



EXTENDED ABSTRACT



InViCCAD 2025
1ST 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.



Publisher

Universiti Teknologi MARA Kedah Branch,
Sungai Petani Campus,
08400 Merbok,
Sungai Petani,
Kedah,
Malaysia.

Copyright 2025 Faculty of Arts and Design,
Universiti Teknologi MARA Kedah Branch.

Copyright © is held by the owners/authors. The extended abstract is published in all rights reserved. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form of any means electronic, mechanical, photocopying, recording, or otherwise, without the prior written permission of the publisher or author.

Perpustakaan Negara Malaysia
Cataloguing – in- Publication Data

Editor : Syahrini Shawalludin, Juaini Jamaludin, Normaziana Hassan, Fadila Mohd Yusof

Co-Editor : Shafilla Subri, Mohd Syazrul Hafizi Husin, Abu Hanifa Ab Hamid, Norarifah Ali, Zaidi Yusoff, Mohd Taufik Zulkefli, Mohd Hamidi Adha Mohd Amin, Ahmad Fazlan Ahmad Zamri, Abdullah Kula Ismail, , Suhaiza Hanim Suroya, Mohamad Hazmi Shoroin, Mohd Zamri Azizan, Mohamat Najib Mat Noor, Asrol Hasan, Azhari Md Hashim, Azmir Mamat Nawawi, Dinah Rakhim, Hasnul Azwan Azizan@ Mahdzir, Nazri Abu Bakar, Muhammad Aiman Afiq Mohd Noor, Nizar Nazrin, Nazirul Mubin Awang Besar, Qatrunnisa Shariff, Mohd Rozman Mohd Nasir, Wan Noor Faaizah Wan Omar

Design & Layout Editor: Syahrini Shawalludin, Nazirul Mubin Awang Besar, Mohd Rozman Mohd Nasir & Qatrunnisa Shariff

Language Editor : Normaziana Hassan & Juaini Jamaludin

DIAS 2025 : Extended Abstract

Perpustakaan Sultan Badlishah
e ISBN: 9 789 672 948 780

Printed By :
Universiti Teknologi MARA Kedah Branch,
Sungai Petani Campus,
08400 Merbok,
Sungai Petani,
Kedah,
Malaysia.





CONTENTS

Rector's Message
Head of College's Message

EXTENDED ABSTRACT

Diploma in Art & Design
(Graphic Design & Digital Media)

Page

1 - 174

Diploma in Art & Design
(Industrial Design)

175 - 575

Bachelor in Art & Design
(Industrial Design)

576 - 760

Design
Innovation
Academic
Show 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
(Bachelor)**





¹Nur Fatin Nabilah Binti Razali, ²Madam Norarifah Binti Ali

Industrial Design Department,
Faculty of Arts and Design,
Universiti Teknologi MARA (UiTM)

fatinnabilarazali3@gmail.com

ABSTRACT

DECORA SULUR is a heritage-inspired bar stool that combines traditional Perak craftsmanship with a modern look. Taking inspiration from the flowing lines of the Sulur Kacang motif found in Rumah Kutai, the design preserves cultural storytelling while fitting into today's contemporary interiors. The legs are shaped from solid pine wood using a wood-turning process, while the seat is hand-crafted with grooves, chiseling, and grinding to achieve a smooth ergonomic curve. The backrest is laser-cut from plywood, assembled into a strong frame, padded with foam, and finished with premium leather. The result is a durable, functional stool that carries the warmth of wood, the strength of steel, and the elegance of leather. It reflects Perak's heritage in a subtle way that appeals to modern lifestyles. By merging culture and function, DECORA SULUR brings traditional motifs into everyday furniture, ensuring they remain alive for the next generation.

Keywords: Rumah Kutai, Sulur Kacang, Perak Heritage, Modern Furniture, Art Deco Design

INTRODUCTION

In Perak, the Rumah Kutai is one of the oldest surviving traditional Malay houses, admired for its simple yet meaningful design. Its wooden structure is decorated with intricate carvings, especially the Sulur Kacang motif, which symbolizes harmony, resilience, and the continuity of life



(Shuaib & Olalere, 2014). However, these cultural details are slowly disappearing as modern furniture focuses only on minimalism, leaving behind the rich identity that once shaped local living spaces (Mohd Nadzri et al., 2021).

Younger generations are drawn to sleek, mass-produced designs but often lose touch with the traditions that give meaning and value to furniture (Shafi et al., 2021). DECORA SULUR was created to bridge this cultural gap by reinterpreting the flowing curves of Sulur Kacang in a modern Art Deco style. Designed for kitchens Islands and casual social spaces, it keeps Perak's Rumah Kutai heritage alive while fitting seamlessly into a contemporary lifestyle.

PROBLEM STATEMENT

In modern furniture, traditional Malay motifs like Sulur Kacang from Rumah Kutai are rarely used. Many contemporary designs prioritize minimalism and practicality, causing the cultural identity in furniture to slowly fade away (Mohd Nadzri et al., 2021). As a result, younger generations are less exposed to the beauty and meaning behind traditional craftsmanship, creating a disconnect between heritage and modern living (Shafi et al., 2021).

