

Digital Transformation for the Post-Pandemic City: The Future Smart City Vision

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OPPORTUNITIES



Health Crisis



Economic crisis



Digital-life breakthrough



Greener environment

The Enhanced Values...

The value on LIVES

every lives matter

Understanding citizen needs, solving the problems, seizing the opportunities, and put the values on...

The value on LIVELIHOOD

everyone deserves decent livelihood



THE FUTURE SMART CITY VISION

A city with high quality health standard, proper sanitation, clean, and crowd level is controlled that allow people to do necessary distancing



A city where the vulnerable groups are protected, housing are affordable, and basic services could sustain through the crisis



A city where digital infrastructures are advanced and substantial daily urban activities could be done digitally, creating efficient and optimum living



A city with high environmental quality and decent standard of living for every citizens

Source: Jakarta City Vision

What is smart city?

Innovative City and Happiness

Governor's Vision and Mission

Maju Kotanya, Bahagia Warganya

Collaboration as Jakarta's Main Development Approach



Develop through Collaboration.

Government

DKI Jakarta Provincial Government



Government

Central Government



Government

DKI Jakarta Provincial Government



Citizen

Private Sector, MDB, SMEs, Civitas Academia. Community, Association, NGO, Media, International Org., others



Citizen

Private Sector, MDB, SMEs, Civitas Academia, Community, Association, NGO, Media, International Org., others



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Government as Collaborator - Citizen as Co-Creator.

Smart City 4.0 Ecosystem Platform

Collabolator

Government

Co-Creators

Citizen

Academia

Media

Industry/Business/Investor

Other Governments

Vision and Mission JAKARTA CITY 4.0

Technologies, Innovations and Collaborations

Cloud

Big Data

Al

IoT

Blockchain







Medical Services



Parking space



Flood



Waste Management and Recycling



Air Pollution



School education



Local government service



Public Transport



Drink Water



Unemployment



Green spaces

City's Problems

Citizen's Needs

Innovative City

Happy Citizens

An Innovation Ecosystem of the Future Smart City Vision







"Adaptive economy and experiential industries"













"Agile and data-driven government"

A Driving Factor for Digital Transformation

Problem Statement







Pandemic Covid-19 Situation



Scattered & Unstandardized Data



Siloed Systems



Unintegrated Services



Inefficiencies



Costly

Population: 11 million

Urban Challenges (









Decrease the quality of public services

Innovation





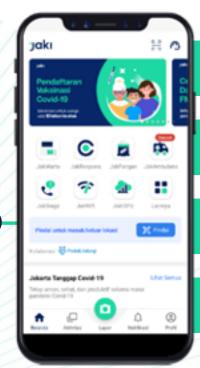


The Open API Policy

- -Standardized the data
- Integrates the data to one system
- Develop and provide public API services



- Penta-helix collaboration (Government, University, Private Sector, Citizens, and Media)
- Collaboration in service development



Government Platform

One stop **Services**

Citizen-designed **Services**

Digital ID



Service Integration

- Integrates all the innovation into JAKI Super-
- App Creating one-stop shop for all services

Personalised Services from Birth to Dead





NIK



Data Kependudukan Pelayanan



Data Kesehatan



Data Kelahiran Bayi



Data **Ibu Hamil**



Data

Golongan

Darah

Data **Anak Balita**



Data **Anak Sekolah**



Data Remaja Dewasa



Data **Dewasa**



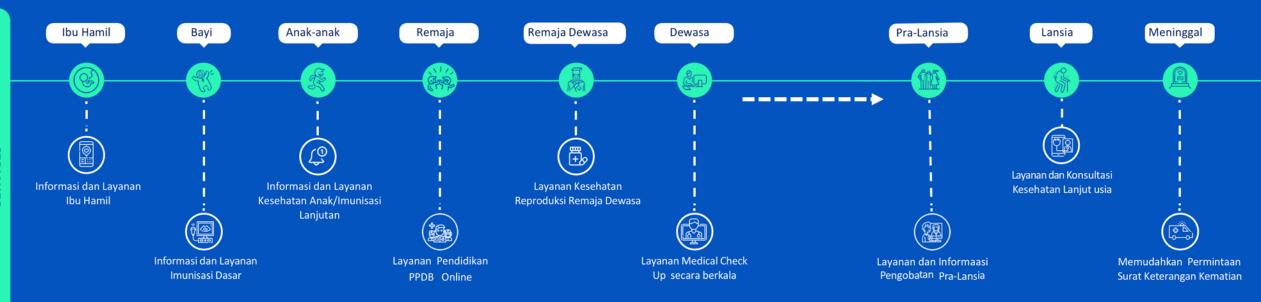
Data Pra-lansia



Data Lansia



Data Meninggal

















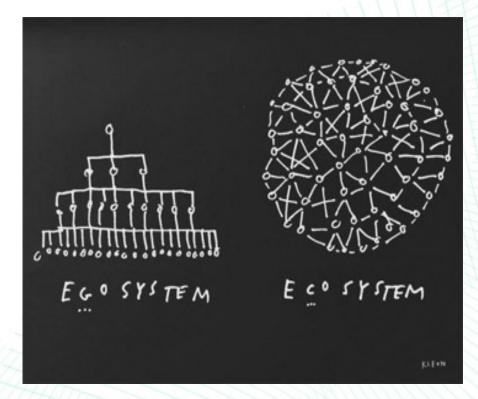












"Our society must move from **ego-system to eco-system economics**. This requires that we shift from ego-system silos to eco-system awareness that considers others and includes the whole."

