

The background is a solid blue color. It is decorated with several vertical white lines of varying lengths and positions. Scattered throughout the background are small squares in three colors: orange, teal, and light blue. Some of these squares are solid, while others are outlined.

FarAd Solutions

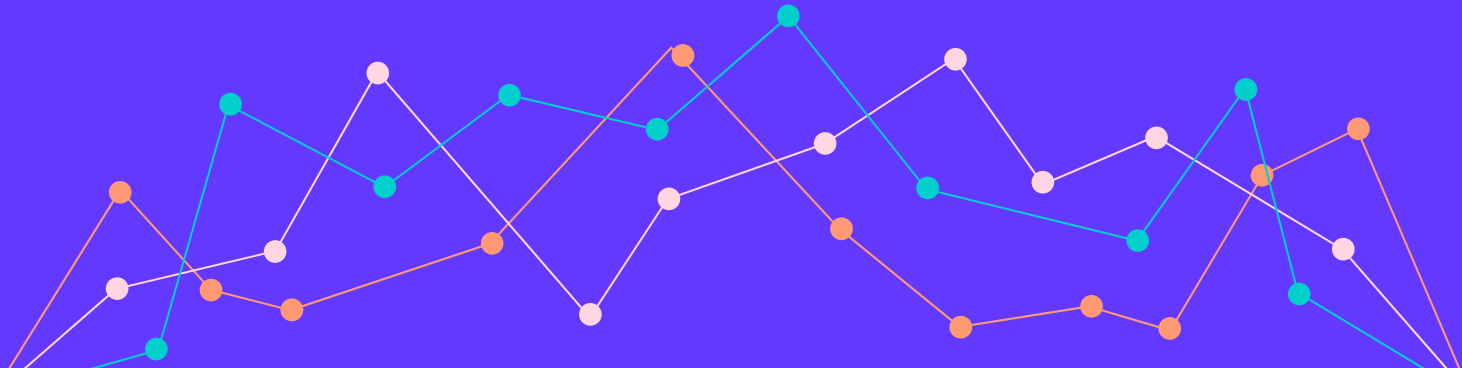
The Smart Way to Secure Your Door

THIS IS ALI



12,000

In Malaysia, burglary and home intrusion remain concerns. In 2022, reports from PDRM (Royal Malaysia Police) revealed that there were over **12,000 cases** of house break-ins, with urban areas like Kuala Lumpur seeing a higher incidence



