



The poster features a blue and yellow geometric pattern in the top left corner. At the top, it displays the logos for 'INSTITUTE FOR POLICY DEVELOPMENT' (Department of Management and Public Policy, Universitas Gadjah Mada) and 'NALAR INSTITUTE'. The main title is 'PUBLIC LECTURE FORESIGHT FOR AND AS POLICY : SHAPING THE FUTURE THROUGH SYNERGISTIC APPROACH'. Below the title, there are two sections: 'Opening Speech' and 'SPEAKERS'. The 'Opening Speech' section features a portrait of Wahyudi Kumorotomo, Head of Public Policy and Management Department at Gadjah Mada University. The 'SPEAKERS' section features portraits of Joe Ravetz, Co-Director of the Collaboratory for Urban Resilience & Energy at Manchester Urban Institute, and Yanuar Nugroho, Honorary Fellow at University of Manchester and ISEAS-Yusof Ishak Institute.

INSTITUTE FOR POLICY DEVELOPMENT
DEPARTMENT OF MANAGEMENT AND PUBLIC POLICY
UNIVERSITAS GADJAH MADA

NALAR INSTITUTE

PUBLIC LECTURE
FORESIGHT FOR AND AS POLICY :
SHAPING THE FUTURE THROUGH
SYNERGISTIC APPROACH

Opening Speech

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SPEAKERS

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An experimental demonstration for interactive education in foresight and the *'collective futures intelligence'*

WORKSHOP REPORT

Gadjah Mada University / Nalar Institute:

Yogyakarta, 7th August 2023

Version 1 JR

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1) INTRODUCTION

This session was proposed as a demonstration of interactive education / policy innovation. We aimed to not only present the Foresight 3.0 principles and methods, and their application to key areas of public policy. We aimed also to launch an experimental session with hands-one participation in putting them into practice.

The result was a visionary demonstration of the *'creative collective intelligence'*. With active participation from 180 undergrad / post-grad students at the School of Public Policy at GMU, in a full morning session, with numerous flipcharts and an online platform – we sketched a collective vision of the future for Indonesia.

Participants were asked to select one of 12 themes to work on. With around 10-15 persons in each theme, following 2 main blocks of 'lecture content', we worked collectively on some very practical questions for each theme;

- *What are the 'Top 3 challenges' – the current situation in your theme?*
- *How are things changing – the 'Top 3 changes' expected by 2050?*
- *What is the potential – the 'Top 3 opportunities' coming up y 2050??*
- *How to achieve them – the 'Top 3 priorities' for action, now / soon / later??*

Such questions are the starting point of the general approach of foresight, with established methods and tools for any kind of longer range strategic thinking . Building on this, the **Foresight 3.0** method aims to extend this, to enhance the *'collective foresight intelligence'*, firstly for the participants, and then for the wider community / society.

This short report includes:

- Summary of the results for each theme on the online platform, (including images of the posters where available: and translation from Bahasa via Google where needed).
- Outline notes on next steps and opportunities to take this forward.

Further background and sources are on www.manchester.ac.uk/synergistics/future-wise-foresight-indonesia/

2) OUTLINE OF PROGRAM

INTRODUCTIONS

- Prof. Wahyudi Kumorotomo, Head of Public Policy & Management Dept, Universitas Gadjah Mada
- Dr Yanuar Nugroho, ISEAS Yusof-Ishak Institute, Singapore: Nalar Institute, Yogyakarta
- Joe Ravetz, Future Cities Lead, Manchester Urban Institute, University of Manchester

PART 1: 'POLICY 3.0' (Joe Ravetz)

- a) New policy landscapes
- b) Local place-making
- c) Public services
- d) 'Collective governance intelligence'

INTERACTIVE 1: (thematic groups)

- Top 3 challenges?
- Top 3 changes by 2050?
- (BREAK)

PART 2: 'FORESIGHT 3.0' (Joe Ravetz)

- a) Foresight methods & tools
- b) 'Collective foresight intelligence'
- c) Smart-wise policy
- d) Transforming policy

INTERACTIVE 2: (thematic groups)

- Top 3 opportunities??
- Top 3 priorities for action??

