

IDADX - A Platform to Mitigate Cyber Threats

Phishing, Abuse, Fraud, Online Gambling, and Other
Cyber Threats

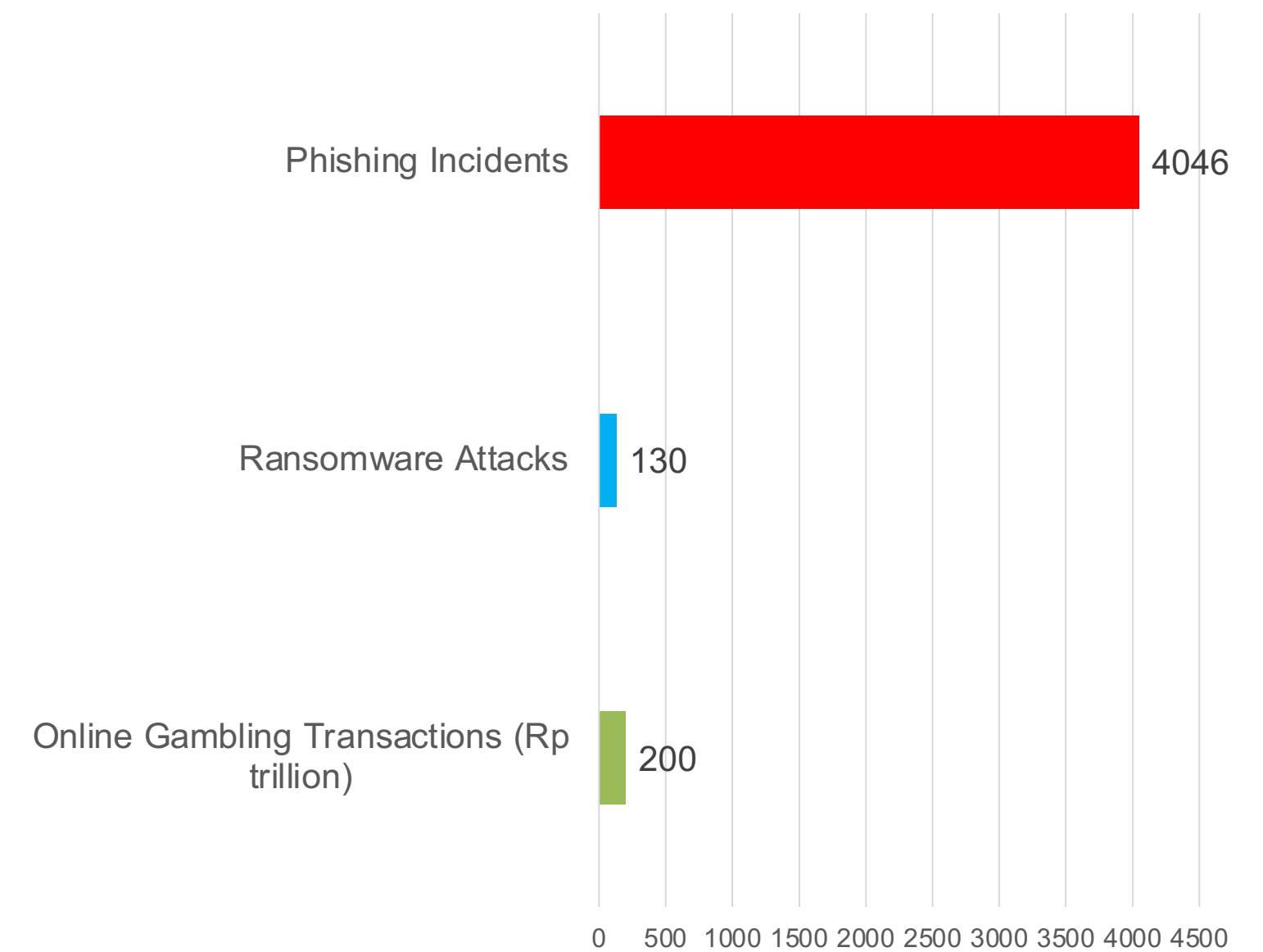
Muhammad Fauzi

Research and Development Manager of .id Registry - PANDI



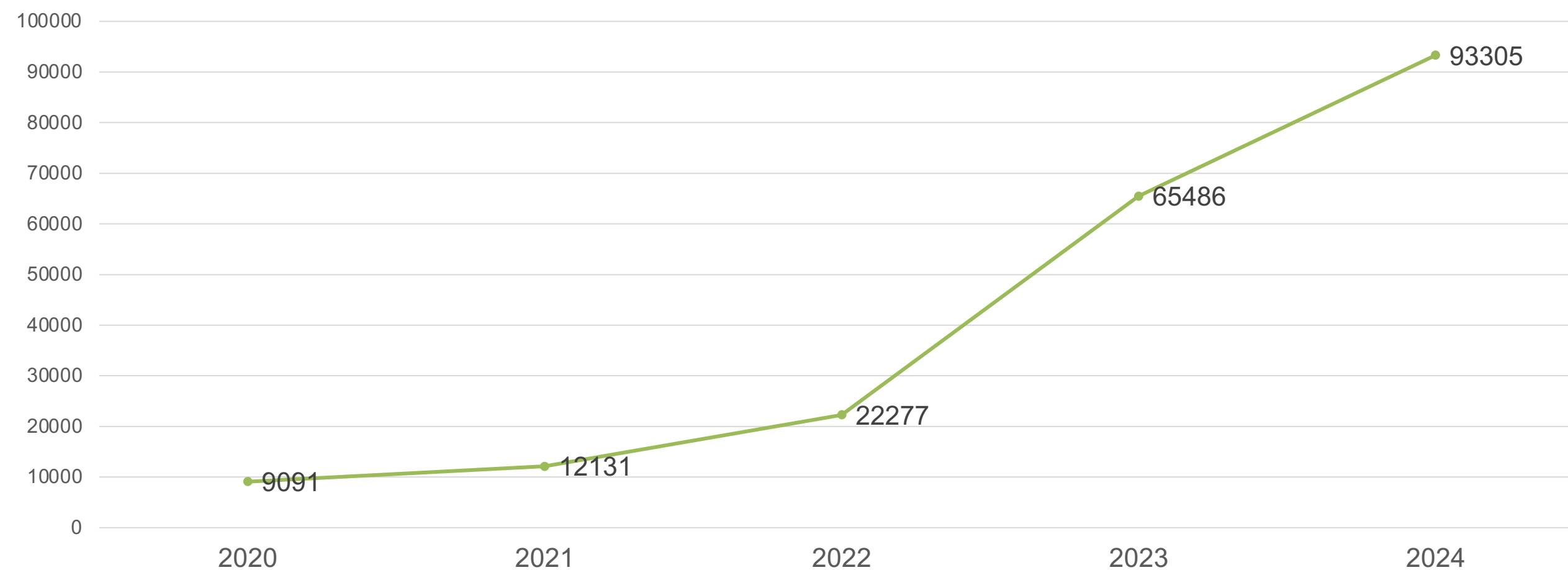
➤ Cyber Threat Landscape Indonesia

- **Phishing Attacks:** Indonesia faced 4,046 phishing incidents targeting the information services sector in 2023. Phishing remains a prevalent method for stealing sensitive data.
- **Ransomware:** There has been a sharp increase in ransomware attacks, with 130 unique incidents recorded. These attacks disrupt operations, particularly targeting financial institutions and critical infrastructure.
- **Online Gambling Transactions:** Online gambling has become a significant concern, with total transactions reaching around Rp 200 trillion in 2023. The easy access to online gambling platforms has caused serious financial problems for many people, especially with the misuse of online loans (pinjol) to finance gambling habits.



Cyber Threat Incidents in Indonesia 2023

> Why Are Cyber Threats Important to Understand?