Polis tumpas kegiatan pecah masuk bangunan kerajaan, sekolah

Oleh Zuliaty Zulkiffli - Mei 23, 2024 @ 5:38pm

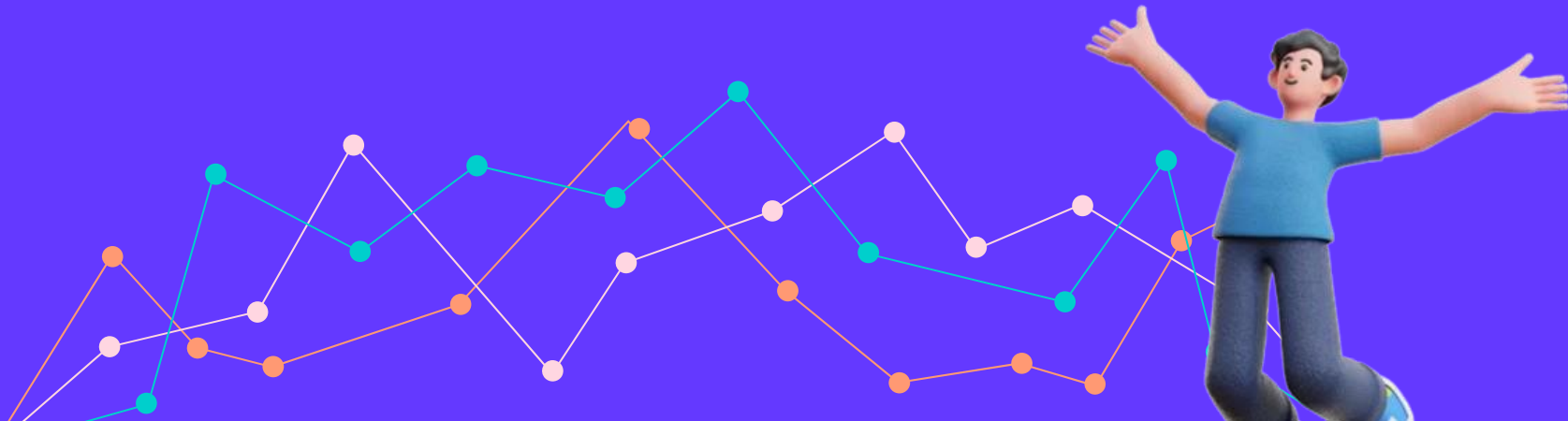
bhnews@bh.com.my



Ketua Polis Kedah, Datuk Fisol Salleh (tiga dari kiri) menunjukkan barangan yang diperolehi semula selepas menahan 11 suspek termasuk tiga wanita kerana disyaki terbabit dalam kegiatan pecah masuk bangunan kerajaan di Kedah dan Perak.

