



- Create Without Limits -



DESIGN SHOW 2025

College of Creative Arts
UNIVERSITI TEKNOLOGI MARA KEDAH BRANCH

ABSTRACT BOOK



UMKM Melayu
لومبا انكوي، مولايا

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Foreword Rector's Message

Assalamualaikum and warm greetings,

It is with great excitement that I welcome you to MINDAREKA 2025, a celebration of creativity, innovation, and the power of ideas. This year's theme, "Create Without Limits," is a call to embrace imagination, push beyond boundaries, and explore new possibilities in every field. Creativity is at the heart of transformation, whether in science, technology, the arts, or social innovation. In a world that is constantly evolving, the ability to think differently, challenge norms, and break new ground has never been more important. MINDAREKA - Create Without Limits provides a platform for visionaries, problem-solvers, and dreamers to showcase their ideas, collaborate, and spark meaningful change. As educators and lifelong learners, we must cultivate an environment where curiosity thrives, unconventional ideas are welcomed, and challenges become stepping stones to progress. This event reflects our collective commitment to pushing the boundaries of knowledge and fostering an interdisciplinary culture of learning. When creativity meets determination, there are no limits to what we can achieve. I extend my heartfelt appreciation to all participants, mentors, and organizers who have brought MINDAREKA - Create Without Limits to life. Your passion and dedication embody the true spirit of innovation that drives our institution forward.

Let's embrace the "Create Without Limits" mindset, inspiring each other to think boldly and make an impact. May this event ignite fresh ideas, lasting collaborations, and groundbreaking discoveries.

Wishing everyone a fulfilling and inspiring experience.

PROF DR ROSHIMA SAID
ACTING RECTOR
UNIVERSITI TEKNOLOGI MARA
KEDAH BRANCH





Head of College's Message

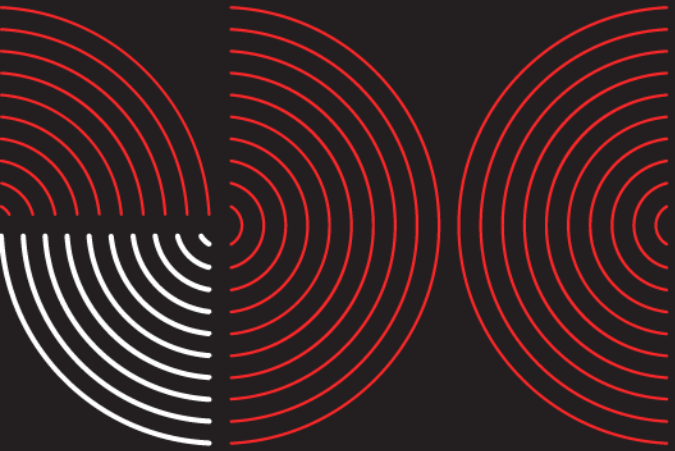
It fills me with immense joy to witness the extraordinary dedication of both the organizing team and students in ensuring the resounding success of this event. Our concern for the future of our students, particularly in navigating the complexities of the new normal, drives us to create a more vibrant and promising world for them. Thus, the significance of MINDAREKA - Create Without Limits, orchestrated by our College of Creative Arts, UITM Kedah Branch, cannot be overstated as it epitomizes our noble aspiration.

A heartfelt expression of gratitude is owed to our tireless organizing committee whose unwavering commitment, boundless energy, and meticulous attention to detail have been instrumental in realizing the objectives of this event. MINDAREKA - Create Without Limits serves as a pivotal platform for all students, particularly those in their final year, to showcase their talents and skills. This platform not only fosters self-expression but also lays the groundwork for students to navigate their professional paths in the future.

I extend my sincerest congratulations and appreciation to the organizing committee, faculty staff, students, and all stakeholders whose collective efforts have ensured the resounding success and cherished memories of this event. To the students, your dedication and hard work are commendable, and as you embark on this new chapter in life, I wish you the very best. May you embrace the opportunities that lie ahead with courage and determination. Best of luck to each of you.

Dr. Nurul 'Ayn Ahmad Sayuti
Head of College of Creative Arts,
UITM Kedah Branch





INDUSTRIAL DESIGN



Muhammad Harraz bin Mohamad Fauzi
Diploma in Industrial Design

GROW EDGE

Design Advisor
Mrs. Fadila Binti Yusof

Abstract

This study explores how effective plant watering can help smallholder farmers overcome challenges to boost yield and reduce poverty. Water management is difficult for small farmers, resulting in reduced crop yields and unpredictable earnings. A pilot experiment provided moisture-regulated watering schedules and drip irrigation tailored to farmers needs to tackle this.

Farmer questionnaires assessed the new watering methods' effectiveness. The feedback illuminated the strategies' usefulness, challenges, and satisfaction. Improved crop health, water efficiency, and irrigation efficiency led to huge financial savings for farmers. increased resource use and fewer labor requirements quickly increased income and stability for many.

The findings highlight the importance of economical and sustainable watering solutions for smallholder farmers to address structural poverty and resource constraint. Participatory input and focused activities help improve local agricultural concerns, according to the trial. For long-term sustainability and poverty reduction, farmer-specific solutions must be combined with constant feedback and change. To improve water management in small-scale farms, future studies should broaden approaches and use digital technologies.





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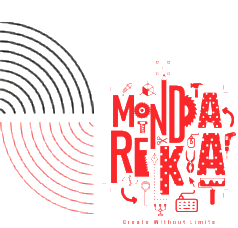
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