REVIEW & DISCUSSION (plenary)

3) IMPLICATIONS & NEXT STEPS

Such demonstrations of interactive education / foresight have taken place over many years, under many different names. Now it seems there are some new and fundamental insights, to help navigate the challenges and find viable pathways to the future.

On the education front:

- The sudden disruption of education by AI puts more focus on the human side: i.e. the creative, intuitive, collaborative, strategic side of the human intelligence;
- Teaching / learning approaches (in many cases not all), are more likely to be dynamic, interactive, participative, collaborative, engaged, problem focused;
-

On the foresight agenda:

- The mapping of future challenges and opportunities shown here, by 180 young people, is a powerful signpost and resource for further development.
- Foresight / strategic thinking / policy development is now emerging as much more than a technical expert-driven process; in contrast we can explore many possibilities (see the special issue on www.manchester.ac.uk/synergistics/foresight-3-0-theme/)
- 'Foresight as community of interest'
- 'Foresight as decolonization and empowerment'
- 'Foresight as political transformation'

On the collective intelligence agenda:

- This experiment with 180 young people for 3 hours is only the beginning of a much longer story...
- One approach is via informatics / AI, and the emerging agenda of CHAI ('collective human-artificial intelligence')
- Another approach is more about the human process and the methods of deliberation, creative thinking, collaborative innovation and co-production.
- The need is ever more urgent, and the possibilities ever more powerful...

Overall this experimental demonstration for interactive teaching has shown that such models are practical and effective. In one short session it has generated a unique body of material from young people who will be shaping their future. The Foresight 3.0 program will continue to explore the opportunities which follow.

WORKSHOP RESULTS

4) Platform introduction

(Text from the online platform at <https://bit.ly/3Yv3AoQ>)

“Good morning everybody and welcome to our online comment platform.

We need your best ideas and questions...

If you would like to join the mailing list please leave your name & email

Everyone is in full ‘edit’ mode on this shared document, so please be careful with the comments of others. You can find free space at the end of the document.

Q1 - IS THIS GOOGLE-DOC THE BEST ONLINE PLATFORM FOR COLLABORATIVE THINKING??

A1 - there are many possibilities ... we use Mural or Miro for online workshops: Mentimeter for polls: Kumu / Insight Maker for systems mapping & modelling. This basic googledoc seems the most easy and simple to get started, also easy to do from a phone without any preparation (but for China we need an alternative platform).

Q2 - WHAT IS A GOOD SOURCE TEXT FOR FORESIGHT ??

Miles, I., Saritas, O. and Sokolov, A. (2016) Foresight for Science, Technology and Innovation, New York, Springer.

Q3 - WHAT IS A GOOD SOURCE TEXT FOR FORESIGHT 3.0??

A3 - [Deeper-City: Collective-Intelligence-and-the-Pathways-from-Smart-to-Wise](https://doi.org/10.4324/9781315765860) - <https://doi.org/10.4324/9781315765860>

extract on Foresight 3.0 is available on - <https://tinyurl.com/3wztx4h5>

extract on the synergistic approach & toolkit on - <https://tinyurl.com/yxsenkiv>

5) Climate change theme

TOP 3 CHALLENGES?

The main challenges of the climate change issue:

- 1) Society behavior, we cannot deny the fact that some people are still naive, ignorant, lack of initiative, however, people who care about climate change also exists but the lack of information and have no idea where to start their own climate journey are one of the problems too, which leads to our second point
- 2) Government, we need leaders who care about climate problems, the inefficient of environmental policy, corruption, etc.
- 3) Capitalism, misjudgement of priority and too money-oriented, also poverty.

TOP 3 CHANGES BY 2050?

- 1. if there's an election, we have to choose the leaders who are aware
- 2. make a mass Campaign to awaken the public awareness through social media
- 3. There has to be a Curriculum that provides information for students about climate change, thus they know on how to start their climate journey

TOP 3 OPPORTUNITIES??

SYNERGIES...

- -Public Transport
- -Area of Industry
- -Environment system with 3 policies (water, air, trash)

TOP 3 PRIORITIES FOR ACTION??

- changes in lifestyle "environment friendly lifestyle"
- changing country's budgeting
- government needs to cooperate with influential people in order to promote

6) ENERGY / WATER / FOOD

TOP 3 CHALLENGES?

