

Rapat Kerja Nasional
Majelis Pustaka dan Informasi
Pimpinan Pusat Muhammadiyah
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Membangun Roadmap *Semesta Digital* yang Unggul dan Integratif dalam Bingkai Islam Berkemajuan

URUN REMBUK

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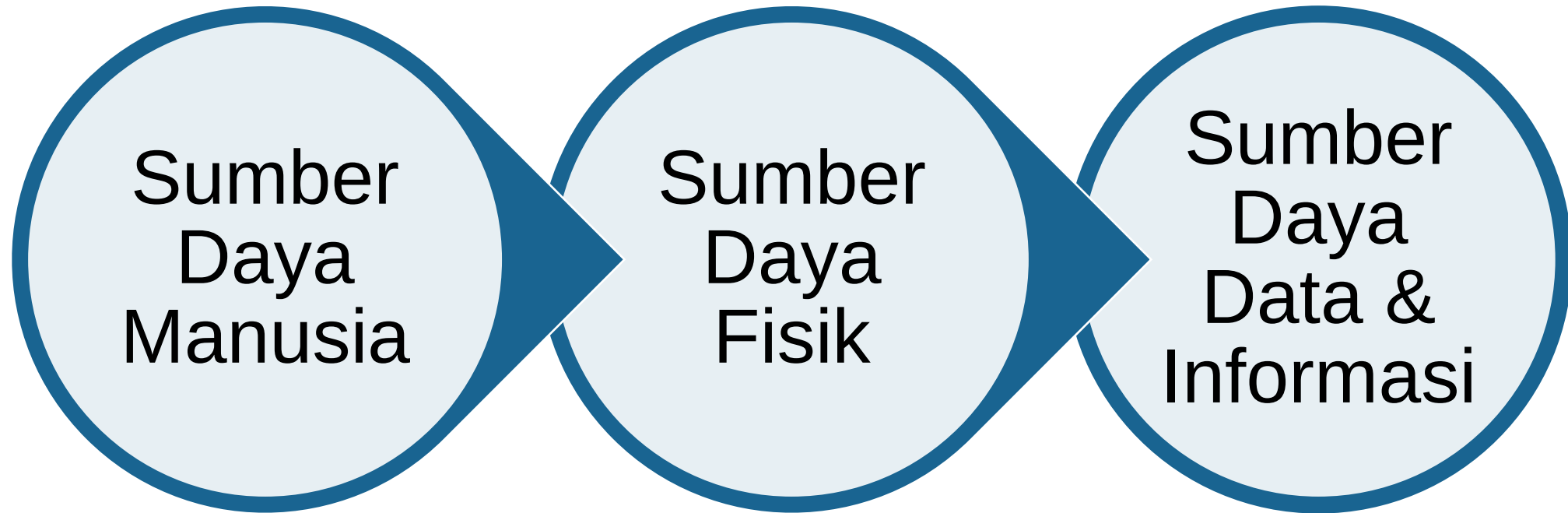


LET'S START WITH THIS...

1. Tim sepakbola PSSI rasa Muhammadiyah?
2. Peta pengangguran dan pasar pekerjaan
3. Pemerataan & pemberdayaan ZIS
4. Database penyakit dan inovasi kedokteran
5. Mencari pemimpin negeri?

Muhammadiyah lumbung data empiris!

Aset Muhammadiyah 3.0



- Munculnya pejuang-pejuang dakwah dan pendidikan yang memiliki ilmu, kebijaksanaan dan komitmen perjuangan
- Penguatan dan kesinambungan melalui berbagai program pengajian, pengkaderan, pelatihan dst.

- Tumbuh dan berkembangnya Amal Usaha Muhammadiyah dalam berbagai bidang.
- Gedung dan infrastruktur insitusi keagamaan, pendidikan, kesehatan, sosial, filantropi, dll.

- Merupakan hasil proses aktivitas amal usaha berupa ilmu, arsip, penerbitan, pencatatan, pendataan, database prestasi, database talenta, database penyakit, peta bisnis & supply chain, dst.

Roadmap Semesta Digital Muhammadiyah

Visi Digital Berkemajuan

Data – Knowledge – Wisdom (A-Zumar: 9)

Big data sebagai sumber daya (Al-baqarah 31)

Infosecurity - CIA triangle: Confidentiality, Integrity & Availability (An-Nisa: 58; Hijrah)

Sistem informasi: Neuron sensorik & motorik organisasi (H.R. Muslim)

Reality Check

Digitalisasi – Datafikasi – Automasi: harapan & ancaman

Hutan data di Indonesia: (Use, Disuse, Overuse, Underuse, Misuse, Abuse by **the 3 BIG FACTORS**).