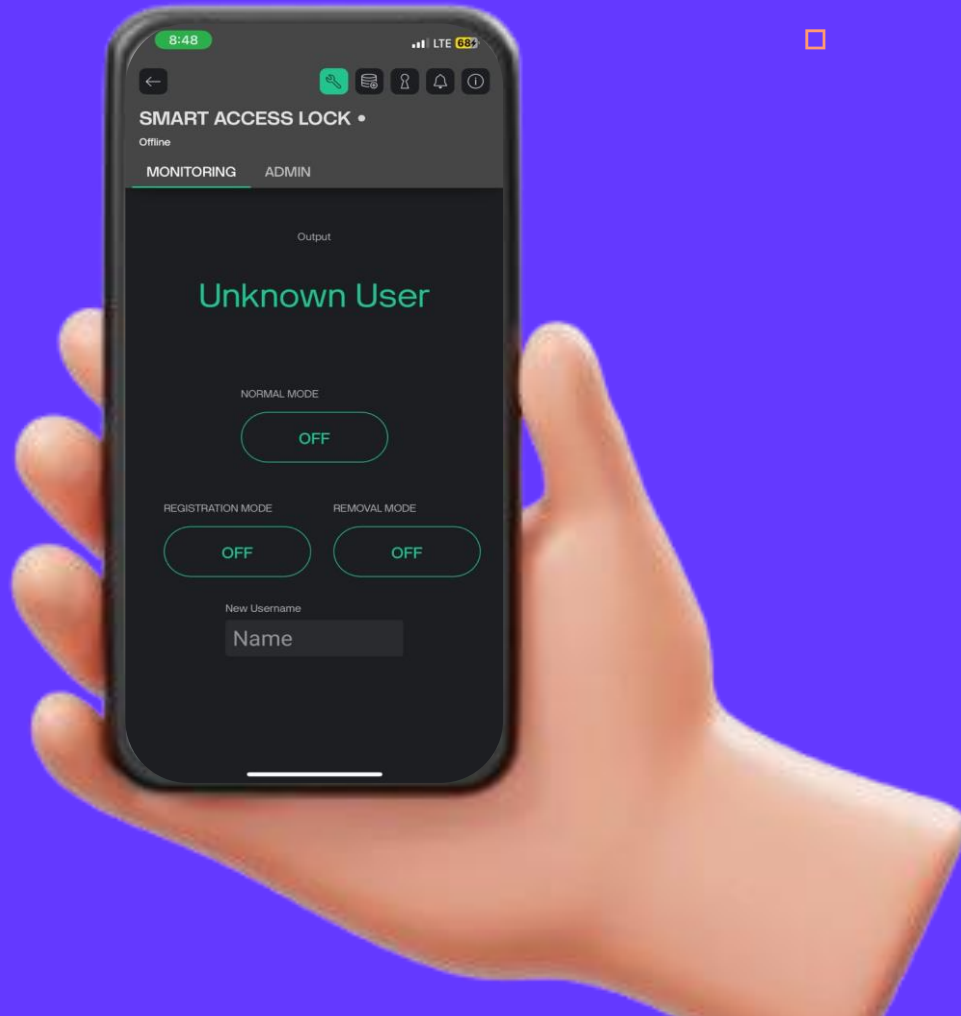
SMART ACCESS LOCK

The **Smart Access Lock** is an RFID-based security system that offers remote control, real-time monitoring, and user management via a mobile app. It's perfect for securing homes and offices with ease and reliability.



HOW IT WORKS







GOOGLE SHEETS

A	B	C	D
TimeStamp	Username	UID	Action
9/27/2024 21:43:	Farabi	73950b14	entered
9/27/2024 21:43:	Farabi	73950b14	left
9/27/2024 21:45:	Farabi	73950b14	entered
9/27/2024 21:46:	Farabi	73950b14	left
9/27/2024 21:46:	Farabi	73950b14	entered
9/27/2024 21:55:	Ali	73950b14	entered
9/27/2024 21:55:	Ali	73950b14	left

ADVANTAGES

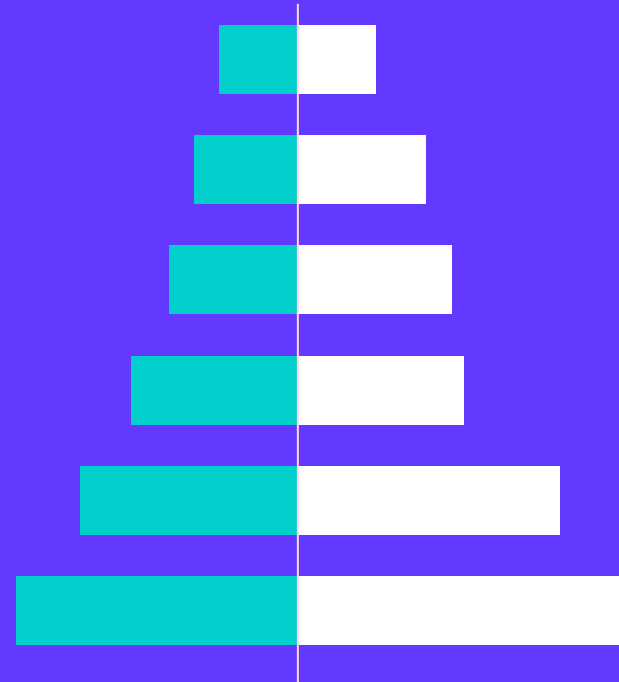
Keyless Entry: Eliminates the need for physical keys

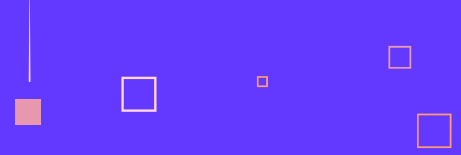
Remote Access: The door can be locked/unlocked from anywhere via the Blynk app

Data Logging: Integration with Google Sheets for tracking and logging access events

Scalable: Multiple RFID cards can be registered, making it ideal for offices and homes

