

# BERNHART FARRAS SUKANDAR, S.KOM., B.ENG., MPA.

PROFESSIONAL MULTIDISCIPLINARY EDUCATOR

## ACADEMIC

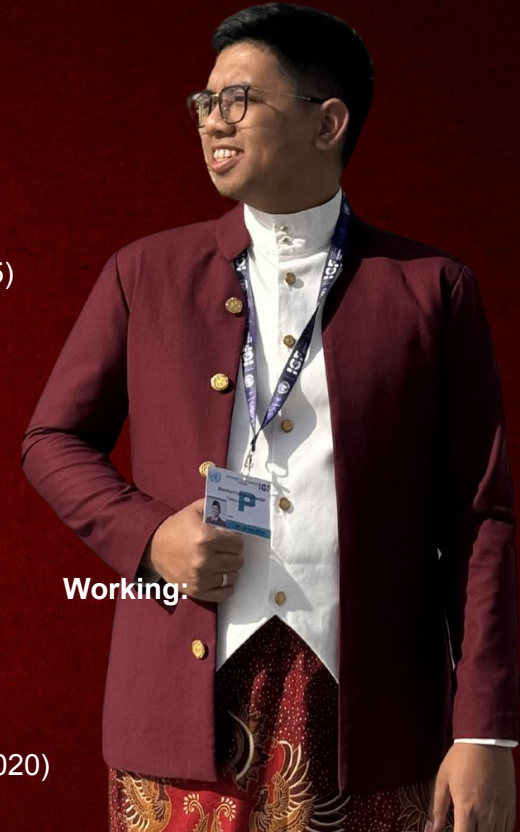
- Master degree in Public Administration from 清华大学 Tsinghua University, CN (2025)
- Dual bachelor's degree in IT Engineering and Project Management, ID & DE (2020)
- Social Entrepreneurship and Economic Development YSEALI AFP, US (2022)
- Internet of Things, Digital Talent Kominfo, Universitas Indonesia (2019)
- XL Future Leaders, Global Leadership Program (2016)

## PERSONAL BACKGROUND

- **Family:** Middle Income Family
- **Born:** Bandung, Indonesia (Sundanese)
- **Living, Studying, and Working:** Multiple Cities in Indonesia, Australia, Germany, the United States, and China

## ICANN RELATED PROFESSIONAL BACKGROUND

- Founded HartLogic.com (HaLo HartLogic) and Operated as Domain Reseller (2012)
- Formally engaged in .id registry: public policy, government relations, and controls (2020)
- Presenter .id CCNSO Pre-ICANN70 ccTLD News Sessions Meeting (2021)



[WWW.BERN.ID](http://WWW.BERN.ID)

INDONESIA

SUNDANESE

EDUCATOR

ENTREPRENEUR

PROFESSIONAL

HUSBAND & FATHER

# DOMAINS FOR WHOM?

CHILD PROTECTION,  
SYSTEMIC INJUSTICE, AND  
DIGITAL SOVEREIGNTY IN THE DNS

**BERNHART FARRAS SUKANDAR,  
S.KOM., B.ENG., MPA.**

SUNDANESE INDONESIAN  
清华大学 TSINGHUA UNIVERSITY, CHINA  
FOUNDER AND PRESIDENT HaLo HARTLOGIC

[www.bern.id](http://www.bern.id)

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# DNS is the internet's foundation

whoever controls it, controls access, safety, and power.

ICANN holds rare and powerful influence over global internet governance. That influence, used with intention, can protect children from digital harm, dismantle systemic injustice in how the internet is governed, and balance digital sovereignty.

HUMAN SHOULD BE THE HEART OF DNS INFRASTRUCTURE LOGIC  
HUMAN USE DOMAIN FOR SIMPLICITY AND TRUST. IT IS DNS MOST VALUABLE ASSET.  
HUMAN DECISIONS DETERMINE WHO DNS PROTECTS AND WHO IT LEAVES BEHIND.