Perubahan lanskap hukum & tatakelola

Tatakelola Data

Roadmap Muhammadiyah 3.0: **Digital leadership**

Penguatan kultur informasi Persyarikatan

Tatakelola data: **Mapping >> Protecting >> Exploiting**

Kerangka **undang-undang**: Confidentiality, ITE, PDP, Cybersecurity

Kata Al-Qur'an tentang
MAHADATA / DATARAYA / BIG DATA
Al-Baqarah (2): 30-33

وَعَلَّمَ آدَمَ الْأَسْمَاءَ كُلَّهَا ثُمَّ عَرَضَهُمْ عَلَى الْمَلَائِكَةِ فَقَالَ أَنْبِئُونِي بِأَسْمَاءِ هَؤُلَاءِ إِنْ كُنْتُمْ صَادِقِينَ

Dan Ia telah mengajarkan Nabi Adam, akan segala nama benda-benda dan gunanya, kemudian ditunjukkannya kepada malaikat lalu Ia berfirman: "Terangkanlah kepadaKu nama benda-benda ini semuanya jika kamu golongan yang benar".

قَالُوا سُبْحَانَكَ لَا عِلْمَ لَنَا إِلَّا مَا عَلَّمْتَنَا إِنَّكَ أَنْتَ الْعَلِيمُ الْحَكِيمُ

Malaikat itu menjawab: "Maha suci Engkau (Ya Allah)! Kami tidak mempunyai pengetahuan selain dari apa yang Engkau ajarkan kepada kami; sesungguhnya Engkau jualah yang Maha Mengetahui, lagi Maha Bijaksana".

قَالَ يَا آدَمُ أَنْبِئْهُمْ بِأَسْمَائِهِمْ فَلَمَّا أَنْبَأَهُمْ بِأَسْمَائِهِمْ قَالَ أَلَمْ أَقُلْ لَكُمْ إِنِّي أَعْلَمُ الْغَيْبَ السَّمَاوَاتِ وَالْأَرْضِ وَأَعْلَمُ مَا تُبْدُونَ وَمَا كُنْتُمْ تَكْتُمُونَ

Allah berfirman: "Wahai Adam! Terangkanlah nama benda-benda ini semua kepada mereka". Maka setelah Nabi Adam menerangkan nama benda-benda itu kepada mereka, Allah berfirman: "Bukankah Aku telah katakan kepada kamu, bahawasanya Aku mengetahui segala rahsia langit dan bumi, dan Aku mengetahui apa yang kamu nyatakan dan apa yang kamu sembunyikan?".

وَإِذْ قَالَ رَبُّكَ لِلْمَلَائِكَةِ إِنِّي جَاعِلٌ فِي الْأَرْضِ خَلِيفَةً قَالُوا أَتَجْعَلُ فِيهَا مَنْ يُفْسِدُ فِيهَا وَيَسْفِكُ الدِّمَاءَ وَنَحْنُ نُسَبِّحُ بِحَمْدِكَ وَنُقَدِّسُ لَكَ قَالَ إِنِّي أَعْلَمُ مَا لَا تَعْلَمُونَ

Dan (ingatlah) ketika Tuhanmu berfirman kepada Malaikat; "Sesungguhnya Aku hendak menjadikan seorang khalifah di bumi". Mereka bertanya (tentang hikmat ketetapan Tuhan itu dengan berkata): "Adakah Engkau (Ya Tuhan kami) hendak menjadikan di bumi itu orang yang akan membuat bencana dan menumpahkan darah (berbunuh-bunuhan), padahal kami sentiasa bertasbih dengan memujiMu dan mensucikanMu?". Tuhan berfirman: "Sesungguhnya Aku mengetahui akan apa yang kamu tidak mengetahuinya".

Digitalisasi – Datafikasi - Automatisasi

1. Proliferation of the technology:

- computers (data processing)
- cloud (storage)
- AI (automation, analytic, etc)
- mobile technology (connectivity)
- social media (interactions)
- blockchain (retention)
- digital money (transaction), etc.