202,290

Reported URLs

9,014

Reported Domains

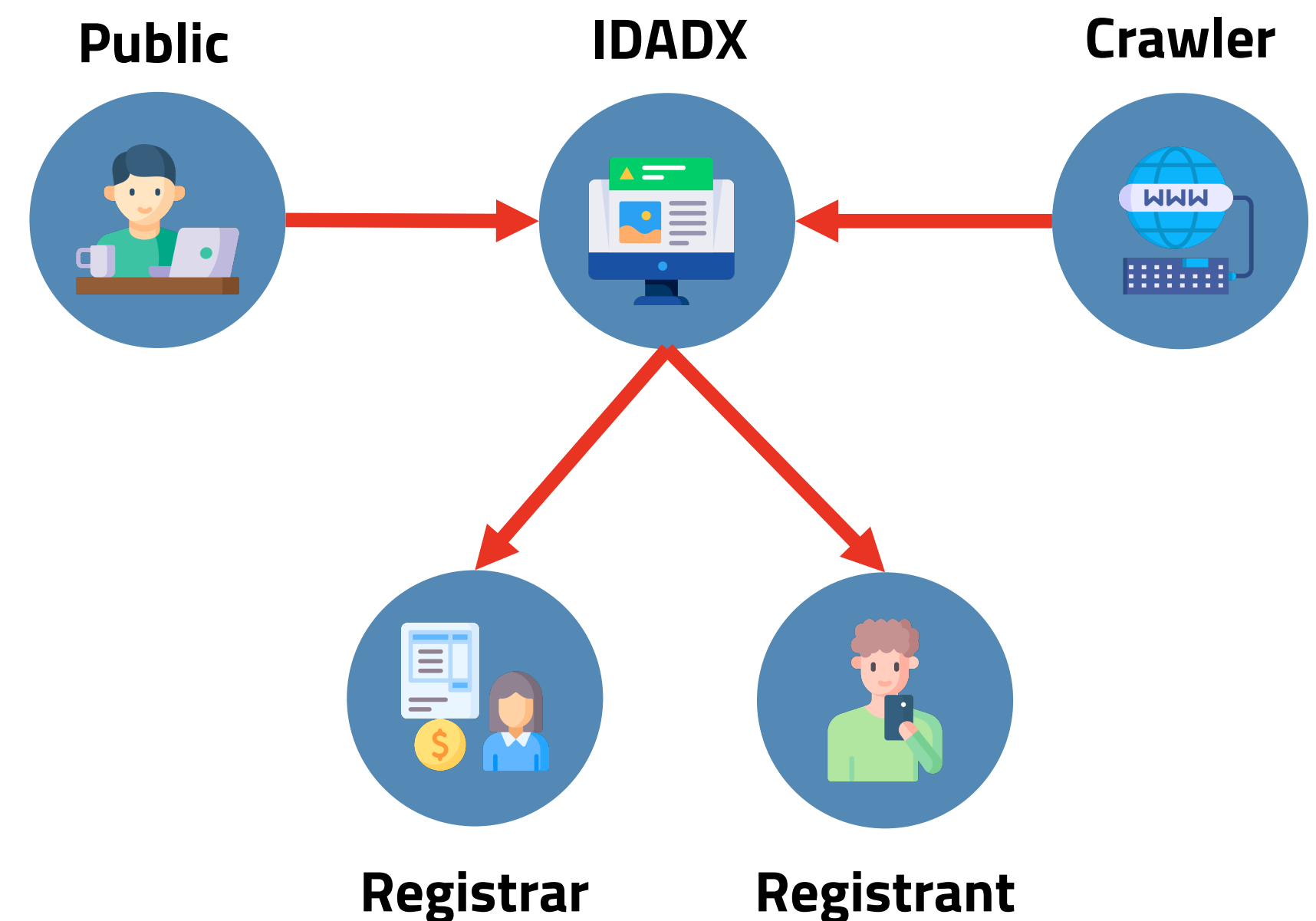
Cyber Threats .id Reported Domain in IDADX

>> What is IDADX?

- **IDADX: Indonesia Domain Abuse Data eXchange** – a collaborative platform developed to reduce various cyber threats targeting domain names.
- **Cybersecurity Solution:** IDADX focuses on addressing domain abuse, such as phishing, malware, spam, botnets, fraud, online gambling, and pornography.
- **Global Collaboration:** IDADX brings together stakeholders, including registrars, security companies, government agencies, and law enforcement, to develop strategies and share information to combat domain abuse and online crimes.

>> Key Features of IDADX

- **Threat Reporting from the Public:** IDADX collects cyber threat reports from the public, making citizens an active part of the solution.
- **Crawling Technology:** IDADX also uses crawling technology to automatically detect cyber threats such as phishing and domain abuse.
- **Fast Escalation:** Detected threats are escalated immediately to be handled quickly and effectively.



>> Types of Threats Handled by IDADX

- **Phishing:** Targeting users with fake emails or websites to steal sensitive information.
- **Abuse:** Using domain names for illegal activities, such as malware distribution and spam.
- **Fraud:** Fake websites designed to trick users into providing money or personal data.
- **Online Gambling:** IDADX also monitors and addresses illegal online gambling sites using Indonesian domain names.



➤ IDADX Data Sources and Global Collaboration

- **Reports from the Public:** IDADX receives cyber threat reports from the public and its members.
- **Crawling Technology:** The platform uses crawling technology to automatically detect cyber threats.
- **Collaboration with Global Cybersecurity Services:** Partners include:
 - **Spamhaus:** Handling spam and malware.
 - **OpenPhish:** Identifying phishing URLs.
 - **Netcraft:** Monitoring websites for malicious content.
 - **APWG:** Fighting global phishing and identity theft.
 - **PhishLabs, NetBeacon, and MalwarePatrol:** Providing cyber threat data to help verify and respond to reports.