- Scarcity
- Lack of governance
- Non renewable resources

TOP 3 CHANGES BY 2050?

- Transition in everything
- Disperse the population
- Fix the bureaucracy

TOP 3 OPPORTUNITIES??

- Abundance of green energy
- New ways to new resources
- Collaboration within society

TOP 3 PRIORITIES FOR ACTION??

- Empower the people
- Invest in technology and education
- Enforce wise governance

7) SOCIAL & DEMOGRAPHIC CHANGE

TOP 3 CHALLENGES?

- Economic Growth
- Land Availability
- Quality of Human Resource

TOP 3 CHANGES BY 2050?

- Availability in work sectors
- Growth population in some countries
- More urban areas

TOP 3 OPPORTUNITIES??

- Technology and AI
- Labor Market
- Nature Resources & Tourism

TOP 3 PRIORITIES FOR ACTION??

- Digitalization Micro Economic Market (UMKM)
- Spatial Management
- Improve quality of education/ Human Resource Development

DEMOGRAPHIC CHANGE

CHALLENGE

A. ECONOMIC GROWTH

B. LAND AVAILABILITY

C. QUALITY OF HUMAN RESOURCE

1. ...

2. ...

3. ...

4. ...

5. ...

6. ...

7. ...

8. ...

9. ...

10. ...

11. ...

12. ...

CHANGES IN 2050

1. Availability in work sectors
2. Growth population in some countries
3. More urban areas

Opportunities

1. Technology & AI
2. Pembukaan pasar tenaga kerja / labor market
3. Nature resources & tourism

Action Priorities

1. Digitalization UKM (collaborative governance bottom-up)
2. ~~Management~~ Spatial management
3. Improving the quality of education

8) CULTURE & CREATIVE INDUSTRY

•TOP 3 CHALLENGES?

Permodalan, Prospek, Westernisasi/Pencampuran Budaya

- Capital,
- Prospects,
- Westernization/Culture Mixing

•TOP 3 CHANGES BY 2050?

Perkembangan teknologi, Exposure media, Asimilasi (lunturnya budaya), Global exposure

- Technological developments,
- media exposure,
- assimilation (fading of culture), global exposure

•TOP 3 OPPORTUNITIES??

UU Tentang perlindungan artis (pelaku seni), regulasi hak cipta, dan keterjaminan artis (pelaku seni), melestarikan lagu lagu tradisional

- Law concerning the protection of artists (artists),
- copyright regulations, and
- guarantees for artists (artists), preserving traditional songs

•TOP 3 PRIORITIES FOR ACTION??

Melestarikan budaya dan jati diri bangsa, Regulasi keterjaminan pelaku seni, Sosialisasi tentang pelaku seni

- Preserving culture and national identity,
- Regulation of guarantees for artists,
- Socialization about artists

CHALLENGE IN CULTURE AND CREATIVE INDUSTRY

Challenge: Labor (in many cases, especially in the field, there is a need for creative people who can create value for the owner)
Changes: - Changing-kind Funding for artists

Challenge in Culture and Creative Industry
- Faced Problem for Market Growth.

Top 3 Challenge in Culture and Creative Industry
1) The many unempowered people (artists, designers, etc.)
2) The many plagiarists

Challenge: Lack of Cultural Knowledge by the younger generation

Challenge in Culture - The Awareness of Local Communities

Challenge: Culture
- Disruption of culture by digital technology
- Young artists are more interested in digital art than traditional art
- Many artists are leaving the industry

Challenge: Indonesian Culture
- Increasingly being influenced by other country culture

Challenge: but not enough in the western Creative Industry
- Full the power of Indonesian Culture

Top 3 Challenge - Culture
- Lifestyle that is not in accordance with the culture and customary rules in trade

Challenge: Sustainability
- Napakom
- Change: AI

Challenge: Sustainability
- Many purbation artist (Purba seni)
- Restorasi lukisan dan kerajinan seni (Purba seni)
- dan kemudian karya tradisional

Challenge: Pengembangan SDM yang kurang

Challenge: Society is becoming concerned or even more in love

Top 3 challenge
- many of foreign content

Changes 2050

Culture
- The many technological advances that allow the fading of customary habits that are usually carried out

Changes 2050
- Evolves: 2050 will bring the revolution between business

Changes in 2050
- The widespread use of AI in creative industry II.

