



# EXTENDED ABSTRACT



**InViCCAD 2025**  
1<sup>ST</sup> INTERNATIONAL VIRTUAL COMPETITION OF CREATIVE  
ARTS & INNOVATIVE DESIGN IN TEACHING & LEARNING



# Design Innovation Academic Show 2025



Organized by



Fakulti  
Seni Lukis & Seni Reka  
Cawangan Kedah



اوسها تقوى موليا

Collaboration with



#perubahanluarbiasa  
#ADpilihanpertama



**EXTENDED  
ABSTRACT**

**Design  
Innovation  
Academic  
Show 2025**





DIAS 2025 (Design Innovation Academic Show) is all about "Transcending the Boundaries of Creativity: Innovation in Art & Design for 21st Century Education." This vibrant program shines a spotlight on how creativity and innovation are reshaping modern education.

It consists of three key components. First up is the Mindareka Design Show, an exhibition that showcases students' final year projects and creative designs, giving them a chance to connect with industry professionals and the wider community. Next, we have the Northern Innovation Academic Tour (NIAT), which takes participants on an academic adventure to select institutions and innovation centers in the northern region, aimed at promoting knowledge sharing and building strong academic and professional networks.

Finally, there's the 1st International Virtual Competition of Creative Arts & Innovative Design in Teaching & Learning (InViCCAID), a global competition that recognizes outstanding practices in teaching and learning by blending art, technology, and innovative design. But DIAS 2025 is more than just a talent showcase; it's a powerful platform for empowering both students and educators, while also strengthening collaborations between universities, creative industries, and global communities. With its inclusive and interdisciplinary approach, this initiative strives to spark relevant, competitive, and impactful ideas and innovations that truly benefit society and push the future of education forward.



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**D**esign  
*Innovation*  
**A**cademic  
**S**how 2025



**Prof. Dr. Roshima Haji Said**  
Acting Rector  
UiTM Kedah Branch

# Rector's Message

I am delighted to extend my heartfelt congratulations to the College of Creative Arts, UiTM Kedah Branch, for bringing MINDAREKA 2024 - Unleashing Your Visual Creativity to fruition. The triumphs of past MINDAREKA editions undoubtedly fueled the organization of this year's event, making MINDAREKA 2024 a reality.

MINDAREKA 2024 - Unleashing Your Visual Creativity stands as a testament to the dedication of students at the College of Creative Arts, UiTM Kedah Branch, providing them with a platform to showcase their final art projects. Beyond serving as a space for the exploration of fresh, innovative, and entrepreneurial concepts, this exhibition is poised to connect aspiring talents with potential clients and employers.

I extend my sincere gratitude to all participants whose enthusiasm and support have contributed to the success of MINDAREKA 2024 - Unleashing Your Visual Creativity. Their unwavering belief and commitment have truly brought this event to life, marking it as a resounding triumph!





# Head of Faculty Message

It is an honour to introduce DIAS 2025 – Design Innovation Academic Show, held under the theme “Transcending the Boundaries of Creativity: Innovation in Art & Design for 21st-Century Education.” This significant event reflects the faculty’s ongoing commitment to fostering a culture of innovation, critical thinking, and creative exploration among our students and academic community. As we navigate the complexities of the 21st century, it becomes increasingly clear that education must go beyond traditional boundaries to embrace multidisciplinary approaches that are both relevant and future-forward.

The three core components of DIAS 2025, Mindareka Design Show, Northern Innovation Academic Tour (NIAT), and the 1st International Virtual Competition of Creative Arts & Innovative Design in Teaching & Learning (InViCCAID) which is serve as vital platforms to highlight the convergence of design, technology, and pedagogy. These initiatives not only empower our students to showcase their talents and ideas, but also create opportunities for engagement with industry leaders, academic peers, and global collaborators. The Mindareka Design Show celebrates student creativity and innovation through compelling final year projects. NIAT fosters knowledge sharing and institutional partnerships through academic visits and exchanges, while InViCCAID offers international recognition for excellence in integrating art and design into teaching and learning.

I would like to express my deepest appreciation to the organising committee, faculty members, students, and strategic partners who have worked tirelessly to bring this programme to life. Your dedication and collaborative spirit have made DIAS 2025 a reality and a reflection of our shared vision for transformative education. It is my hope that this platform will continue to inspire meaningful dialogue, cultivate groundbreaking ideas, and spark a new wave of innovation that enriches both education and society.



**Mohamat Najib Mat Noor**  
Head of Faculty  
Faculty of Arts & Design  
UiTM Kedah Branch





***Industrial  
Design  
(Diploma)***





## SWIZIE | SWIZEL STOOL

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### ABSTRACT

The SWIZIE Swizel Stool is crafted specifically for fine art students who often find themselves immersed in their studios for hours on end. It beautifully merges ergonomic comfort with creative functionality and a commitment to sustainable design. Drawing inspiration from bar stools, draughting stools, and the sleek lines of mid-century modern style, this stool boasts a rotating seat, a cushioned backrest, a circular footrest, and a handy modular magnetic tray for tools. Constructed from robust rubberwood and anchored by a solid steel base, it effortlessly combines natural warmth with industrial durability. This project is in line with the United Nations' Sustainable Development Goals (SDGs), promoting responsible material usage and enhancing the product's longevity. The SWIZIE Swizel Stool fosters a supportive and inspiring atmosphere that elevates the artistic process.

