



اَبُو سَيِّدِي تَكْوَلُ لِي مَا اَنَا
UNIVERSITI
TEKNOLOGI
MARA



PROCEEDINGS OF JOHOR INTERNATIONAL INNOVATION INVENTION COMPETITION AND SYMPOSIUM 2024 (JIIICaS 2024)



*“Flourish and Nurturing Sustainable
Innovation for a Prosperous Nation”*

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Preface

In the name of Allah, the Almighty who gives us the enlightenment, the truth, the knowledge and with regards to Prophet Muhammad (peace be upon him) for guiding us to the straight path. We thank to Allah for giving us guidance and strength to write this e-book.

This e-book compiles the extended abstracts that submitted to Johor International Innovation Invention Competition and Symposium 2024 (JIIICaS2024), where JIIICaS2024 is a virtual platform for all creative minds to share and present their invention and innovation. Each abstract gives a brief background on the innovation or project.

We hope that this e-book will help the readers to get to know the innovation done by the students and get some ideas to develop future innovation products.

Foreword Rector



Assalamualaikum warahmatullahi Wabarakatuh,
Salam Sejahtera, Salam Malaysia MADANI and
Salam UiTM Dihatiku.

In the name of Allah, the Most Gracious, the Most
Merciful.

It is a great honor to welcome you to the Johor
International Innovation, Invention, Competition, and
Symposium 2024 (JIIICaS 2024). This event

connects various disciplines, focusing on education and engaging educators,
students, researchers, and innovators from all walks of life.

Innovation is not just about ideas; it demands perseverance, creativity, and
determination to turn those ideas into reality. The remarkable projects
showcased today highlight the dedication and spirit of all participants.
Initiatives like this not only explore new technologies but also cultivate skills
and leadership among our youth. At Universiti Teknologi MARA (UiTM) Johor
Branch, we are fully committed to fostering a dynamic culture of innovation,
promoting the commercialization of new products, and encouraging
meaningful collaborations with industry and society.

As we celebrate this event, I would like to extend my heartfelt gratitude to all
sponsors, judges, the College of Computing, Informatics and Mathematics,
UiTM Pasir Gudang Campus as the event organizer, as well as to the
researchers and participants for their hard work in making this event a
success. Let us continue striving for innovation and excellence. May the
ideas presented today inspire us and lay the groundwork for future
achievements.

Thank you.

Associate Professor Dr. Saunah Zainon
Rector
Universiti Teknologi MARA (UiTM)
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(A-SS005) PHONE CASE WITH LCD WRITING TABLET

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ABSTRACT

Phone case with LCD Writing Tablet is a product that we produce especially for students, housewives and also office workers. This product is also produced with a combination of phone case and LCD Writing Tablet. The problem faced by students, housewives and even officers is that they forget about the work they need to do. For example, they use sticky notes to write their assignments but the paper is lost. Not only that, our phone also has 'notes' but some people forget to check the 'notes' again. As a step to overcome the problem, today's society spends more time holding and using their phones all the time. What's wrong with changing their phone case by placing an LCD Writing Tablet so that they can write their assignments and after completing all their assignments they can just match the writing on the LCD Writing Tablet. With this product, it will make it easier for students, housewives and officers to carry out their daily tasks. This product can be sold at a reasonable price depending on the respective phone model.

Keywords: Phone case, LCD Writing Tablet

1.0 INTRODUCTION

The Innovative Phone Case with LCD Writing Tablet is designed for students, housewives, and office professionals who struggle to remember tasks. This sophisticated gadget combines phone safety with the functional advantages of an LCD Writing Tablet. The integrated writing tablet allows users to write down notes, reminders, and to-do lists with the included pen, simulating the tactile sensation of pen and paper. Deleting tasks is as simple as pressing a button, providing a fresh start for organising thoughts and handling everyday duties. Despite its improved functions, the casing remains sleek and portable, effortlessly blending into hectic lifestyles. Our cheaply priced Phone Case with LCD Writing Tablet works with a variety of phone models and provides a practical answer to the common problem of forgetting assignments and tasks. Stay organized, efficient, and in control of your daily endeavors while keeping your phone easily accessible.

2.0 OBJECTIVE

The Phone Case with LCD Writing Tablet is designed to optimize user experience by:

- To navigate and that seamlessly incorporates the LCD writing tablet into the phone case, optimizing convenience, portability, and use by offering a design that is easy for users.
- To record notes, reminders, and to-do lists directly on their phone case. It enhances users' organization and productivity by providing a handy platform.
- To monitor projects and deadlines by offering users a visual and tangible approach.
- To Advocate for eco-friendly alternatives by diminishing dependence on paper and promoting sustainable methodologies.

3.0 METHODOLOGY

This Phone Case with LCD Writing Tablet is a versatile and useful tool for students, housewives, office workers, and anybody with a hectic schedule. Here's a closer look at its characteristics. Users can write directly on the Writing Tablet with the provided stylus or any other acceptable writing instrument. The sensitive writing surface enables smooth and accurate writing, ensuring that notes are legible and easy to understand. When activities are completed or no longer required, users can easily delete the writing with the touch of a button, freeing up the Writing Tablet for new entries. Furthermore, this phone cover is intended to give both usefulness and protection for customers' devices. It has a small and lightweight design that adds little bulk to your phone, allowing for simple handling and portability. The sturdy design protects your phone from bumps, scratches, and normal wear and tear. At last, by using this Phone Case with LCD Writing Tablet, you are making a sustainable choice that contributes to the reduction of paper waste connected with traditional note-taking methods. The Writing Tablet is reusable and can be wiped and rewritten multiple times, making it an environmentally responsible alternative to throwaway paper notebooks and sticky notes

Example of Figure is given below.



Figure 1: LCD Writing Tablet put at the back transparent case and at the foldable leather case

4.0 RESULTS

With the Phone Case with Integrated LCD Writing Tablet, users can effortlessly scribble down notes, reminders, and to-do lists right into their phone case, providing unmatched convenience. It is perfect for people on the go because of its integrated

design, which guarantees that crucial information is always available. This device, which blends in perfectly with users' everyday routines, increases productivity and encourages sustainability by lowering the consumption of single-use paper items. It's the ideal tool for remaining organized and on top of things in today's hectic world thanks to its fashionable design and configurable features.

5.0 CONCLUSION

The Phone Case with LCD Writing Tablet is a unique device designed to help students, housewives, and office workers remember tasks and assignments. It combines the functionality of a phone cover with the practicality of an LCD Writing Tablet, allowing users to write notes, reminders, and to-do lists directly onto the case's integrated writing tablet. The tablet offers a natural writing experience similar to pen and paper, and can be erased with a button. The case is sleek and portable, ensuring organization, productivity, and control over daily life. It encourages sustainability by reducing single-use paper use and is an ideal tool for staying organized and on top of things in today's hectic world.

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