Changes in 2050
- The progress of the industry will be the result of the progress of the creative industries

Changes in 2050
- Creative Industry Mostly in technology

Changes - New Innovative Growth Factor

Opportunities
- People who work in the creative industry will be in a better position to receive income

Classroom 2050 in Culture and Creative Industry
- Transnational labor market

Changes: AI Collaborative

AI change for the Small People
- The small people will be able to compete with the big people in the market

In the context of Indonesia
- People will be able to work from home and receive income from their own business

9) HEALTH

•TOP 3 CHALLENGES?

- Distribution of health worker in all corners of Indonesia
- Lack of supporting medical device
- Easy access to health services for people who can't afford it

•TOP 3 CHANGES BY 2050?

- Equalizing quality health workers through the corners of Indonesia
- Additional funds for the health fund and distributing medical devices
- Make policies on BPJS rights and services, because BPJS is not the priority

•TOP 3 OPPORTUNITIES??

- With so many natural resources in indonesia, they must utilised for health needs
- BPJS program can be develop
- Developing hospital in indonesia bcs its huge land

•TOP 3 PRIORITIES FOR ACTION??

- Government must support all hospital or healthcare
- Government must increase the fund for hospitality and healthcare
- Government must increases human resources in health care sector

10) EDUCATION

•TOP 3 CHALLENGES?

1. Inclusivities of Education
2. The prosperosity for teacher
3. The teacher's stigma

•TOP 3 CHANGES BY 2050?

4. Produce a high quality teacher
5. Excellent education curriculum
6. Affordable school fees for all groups and facilities for disabilities

•TOP 3 OPPORTUNITIES?

7. Well targeted scholarships and education fund
8. Decent income and high selectivity for teachers
9. Government fund transparency for education sector

•TOP 3 PRIORITIES OF ACTION

10. Additional allocation for education, mainly for education in rural areas
11. Eradicate corruption, collusion, and nepotism in teacher and school selection.

11) SCIENCE/ TECH/ INNOVATION

•TOP 3 CHALLENGES?

- Artificial intelligence and technology disruption
- Population/demographic growth
- Moral (humanity) issues and values
- Environmental impact and climate change

•TOP 3 CHANGES BY 2050?

- Human jobs are replaced by machines massively
- Environmental and energy crisis
- Food crisis

•TOP 3 OPPORTUNITIES??

- Resilience culture, community initiative
- Further Humanistic science, further Humanistic technology
- Inclusive policy

•TOP 3 PRIORITIES FOR ACTION??

- Inclusive education (formal & non-formal)
- Collaborative governance
- Encouraging community based/grassroots innovation

12) ECONOMY & BUSINESS

•TOP 3 CHALLENGES?

- Unemployment
- Income inequality
- Inflation

•TOP 3 CHANGES BY 2050?

- Equal education opportunity
- SME's empowerment
- HR skills and capacity

•TOP 3 OPPORTUNITIES??

- rich natural resources
- nature resource
- internet and gadget access

•TOP 3 PRIORITIES FOR ACTION??

- Improving infrastructure
- Human resources productivity
- Income distribution

13) Local Place Development

•TOP 3 CHALLENGES?

12. AI platforms reduce connection with local
13. Mass movement & migration - local places are full of strangers
14. Houses in high quality areas are available only for the elite

•TOP 3 CHANGES BY 2050?

15. Re-structuring of urban & rural
16. Climate change makes many areas unlivable
17. Many areas go to new forms of informality

•TOP 3 OPPORTUNITIES??

18. New ways of participation & inclusion
19. Changes in female-male relationships
20. New models for education so kids are more connected to the local area

•TOP 3 PRIORITIES FOR ACTION??

- Every local area has a 'forum' or some way to make decisions
- Every local area has a 'foresight' platform & program for thinking about the future
- Every local area has 'community stewards' who can connect with other parts of government

14) National Development

•TOP 3 CHALLENGES?

- Downstream Industries
- Demography Bonus
- Development Equality and Economics

•TOP 3 CHANGES BY 2050?

