



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)**





BULAN I COFFEE TABLE

¹Aishah Ahmad Nazri, ²Asrol Hasan

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

aishahnazri04@gmail.com

ABSTRACT

BULAN is a modular coffee table inspired by natural textures and traditional craftsmanship. The design integrates sustainable materials such as woven nipa palm midrib sticks and shredded lidi nipah, which is processed into an MDF-like material. These elements are combined with laser-cut plywood and a steel frame, forming a structure that is both durable and aesthetically refined. The weaving panel is placed at the center of the table, showcasing traditional techniques while providing a strong visual identity. The shredded lidi nipah is dyed, molded, and used to form textured surfaces, adding depth and material richness to the overall design. This use of biodegradable and regionally sourced materials promotes eco-conscious thinking in modern furniture production. Modular in nature, the table components can be easily assembled and adapted for various functions, making it suitable for flexible living or working spaces. The design reflects the needs of professionals who value both functionality and artistic expression. With smooth contours and earthy tones, BULAN brings warmth into contemporary interiors without compromising modern aesthetics. The project reflects the principles of industrial design: problem-solving through material research, construction experimentation, and user-centered thinking. BULAN is not just a table-it is a statement piece that bridges tradition and innovation, offering a unique product experience rooted in cultural relevance and sustainability.

Keywords: Coffee Table, Nipa Palm Midrib Weaving, Modular Structure, Textured Finishes

INTRODUCTION

This explores the integration of traditional weaving techniques using nipa palm (*Nypa fruticans*) midrib sticks into a modular coffee table design. Aimed at modern business users, the table combines cultural craftsmanship with contemporary form through detachable woven panels and textured finishes. The design emphasizes sustainability by utilizing natural materials and modularity for ease of transport, repair, and customization. This fusion of tradition and innovation not only celebrates local craft but also promotes eco-conscious furniture design suited for modern interiors.

MATERIALS AND METHODS



Figure 1.1: The picture of final body structure



Begin by laser-cutting plywood to form the precise shape of the coffee table structure. This ensures clean, accurate edges and a consistent base form. In the center of the plywood panels, I place handwoven sections made from nipa palm midrib sticks, bonding them securely to highlight the traditional weaving element. To create additional components, I shred the lidi nipah into fine fibers and process them into an MDF-like material. The shredded fibers are then colored and fitted into a custom mold to form smooth, shaped surfaces. After assembly, all parts are finished with sanding and surface treatment to enhance both durability and visual appeal. This process combines modern fabrication with natural materials and traditional techniques, resulting in a coffee table that is both functional and culturally grounded.

RESULTS AND DISCUSSION/FINDINGS

The design is inspired by the natural texture and earthy tones of traditional weaving. The warm, organic colors of nipa palm and the handcrafted quality of the weave bring a sense of calm and authenticity. I explored the material properties, patterns, and structural potential of nipa palm midribs, along with references from modern furniture. This research guided the creation of a table that is both functional and expressive. The woven panel placed at the center adds visual contrast and highlights traditional craftsmanship. Combined with a molded base made from shredded lidi nipah, the coffee table offers a balanced design - strong, modular, and rooted in natural materials. It's made to fit modern spaces while offering a touch of cultural character and comfort.

CONCLUSION & RECOMMENDATION

In conclusion, the BULAN Coffee Table combines strength, craftsmanship, and modern aesthetics. Its modular form and natural

materials make it both practical and visually distinctive. The woven nipa palm panel and molded shredded lidi surface reflect a balance between tradition and innovation. With its clean lines and warm textures, BULAN fits seamlessly into living rooms, studios, or professional spaces. It is a functional centerpiece designed for those who appreciate thoughtful designs rooted in cultural inspiration.



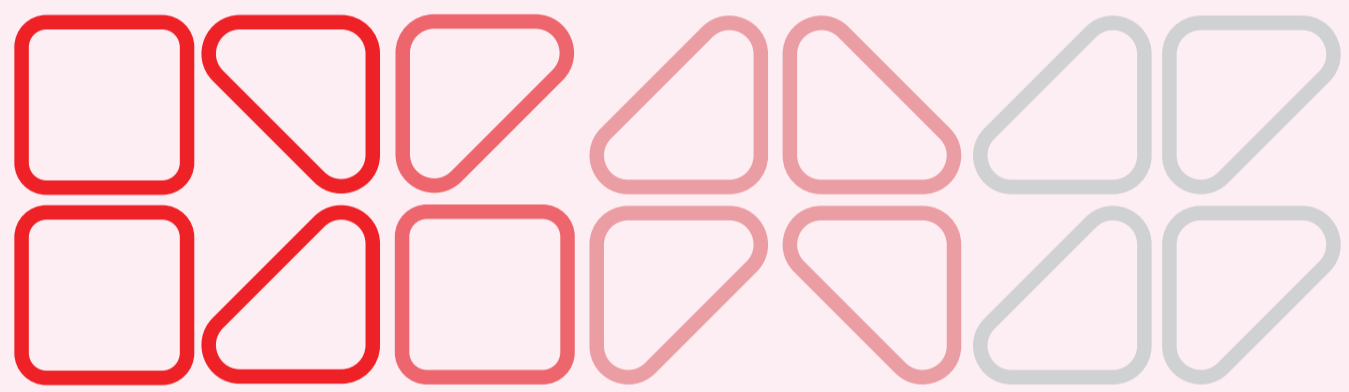
Figure 1.2: The picture of Environment (BULAN)

REFERENCES

1. Ahmad, R., & Hassan, S. (2015). The Application of Natural Fibres in Product Design.
2. *Procedia - Social and Behavioral Sciences*, 195, 2620-2627.
3. Jamaludin, M. F., & Mustaffa, N. (2020). Bamboo and Rattan in Malaysian Furniture Design: Cultural Identity and Modern Application. *Malaysian Journal of Industrial Design*, 2(1), 22-31.
4. Kraftangan Malaysia. (2009). *Seni kraf Roton: Motif & Teknik*. Perbadanan Kemajuan Kraftangan Malaysia.



5. Nor, N. M., & Yusoff, S. (2019). Sustainable Material Usage in Malaysian Craft Design.
6. *Asian Journal of Environment-Behaviour Studies*, 4(13), 63-72.
7. Ramli, M. I., & Wahab, A. F. A. (2018). Indigenous Weaving Techniques as Contemporary Design Strategy. *International Journal of Creative Future and Heritage*, 6(1), 1-12.



DMS



اَوْنِيُو تِكْنُوْلُوْجِي مَرَا
UNIVERSITI
TEKNOLOGI
MARA



9 789672 948780