**Keywords:** SWIZIE Stool, Ergonomics, Adaptability, Sustainability, Studio Furniture

### INTRODUCTION

The SWIZIE Swizel Stool is my industrial design project that aims to provide a modern seating option for fine art students. Drawing inspiration from bar stools, draughting stools, and mid-century modern furniture, it blends strength, comfort, and versatility. The stool features a rotating seat, a cushioned backrest, and a circular footrest for a relaxed sitting experience. Plus, it comes with a unique magnetic tray that can be moved or removed to hold art tools, making it perfect for studio environments. Crafted from sustainable rubberwood with a warm, stain-resistant finish



and a sturdy steel base, this stool allows students to shift their postures easily, supporting those long creative sessions. The design also aligns with the Sustainable Development Goals by emphasising durable materials and promoting repair and customisation. In essence, the SWIZIE Swizel Stool exemplifies how thoughtful design can enhance learning, foster creativity, and encourage responsible consumption.

## MATERIALS AND METHODS



Figure 1.1 The picture of final body structure

The designer chose high-quality rubberwood for the main structure. This wood is strong, resists paint stains and has a warm natural look. The designer shaped the seat and backrest into smooth, organic forms for comfort. The frame uses rod steel, bent and welded to form a stable, minimalist base. This keeps the stool light yet sturdy. For extra functionality, the designer added a detachable magnetic tray. It attaches to the steel frame and can hold small tools, brushes, or accessories. A circular footrest made of steel gives added support. The entire stool is finished with a teak shellac coating, protecting the wood and enhancing its color. Each part is designed for easy maintenance, repair, or replacement, extending the stool's life.

## RESULTS AND DISCUSSION/FINDINGS

Observations in art studios revealed that students frequently change their positions or need quick access to their tools. This insight led to the creation of a rotating seat and a movable tray, designed to adapt to various working styles. With a cushioned backrest and a circular footrest, it offers café-style comfort, making those long hours feel a bit less exhausting. Benchmark studies of brands like IKEA and MUJI underscored the importance of modular, sustainable designs. This inspired the use of durable wood and steel, featuring finishes that resist wear and promote reuse. The stool combines a natural wooden aesthetic with sleek metal accents, making it a perfect fit for creative studio environments. It aligns with the Sustainable Development Goals by minimising waste and encouraging products that can be repaired or customised rather than discarded.

## CONCLUSION & RECOMMENDATION

In conclusion, the **SWIZIE Swivel Stool** combines durability, comfort, and flexibility. Its sturdy rubberwood and steel structure ensures long-lasting use, while its rotating seat and modular tray adapt to different studio needs. The stool promotes better posture and ease during long art sessions. With its simple, modern style, it fits easily into studios, classrooms, or creative workspaces. It is recommended for art students and creative professionals who value **sustainable, versatile furniture** that enhances their working environment.



Figure 1.3 The picture of Environment (SWIZIE)



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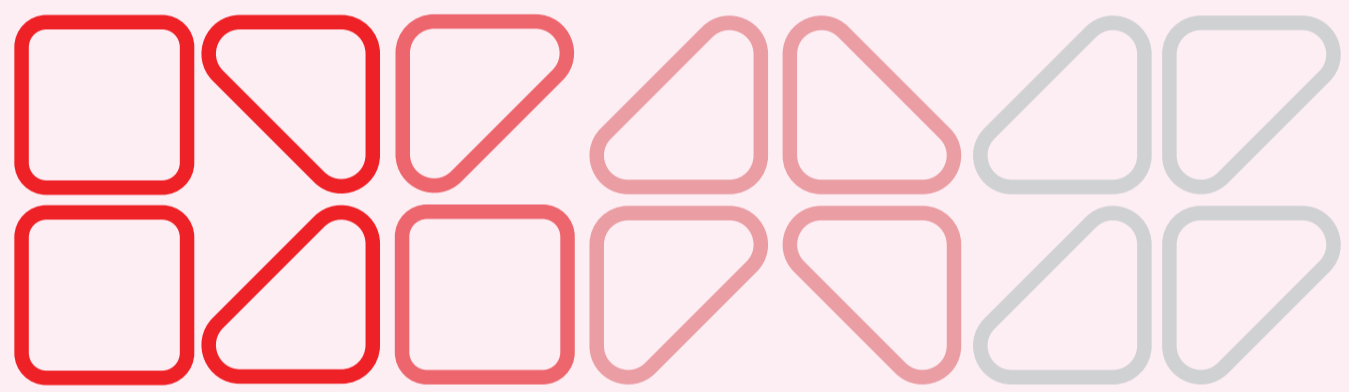
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# DMS



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