Security Alerts: Notifications for unauthorized access attempts in real-time

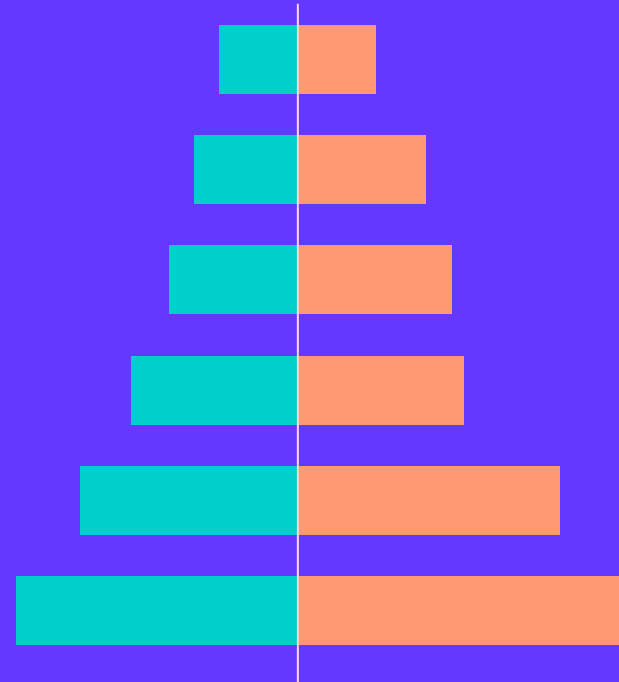




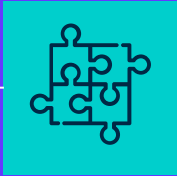
Disadvantges

Requires Internet: System relies on a stable WiFi connection for remote access and monitoring

Card Limit: Limited to registering a fixed number of RFID cards

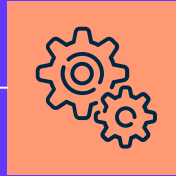


IDEAL INSTALLATION LOCATION



Offices

Use to secure restricted areas or staff rooms



Schools and Institutions

Ideal for controlling access to libraries, labs, or staff offices



Residential Homes

Enhance home security by installing at the main entrance or personal rooms

COST ESTIMATE AND COMPONENT

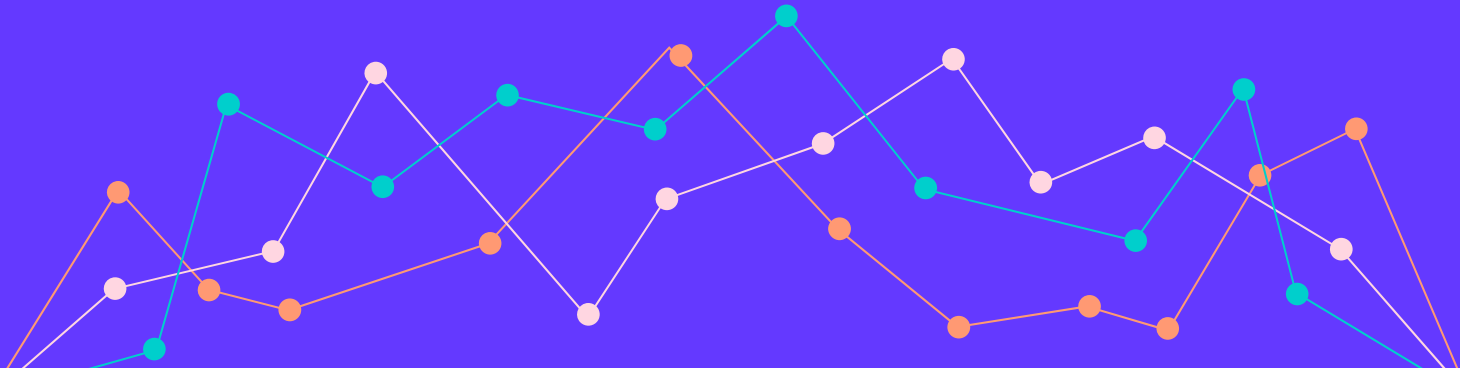
Component	Quantity	Approximate Cost (RM)
ESP32 Dev Module	1	30.00
RFID Reader (MFRC522)	1	15.00
RFID Cards/Key Fobs	2	5.00
Servo Motor	1	8.50
Magnetic Door Switch	1	2.20
LEDs (3 pcs)	3	3.00
Buzzer	1	4.00
Node MCU Expansion board	1	15.00
Decoration	1	30.00
Miscellaneous (wires, resistors, etc.)	1	5.00
TOTAL PRICE		117.70

