



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.



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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)**





ECO Aura | AROMATHERAPY STUDY LAMP

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ABSTRACT

EcoAura is a compact, multifunctional aromatherapy study lamp designed to support the emotional and cognitive needs of university students. In environments where stress, fatigue, and limited personal space are common, EcoAura offers a calming, practical solution. It combines soft adjustable lighting, essential oil diffusion, and the soothing presence of artificial moss into one thoughtful design. Unlike standard desk lamps focused purely on function, EcoAura promotes focus and relaxation through a multisensory experience. The artificial moss, though not living, visually and texturally mimics real greenery—offering the emotional benefits of biophilic design. Studies show such simulated nature can reduce stress and enhance mood, especially in indoor settings. Crafted from laser-cut plywood, acrylic panels, LED strips, and an oil-compatible diffuser, each material was chosen for its tactile, visual, and functional qualities. After multiple prototype iterations and user testing, the final design balances aesthetics, usability, and wellness. Feedback confirmed its ability to ease tension and improve mood. EcoAura isn't just a lamp—it's a wellness companion that transforms study spaces into restorative environments through the thoughtful integration of design and nature.

Keywords: Biophilic design, artificial moss, aromatherapy, student wellness, study lamp

The EcoAura aromatherapy study lamp was born from a desire to support university students' mental health and cognitive focus in a compact and aesthetically pleasing way. Students today often face long hours of studying in confined dorms or shared accommodations, environments that frequently lack emotional or sensory comfort. Conventional desk lamps typically only provide lighting without addressing the user's need for calm and clarity. EcoAura was designed with this limitation in mind bringing in elements of biophilic design to create a more soothing and focused workspace.

Biophilic design integrates natural elements into built environments to improve psychological well-being and performance. In EcoAura, this is achieved through the gentle use of calming light, diffused essential oils, and the inclusion of artificial moss. Essential oils like lavender and peppermint have been shown to reduce anxiety, enhance memory, and promote mood regulation (Lavender-rosemary blend reduces test anxiety, 2023; The Effects of Essential Oils on the Nervous System, 2023). According to Spence (2020), ambient scent plays a significant role in shaping emotional and cognitive states, especially in spaces where people work or study for extended hours.

Artificial moss, though not living, visually simulates the presence of nature and has been found to trigger similar psychological responses as real greenery. Studies by Wio Eco (2020) and Garden on the Wall (2020) suggest that preserved or artificial plants can still promote stress reduction and improve emotional comfort in indoor environments. EcoAura brings these ideas together light, scent, and nature-inspired form to create an emotionally intelligent design that supports students' wellness and focus in academic settings.

DESIGN AND DEVELOPMENT

Ideation 5 represents the final refined concept of EcoAura, combining a minimal yet sophisticated form with practical biophilic elements. The design takes



the shape of a circular wooden frame, symbolizing unity and calmness, while also serving as the main lighting structure. The ring is crafted from laser-cut plywood, giving it a warm, natural texture that enhances the sense of connection to nature. Inside the ring, an integrated LED strip provides soft ambient lighting, designed to reduce glare and create a soothing atmosphere for study sessions. At the base of the structure is a sleek white housing unit made from 3D-printed components, which holds the essential oil diffuser and artificial moss. The moss adds a visual touch of greenery, simulating a small piece of nature indoors, while the diffuser emits calming scents like lavender or peppermint to enhance focus and reduce stress. This combination brings a multisensory experience where sight, scent, and mood interact harmoniously.

The compact and balanced design ensures stability while maintaining portability deal for students with limited desk space. The circular form also allows the lamp to project even light distribution, making it functional for reading or ambient lighting. User feedback during earlier ideation stages highlighted the importance of both emotional appeal and practicality, which informed the final selection of materials and proportions in this concept. Ideation 5 embodies the core purpose of EcoAura: merging functionality, aesthetics, and wellness into one cohesive product for modern academic environments.



Figure 1.1 Progress of designing ideation.