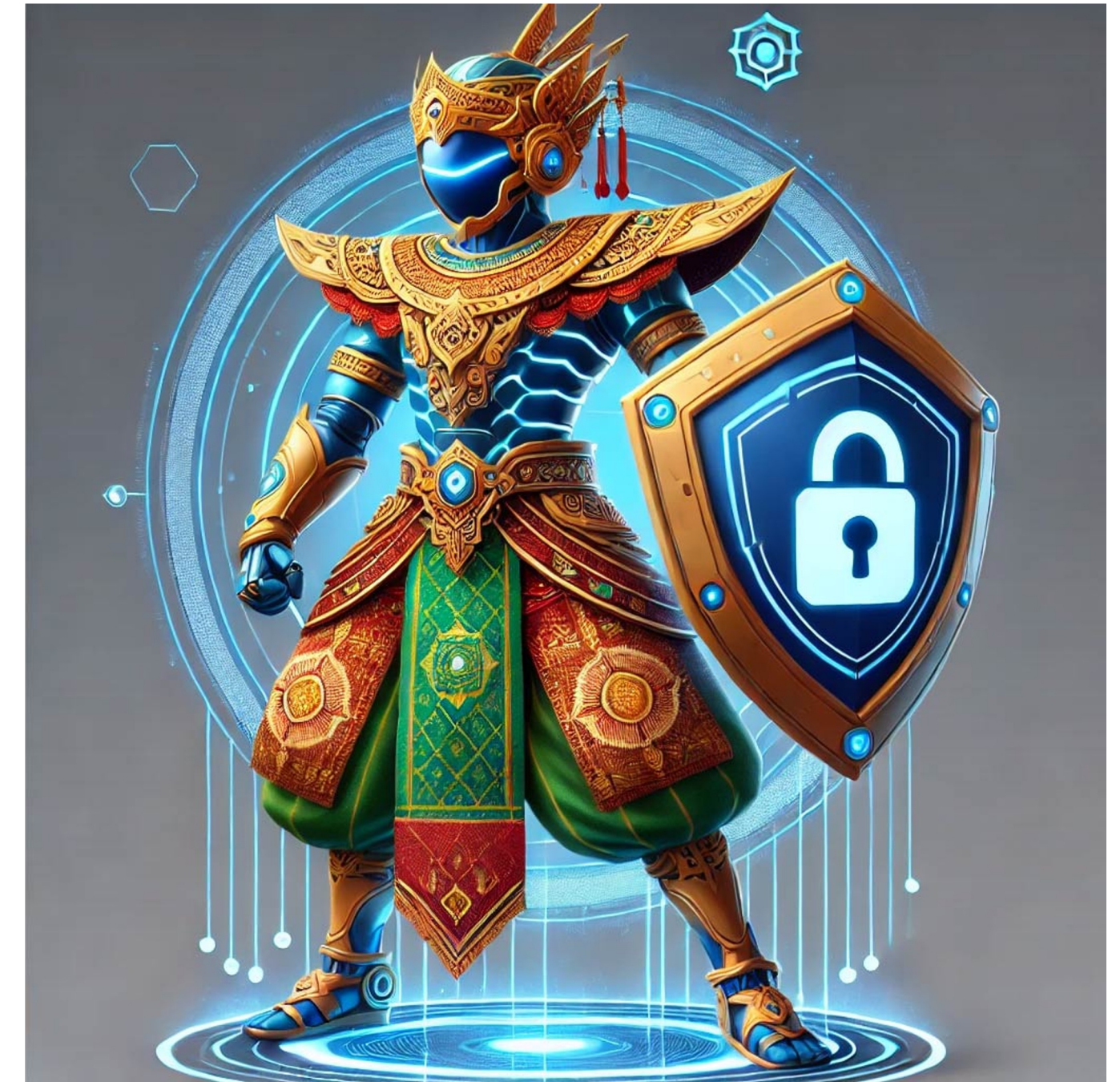
>> Benefits of IDADX for .id Domain Users

- **Data Security:** IDADX helps ensure that .id domain names are safer from cyber threats, protecting users' data.
- **Public Trust:** With IDADX, the Indonesian public can trust that the .id domain is a safe and reliable choice.
- **Public Contribution:** IDADX allows the public to contribute directly to security by reporting threats, helping maintain a safer internet in Indonesia.



➤ The Future of IDADX

- **AI and Blockchain:** PANDI plans to integrate AI and blockchain technology into IDADX to monitor cyber threats more effectively and ensure transparency in data handling.
- **Expanding Collaboration:** IDADX will continue to expand its partnerships with more global security organizations to strengthen cybersecurity efforts in Indonesia.



>> Conclusion

- **IDADX as a Cybersecurity Solution:** IDADX helps reduce the ever-evolving cyber threats in Indonesia.
- **.id Domain - Safe and Trusted:** With advanced technology and global collaboration, the .id domain offers reliable security for Indonesian internet users.



.id Domain: Safe from Cyber Threats



.id

Thanks

E: fauzi@pandi.id

P: +62877 7198 6873

W: pandi.id