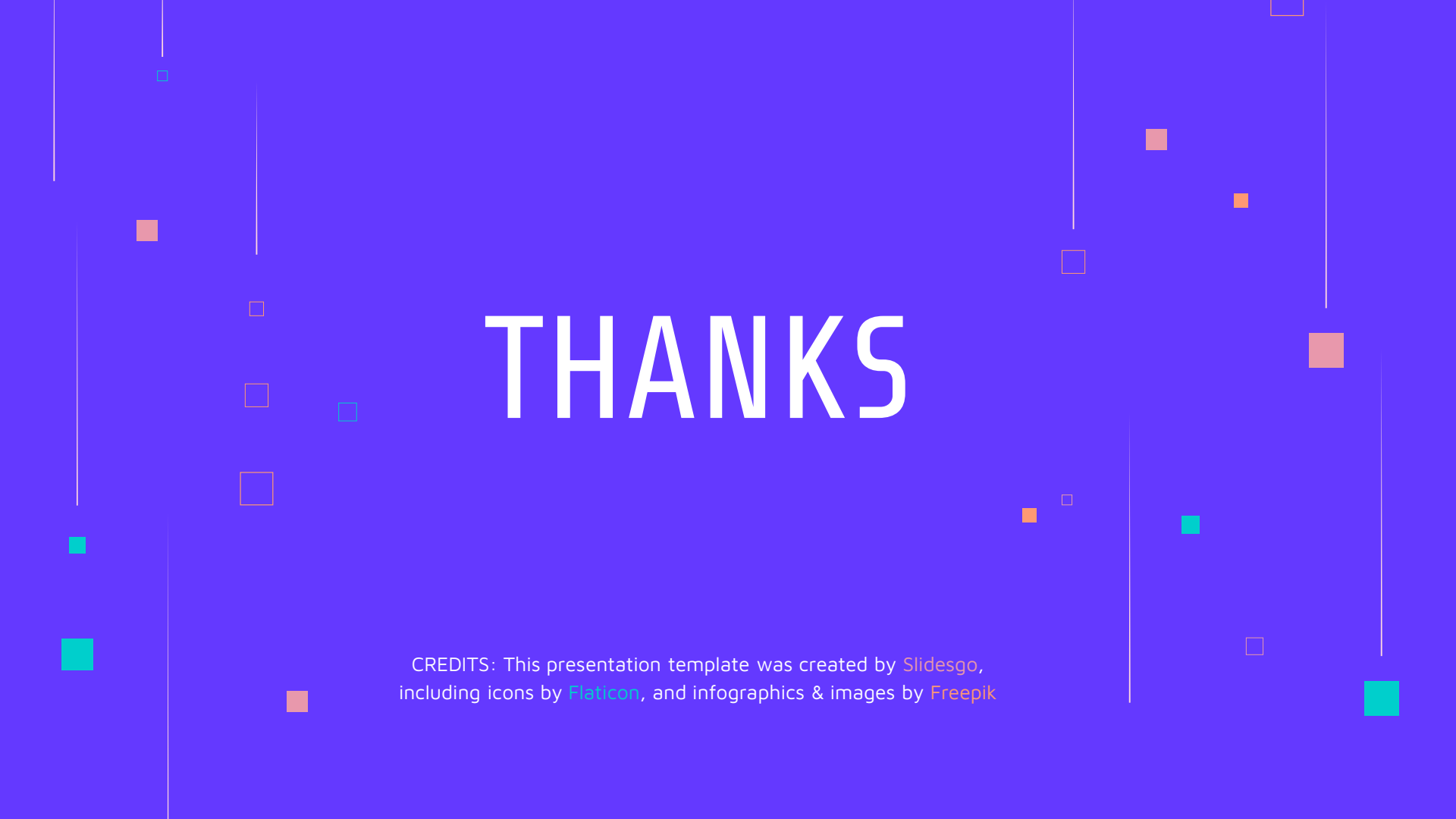
DEMO TIME!

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CONCLUSION

The **Smart Access Lock** offers a reliable, user-friendly solution for modern security. Combining convenience, remote control, and robust safety features, it provides peace of mind and sets a new standard for smart living at an affordable cost.



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THANKS

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