- Industry Optimization
- Demography resiliency
- Increase of Accesibility or Infrastructure Development: equality economic, public service, beaurecratic reform, public health system => universal health coverage

•TOP 3 OPPORTUNITIES??

- Rich Natural Resource
- Human Resource
- Tax Potential

•TOP 3 PRIORITIES FOR ACTION??

- Minimalize export of raw materials and strengthening investment system on downstream industry
- Human Resource Development
- Development Equality and Supervising development on village and rural areas

CURRENT CONDITION/CHALLENGE

- 1) INDUSTRIALISASI INDUSTRI → develop (kapan bisa sukses → produk) + kualitas produk (nilai, baik buruk, dll)
- 2) BOMUS DEMOGRAFI → ledakan penduduk, urban, demographic mobility (urban), masalah lapangan pekerjaan → pengangguran → skill, Pendidikan CDD
- 3) PENERAPAN PEMBANGUNAN DAN EKONOMI
 - Mendorong Gdp → fokus pada lapangan
 - Lapangan bus: akomodasi, infrastruktur
 - Proyek → penerapan konsep + pembangunan area

• reformasi, pengorganisasian
 • (kopi catel)
 • baru
 = mencari lahan Gdp pelayaran

Top 3 Change by RASD

1. Optimalisasi investasi → sistem investasi di sektor hulu, transfer teknologi, R&D
 2. Demografi & mobilitas → GDM, transfer gender, social, economic, tidak terorganisir
 3. Akomodasi, perumahan → perumahan → rumah bergengsi → baru 2 km
- Opportunity:
- SOA meluas
 - GDM
 - Potensi payroll
- Elaborasi yg nyata - (110) → Keras dan nyata
 → Keras dan nyata
- Lapangan fields
 Konvensional reformasi
 Kebutuhan → kebutuhan lapangan 4/2015
 → kualitas

Top 3 for Action

- 1. Desentralisasi dengan lahan sendiri
 → desentralisasi
 → desentralisasi
 → desentralisasi
 - 2. Pembangunan GDM
 → perubahan lapangan pekerjaan pusat kota
 → Situasi di tingkat tengah pedesaan
 → menyesuaikan ke sesuai program, harusnya memunculkan
 → Potensi lapangan
 → dan talent management dan talent pool
- meningkatkan kualitas investasi hulu
 dan motif di pedesaan
 Mendorong hulu
 investasi membangun hulu (P)
- Keras dan nyata
 → prosedur kerja, evaluasi dan hasil

15) GOVERNMENT & BUREAUCRACY

•TOP 3 CHALLENGES?

- *Korupsi, Kolusi, dan Nepotisme*
- *Lambatnya Birokrasi*
- *Kualitas SDM Aparatur Birokrasi*

- Corruption, Collusion and Nepotism •
- Slow Bureaucracy •
- Quality of Human Resources for Bureaucratic Apparatus

•TOP 3 CHANGES BY 2050?

- *Digital Transformation*
- *Reformasi Birokrasi*
- *Regulasi Pendidikan*

- Digital Transformation •
- Bureaucratic Reform •
- Education Regulations

•TOP 3 OPPORTUNITIES??

- 1) *Lambatnya Birokrasi*
- *Penggalakan reformasi birokrasi*
- *Transformasi digital*
- 2) *Korupsi, Kolusi, dan Nepotisme*
- *Penguatan integritas lembaga penegak hukum*
- *Meritokrasi*
- 3) *Kualitas SDM ASN yang Rendah*
- *Meritokrasi*
- *Pengawasan Kinerja*

1. Slow Bureaucracy

- Promoting bureaucratic reform
- Digital transformation

2. Corruption, Collusion and Nepotism

- Strengthening the integrity of law enforcement agencies
- Meritocracy

3. Low quality of ASN human resources

- Meritocracy
- Performance Monitoring

•TOP 3 PRIORITIES FOR ACTION??

- *Pengalakan reformasi birokrasi*
- *Meritokrasi*
- *Pengawasan kinerja dan penguatan lembaga penegak hukum*

- Promoting bureaucratic reform
- Meritocracy
- Monitoring the performance and strengthening of law enforcement institutions