- Otto Scharmer

jakı

Thank You

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Profile Jakarta Smart City

jaki



















8 Orang 1 Orang



S2









172 Orang 35 Orang

S3

S1

4 Orang

Jakarta Smart City merupakan Badan Layanan Umum Daerah Pertama di Indonesia yang fokus pada pengembangan ekosistem kota cerdas di Indonesia sesuai Keputusan Gubernur No 17 Tahun 2020

JAKI Won National Competition (Public Sector) Gold Medal – Indonesia Entrepreneur TIK 2020





JAKI Won International Competition (E-Government) Champion Projects WSIS Prizes 2021



Champion Projects

WSIS Prizes 2021

AL C7. E-government

Category 7 — AL C7. ICT applications: benefits in all aspects of life — E-government (5 Projects)

"Citizens' Electronic Appeals" system

The project has been implemented in Shamakhi region of the Republic of Azerbaijan. The population of Shamakhi region is about 10% of the country's population. The e-appeals system provides citizens living in the area with online applications, complaints,... more »

Citizen's Account

Citizen's Account (CA) is a national program that envisioned to encompass all government benefits and subsidies. CA program was built with a vision in mind to be the unified platform for government subsidy programs that would ensure that citizens are awa... more »

COVID-19 vaccination Information System

This project supported the establishment of a state-of-the-art system for application, scheduling and tracking of vaccines and the immunization of the population of Serbia. This web-based IT system is designed to ensure optimal coordination in allocation... more »

Jakarta Kini

The JAKI platform plays an important role in the realization of a one-stop service for the Jakarta Provincial Government. The JAKI platform is able to integrate various services belonging to the Regional Government, Central Government, and Business Actor... more »

NATIONAL REGISTRATION AND IDENTIFICATION SYSTEM (NRIS) OF MALAWI

Project Goal: To ensure a permanent and continuous national registration and identification system is established in Malawi Project output: Design, establish and manage the necessary systems, infrastructure and equipment for the National Registration and... more »









SELAMAT KEPADA PEMPROV DKI JAKARTA

atas penghargaan Provinsi Terinovatif

dalam ajang Innovative Government Award 2020, yang dinilai berdasarkan pengembangan berbagai inovasi di Jakarta, salah satunya adalah platfom JAKI sebagai superApp Jakarta untuk memenuhi kebutuhan warga Jakarta khususnya saat Pendemi Covid-19 saat ini.

untuk kemajuan Jakarta!





Yudhistira Nugraha is a senior member of the Indonesian Government, currently assigned as Director of Jakarta Smart City — Department of Communications, Informatics, and Statistics, the Provincial Government of Jakarta. He has been a civil servant since 2006 and had been working for more than 13 years at the Ministry of Communications and Informatics. His last assignment at the Ministry was the Deputy Director for E-Government Services in Economic Affairs.

He received a D.Phil. in Cyber Security from the University of Oxford. He also holds a Data Protection Officer Professional University Certificate (ECPC-B DPO) from the European Centre of Privacy and Cybersecurity (ECPC) of Maastricht University, the Netherlands. He also undertakes research and teaching in the area of information security, privacy, and smart city at Telkom University.





Yudhistira Nugraha
Kepala BLUD Jakarta Smart City
Top 10 PNS Inspiratif 2020 – Kementerian PANRB





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Riwayat Jabatan:

- Kepala Jakarta Smart City, September 2019 Sekarang, Dinas Kominfotik, Pemda DKI Jakarta
- Kepala Sub Direktorat Layanan Aplikasi Informatika Perekonomian, Juni 2019 September 2019, Ditjen Aptika, KOMINFO
- Kepala Seksi Pengendalian Sistem Elektronik dan Ekonomi Digital, September 2018 Juni 2019, Ditjen Aptika, KOMINFO
- Plt Kepala Seksi Kelembagaan Keamanan Informasi, Feb 2018 Agustus 2018, Ditjen Aptika, KOMINFO
- Kepala Seksi Manajemen Risiko, 2011 2013, Direktorat Keamanan Informasi, Ditjen Aptika, KOMINFO
- Kepala Sub Bagian Kerjasama, 2010 2011, Badan Litbang SDM, KOMINFO
- Staf Khusus Kepala Badan Litbang SDM, 2009 2010, Badan Litbang SDM, KOMINFO
- Anggota Tim Staf Khusus Menkominfo, 2006 2007, DEPKOMINFO

Riwayat Profesional:

- Dosen Professional Part-Time Telkom University Fakultas Informatika, Juli 2019 Sekarang
- Co-Founder, Indonesia Blockchain Society (IBS)
- Co-Founder, Indonesia Digital Institute (INDiS)

Riwayat Pendidikan:

- Doctor of Philosophy (D.Phil) in Cyber Security, University of Oxford, UK, Michaelmas 2013 Michaelmas 2017
- Master of ICT Advanced (Distinction), University of Wollongong, Australia, February 2008 July 2009,
- B.Eng (Excellent), Telecommunication Engineering, Telkom University, Bandung Indonesia, 1999 2003.

Sertifikasi:

- Certified ECPC-B DPO by the European Centre of Privacy and Cybersecurity (ECPC) of Maastricht University, 2019
- Certified ECPC- A (Privacy Fundamental), Maastricht University, 2019
- Certified Data Protection Officer, Singapore Management University, 2019
- Certified Ethical Hacker, September 2012,
- Certified Lead Auditor ISO/IEC 27001, November 2011.

