHAMMAD REDZA MOHD RADZI () OF CEMBER 1, 2024

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Peserto – peserto Bengkel Agrotek-Fertigosi Terung yang tertihi daripada penduduk ter berpaniber bersama urusetia dan penceramah di tapak fertigosi

Kampung Semera, 30 November 2024 – Program Bengkel Agrotek – Fertigasi Terung, salah satu inisiatif di bawah Program Semera Lestari, telah berjaya dilaksanakan di Kampung Semera. Program ini, yang dianjurkan oleh Universiti Malaysia Sarawak (UNIMAS), bertujuan memperkenalkan teknologi fertigasi dalam penanaman terung kepada komuniti setempat.

Seramai 30 peserta terdiri daripada remaja dan belia berumur 18 hingga 45 tahun menyertai program ini. Mereka diberikan pendedahan teori dan praktikal mengenai sistem fertigasi, termasuk teknik penyediaan baja AB, pemasangan sistem fertigasi, dan kaedah penanaman terung.

Selain itu, peserta turut menerima ceramah asas mengenai kelebihan teknologi ini dalam meningkatkan hasil pertanian dan pendapatan ekonomi. Pengarah program, Dr. Mohamad Hilmi, menjelaskan bahawa program ini dirancang untuk memupuk kesedaran tentang pentingnya penggunaan teknologi tinggi dalam sektor pertanian.

Articles Biodiversity Entrepreneurship Faculty Faculty of Resource Science and Technology Media Release

Industrial Attachment Experience at SinoPlant: A Journey into Agrotech-Driven Ornamental Vegetable Breeding and Crop Innovation

🕼 quhammad redza mohd radizi 🕲 april 8, 2025



Industrial attachments are vital in bridging the gap between theoretical knowledge and practical application. Dr. Freddy's attachment at Shenzhen SincPlant Biotech Ltd provided him with an invaluable hands-or

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AGROTECHNOLOGY INSPIRE: WHAT DO AGROTECHNOLOGISTS DO?

IDMICRY VINCENT ID JANUARY 12 2024

The Agrotechnology Programme is the latest addition to the academic offerings provided by the Faculty of Resource Science and Technology (FRST) in UNIMAS. Recently, UNIMAS Gazette had the privilege of interviewing Dr. Surisa Phonwillay, a lecturer, and Ms. Esther Hansen, a second-year student in the programme, to explore the question: What do AGROTECHNOLOGISTS do?



Students enrolled in the Agrotechnology Programme embark on a comprehensive four-year journey covering various facets of agriculture and technology. In the initial stage, they participate in a lecture-based
 Articles
 Faculty of Resource Science and Technology
 Global

 Sustainability
 Sustainable Development Ocals (SDG)

UNIMAS Strengthens Global Collaboration in Agrotechnology at the Executive Meeting of FANRes 2024

@MUHAMMAD REDZA MOHD PADZI (\$ NOVEMBER 27, 2024



Dr. Walftor Dumin presented UNIMAS's expertise and collaborative apportunities during the Executive

Makassar, Indonesia – Dr. Walftor Dumin, a lecturer and researcher from the Agrotechnology Programme at the Faculty of Resource Science and Technology (FRST), played an integral role at the 9th International Conference on Food, Agriculture, and Natural Resources (FANRes 2024).

UNIMAS Hosts Knowledge Sharing Session on Remote Pilot Certificate of Competency – Basic (RCOC-B)



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JOIN US TODAY!

BE A PART OF OUR AGROTECH STORIES.....



Think About it

"*If Agriculture Goes Wrong, Nothing Else Will Have A Change To Go Right*"

Community-Driven University For a Sustainable World