The user testing and feedback phase of the EcoAura lamp played a crucial role in refining the final prototype and validating its functional and emotional effectiveness. Three different prototypes were developed using real materials 3D-printed PLA, laser-cut plywood, and a hybrid model combining LED strips, diffuser components, and artificial moss. Among these, the hybrid prototype was selected as the final design due to its high user engagement and balanced integration of functionality and aesthetic value. A group of university students participated in a structured evaluation process involving visual analysis, tactile response, scent performance, and ambient lighting experience. Feedback indicated that the combination of artificial moss and essential oil diffusion enhanced the emotional comfort of the study environment, creating a calming effect especially valued during late-night study sessions. The moss contributed to a visual green element that brought nature indoors simulating a more grounded and peaceful setting. Participants described the lighting as soft, focused, and soothing, while the aroma diffuser provided subtle therapeutic benefit. Technically, the lamp performed reliably under typical study conditions. The USB-powered diffuser worked seamlessly with minimal noise, and the LED strips offered adjustable brightness suited for both focused reading and ambient lighting. The plywood frame maintained structural stability and visually softened the high-tech components. Importantly, the three-legged base offered excellent balance and prevented tipping during usage. This phase demonstrated that EcoAura not only functions as a lighting and aroma device but also delivers multisensory comfort validating its role as a wellness-focused, student-friendly product.

CONCLUSION AND RECOMMENDATION

EcoAura was designed with one clear intention to help students feel more at ease and focused during their daily study routines. By combining gentle lighting, calming essential oils, and the soothing visual of artificial moss, the lamp doesn't just light up a space it changes the atmosphere entirely. It adds a little piece of calm in the middle of stressful study nights. The process of designing EcoAura



involved creating three real-material mock-ups using 3D printing, laser-cut plywood, LED strips, diffuser components, and faux moss. From those, the final version was carefully chosen based on function, form, and how people responded to it emotionally. The selected model is compact, lightweight, and easy to use perfect for student dorms or shared study spaces.

User feedback showed that the lamp made a positive impact on both mood and concentration. Students appreciated the soft glow and subtle scent, and many felt the green moss element made their space feel more alive and calming. It proves that good design can go beyond just how something works it can also change how we feel. Moving forward, there's potential to improve the product even more maybe by adding wireless charging, smart control features, or scent refill options. EcoAura could also be adapted for use in therapy rooms, coworking spaces, or wellness centers. The biggest takeaway? When we design with empathy and emotion in mind, we create products that not only function but truly connect with people.

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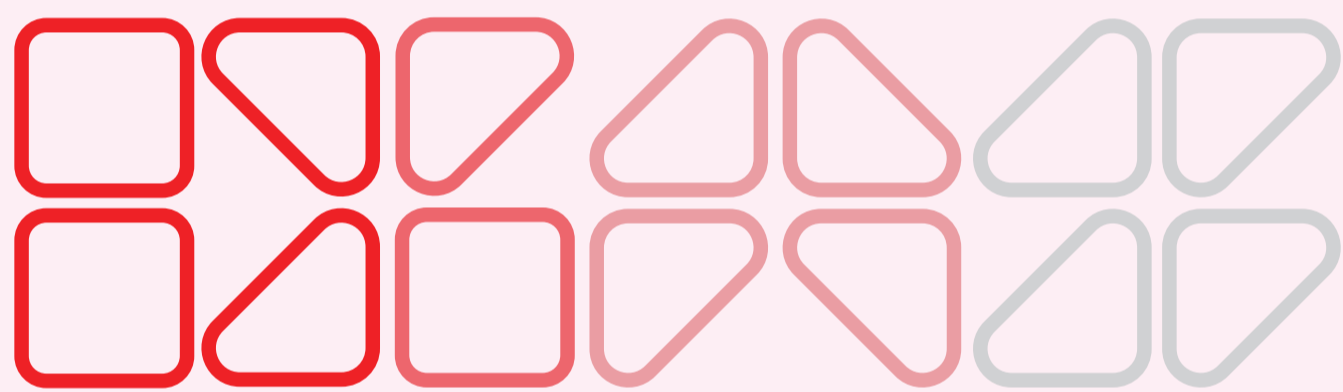


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