**CHILD  
PROTECTION**

(My Project Through  
HaLo Foundation)



**SYSTEMIC  
INJUSTICE**

(Current Research and  
PhD Dissertation)



**DIGITAL  
SOVEREIGNTY**

(Master Degree Thesis:  
Digital Sovereignty Framework:  
Global Comparative Analysis  
and Implications for Indonesia)

# CHILD PROTECTION

The challenges:

- **Online scams target millions daily, and children are the most vulnerable.**  
32 million+ CyberTipline reports in 2022 alone (NCMEC)
- **Child sexual abuse material (CSAM) is increasing every year, accelerated by AI-generated content.**  
44% more CSAM blocked in 2025 vs prior year, driven by AI (DNSFilter)
- **Harmful platforms operate freely across registries with no unified accountability.**  
\$1.026 trillion lost globally to cybercrime in 2022 (McAfee)

# CHILD PROTECTION

The challenges:

- **Literacy;** Teach children and parents to recognize threats before they click. Prevention starts before the DNS.
- **Parental Oversight;** Filtering tools and family-level DNS controls give parents the power to act, but only if the infrastructure supports them.
- **Global DNS Baseline;** A shared blocking standard across all registries closes that gap, everywhere, for everyone.



# SYSTEMIC INJUSTICE

The challenges:

## **Benefits**

DNS revenue and power flow to the few who already have access, knowledge, and capital. Farmers, students, and small businesses build the internet. They do not own it.

## **Representation**

Who is missing? Which communities have no voice here? A policy shaped by few will serve few. I believe every single person matters in the DNS ecosystem.

## **Digital Literacy**

Millions use the internet daily without knowing they are building someone else's wealth while sitting on untapped value of their own.

# SYSTEMIC INJUSTICE

The proposed actions:

## **Digital Literacy**

Plain-language DNS education campaigns in local languages, delivered through schools, community centers, and local government channels.

## **Representation**

Mentorship pipelines that connect newcomers directly to existing community members from their region or language group.

## **Benefits**

Community-based domain programs that reduce cost barriers for small businesses, civil society, and individuals in low-income regions.



# DIGITAL SOVEREIGNTY

The challenges:

## 1. Fragmented Definition

Multiple interpretations and standardised definition.

Mostly think Digital Sovereignty is only a State-Centric Approach.

Three models: State-Centric, Multistakeholder (Balanced), & Self-Sovereign. (Bern Research)

## 2. Framework Not Found

Nations claim digitally sovereign but NONE have the tools to measure.

## 3. No Comparative Digital Index (DSI)

You cannot govern what you cannot measure.

- Google, Cloudflare, and Quad9 resolve the majority of global DNS queries (IEEE, 2024)
- 46% of Southeast Asia's DNS traffic resolves outside the region (APNIC)
- 30+ countries have data sovereignty laws. Fewer than 10 have infrastructure to support them (Freedom House)
- Indonesia's national DNS covers less than 15% of domestic traffic (PANDI / APJII)

# DIGITAL SOVEREIGNTY

The proposed actions:

**1. Definition:** "Digital sovereignty is an entity or individual's capacity to control its digital infrastructure, data, and technology."

(Bernhart Farras Sukandar, 2024)

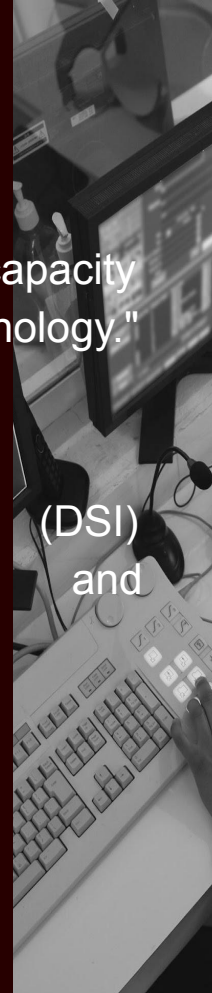
The latest definition will be published on paper soon.

**2. Framework:** For the first time, The Digital Sovereignty Index (DSI) measurement framework already published through my thesis and

soon will be published on paper.

### 3. Digital Sovereignty Index (DSI)

Based on my proposed Framework, Indonesia DSI scores slightly below medium.



**I PROFESS POSITIVE IMPACT-DRIVEN  
COLLABORATION ACROSS TECHNICAL, GOVERNANCE,  
AND END-USER PERSPECTIVES  
TO ADVANCE JUSTICE-ORIENTED POLICY,  
STRENGTHEN CHILD PROTECTION, AND  
BALANCE DIGITAL SOVEREIGNTY.**

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**BERNHART FARRAS SUKANDAR, S.KOM., B.ENG., MPA.**

**VOICING THE YOUTH AGE. I CALL ON EVERY SINGLE ONE OF YOU TO *URUNDAYA*.  
MEANING: RISE, COLLABORATE, AND BENEFITS FROM WHAT WE ALL DESERVE.**

(I initiated Urundaya.com, where “Urundaya” means gotong-royong,  
the Indonesian philosophy of mutual cooperation.)

