

Group C - Asiana

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Badan Ekonomi Kreatif
Direktorat Standardisasi
Direktorat Penataan
Direktorat Telekomunikasi, Ditjen PPI
Direktorat Telekomunikasi, Ditjen PPI
IDSIRTII
PT. Telkomsel Tbk.
PT. XL Axiata Tbk.
PT. Hariff DTE
PT. Miota Internasional
PT. Telkom



ISSUES IN ASIANIA

- ▶ *Poor infrastructure in northern area (page 2) -> uneven infrastructure development*
- ▶ *Big IT companies are harnessing the low salary high quality technical and financial experts (page 3) -> low price for human resource*
- ▶ *Previous government lack of focus on primary industries and decline share of agriculture and manufacture in GDP composition (page 3) -> lack of focus in primary industry*
- ▶ *Cities in Asia have faced with increasing pollution (page 4) -> bad environment condition*
- ▶ *Most of the data is computerized but they are only for last 2 years (page 5) -> bad data management*
- ▶ *The industry has been very cautious in sharing its own data with concerns of the data being misused (page 6) -> open data (IT company) vs data protection (Industry)*

GOALS

(in terms of IoT & Digital Society)

1. Nation-wide Digital Infrastructure
2. Boosting All Economic Sector
3. Improving Environmental Conditions Using ICT
4. Create Knowledge-Based Economy and Information Technology Society

RECOMMENDATION TO GOVERNMENT TO ACCOMPLISH DIGITAL SOCIETY 2030

- ▶ Collaborate with all stakeholders (Industry, IT Company, and MNO) to determine responsible entities for the following tasks:
 - ▶ Build one integrated IoT network
 - ▶ Build smart facility system
 - ▶ Build platform to help industry automation
 - ▶ Build one place to collect data
 - ▶ Build data analytic platform to be used for public and private sectors
 - ▶ Build 4G LTE mobile network in rural area
- ▶ Create policies for the following issues:
 - ▶ IoT spectrum license
 - ▶ Data security
 - ▶ Data protection agreement
 - ▶ Employee salary related to national economic development

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EXPECTED OUTCOMES

- 1. North area people have the same quality experience in using internet with people south area
- 2. Primary industry production is optimized and contribute majority to national GDP
- 3. Balance between salary human resource and responsibility
- 4. Action to environment condition is undertaken properly based on realtime condition
- 5. Fast response on bad condition environment
- 6. IT companies help Industries support automation industry to optimize quality production
- 7. Government create regulation properly based on real time condition
- 8. Society is using smart facilities securely

ICT SOLUTION (UNTIL 2021)

- 1. Government push MNO to build 4G LTE network outside South Area, especially in North Area.
- 2. Government build a smart traffic and smart environment system integrated with public protection agencies
- 3. IT companies provide IoT platform for industry (e.g. e-commerce app and production platform based on market condition and demand)
- 4. Government create policy of people salary based on its responsibility in I-T Park Incubation Center
- 5. Telecom company build integrated IoT network and Big Data platform to manage stored and shared data for nationwide
- 6. IT has access to Big Data and provide Big Data Analytic to follow up society recent condition, but with applying data security policies and data protection
- 7. Government create encryption protocol policies

TIMELINE

Stakeholder	Agenda	Year			
		2018	2019	2020	2021
MNO	Build 4G LTE Network in South Area				
Gov	Build smart environment system				
IT comp	Create platform for primary industry				
Gov	Salary policy				
MNO	Build IoT network				
MNO	Build Big Data platform				
IT comp	Build Big Data Analytic platform				
Gov	Publish data protection and security policies				
Gov	5G Pilot project				
Gov	IoT spectrum policy (licensed & unlicensed)				

ALIA