This lack of cultural integration has made it difficult for users to connect with furniture that reflects their own identity. Without innovation that combines tradition with functional design, meaningful motifs such as Sulur Kacang risk being forgotten and replaced by generic, mass-produced styles. DECORA SULUR was designed to address this issue by merging Perak's Rumah Kutai heritage with a contemporary Art Deco look, bringing cultural storytelling back into everyday furniture.

DECORA SULUR combines traditional woodworking with modern fabrication. The legs are made from solid pine wood and shaped on a lathe machine to create smooth, clean lines. After turning, they were sanded and finished with a clear spray coat to protect the surface while keeping the natural grain visible.

For the seat, I first marked the shape, then made grooves using an arm saw. Excess material was removed with a chisel, and a grinder machine was used to refine the surface into a smooth ergonomic curve.

The backrest required a more detailed process. Several plywood parts were laser-cut, assembled, and glued together to form a sturdy internal frame. Foam padding was added for comfort, and the entire backrest was wrapped in leather for a modern, refined look. It was then joined securely to the main seat using 10 mm solid steel rods and hollow square connectors, creating a slim yet durable structure.



Figure 1.1 Wood turning process for shaping the stool legs on a lathe machine.



Figure 1.2 Shaping the seat using an arm saw, chisel, and grinder machine to create a smooth ergonomic curve



Figure 1.3 Final render of DECORA SULUR – a heritage-inspired bar stool blending Rumah Kutai motifs with modern Art Deco style



RESULTS AND DISCUSSION

DECORA SULUR successfully blends the traditional beauty of Rumah Kutai with a modern, functional design. The flowing lines of the Sulur Kacang motif are subtly reflected in the shape of the seat and backrest, giving the stool a cultural identity without making it look overly traditional. The combination of pine wood, plywood, steel, and leather create a balanced design that feels both warm and durable.

From a functional point of view, the seat is comfortable thanks to its hand-shaped ergonomic curve. The padded backrest, wrapped in leather, adds extra support while keeping the look elegant. Visually, it works well in both modern kitchens and casual social spaces.

More importantly, the design brings Perak's heritage into a contemporary setting. By reinterpreting traditional motifs in a useful, everyday piece, DECORA SULUR keeps cultural elements alive while appealing to younger generations who value both style and meaning.

CONCLUSION & RECOMMENDATION

DECORA SULUR shows that cultural heritage can live on in modern furniture without losing its meaning. By integrating the Sulur Kacang motif into a practical and stylish bar stool, the design preserves a piece of Perak's Rumah Kutai legacy while staying relevant to contemporary homes. The soft ergonomic seat, sturdy structure, and refined leather backrest make it both comfortable and visually appealing.

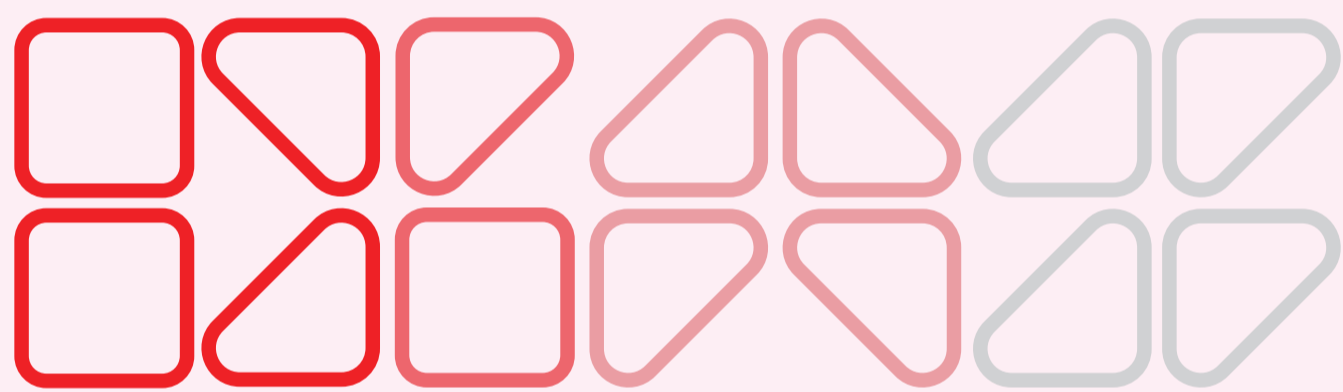
This project proves that traditional motifs can be reinterpreted to suit modern tastes. It encourages designers to look back at local heritage as inspiration for new ideas. In the future, this approach can be expanded



into a full collection of furniture pieces that celebrate Malaysian culture. More experimentation with sustainable materials and other traditional patterns can further strengthen the connection between heritage and modern living.

REFERENCES

- Shuaib, M. & Olalere, F. (2014). Traditional Malay architecture is deeply rooted in cultural values and beliefs. The decorative elements such as Tebuk Angin and Sulur Kacang are not merely ornaments but are symbolic representations of harmony and identity.
- Mohd Nadzri, M. et al. (2021). The absence of traditional Malay decorative elements in modern furniture contributes to the erosion of local identity, especially among designers and consumers in Perak.
- Shafi, N. et al. (2021). There is a growing disconnect between younger generations and traditional crafts due to the lack of innovation in design that combines functionality with heritage aesthetics.



DMS



اَوْنِيُو تِكْنُوْلُوْجِي مَرَا
UNIVERSITI
TEKNOLOGI
MARA



9 789672 948780