2. Data-driven decision making: both in private and public



Datafikasi di Sekeliling Kita



```
101001101001000010101
0011110111011011011010
101000011100101011001
010100111010100010101
0001011010110110110100
010101110001010100010
1000101110101100010011
010011010010000101010
0111101110110110110101
010000111001010110010
101001110101000101010
0010110101101101101001
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What Google Knows

Google compiles enough data to build comprehensive portfolios of most users—who they are, where they go and what they do—and the information is all available at google.com/dashboard. Here are just a few things WSJ reporter Tom Gara found out about himself.

GOOGLE SEARCH 64,019

Google thinks Tom performs most of his searches around 8 a.m. ET, but this is probably skewed by years spent outside the U.S.

ANDROID DEVICES 3

Google knows all of Tom's synched Android phones, including the old Nexus S phone that he gave to his mom.

WALLET 3

Credit cards (two expired) saved in Google Wallet, plus two shipping addresses and 13 itemized purchases since June 2009.

DOCS 855

Documents Tom has created, plus the 115 he has opened that belong to other people.

EMAIL 134,966

All of Tom's emails since he first got a Gmail account in 2004. Google also stores his 6,147 chats.

CONTACTS 2,702

Google knows the people that Tom emails the most. At the top is a friend in Egypt.

YOUTUBE 9,220

Videos Tom has watched, listed in chronological order, including a series viewed in June about canoes.

GOOGLE PLAY 117

That's how many apps Tom has downloaded from Google's store.

PASSWORDS 35

Number of website passwords saved in Google's Chrome browser.

LOCATION Willunga, South Australia

Due to an unknown glitch, Google bases Tom's location from one of his old Android phones, which he gave to his mother in Australia.

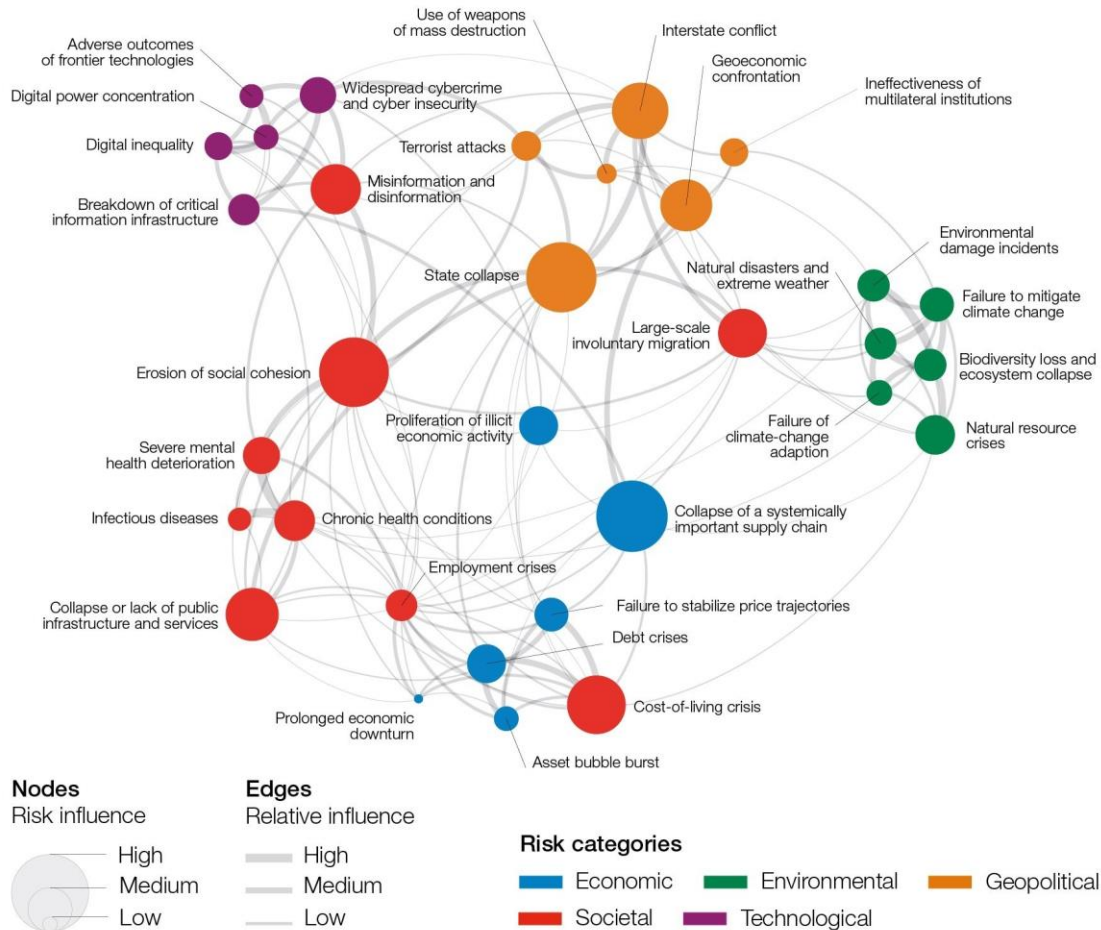
Social media posts,
likes, loves,
mentions, threads,
shares, comments,
follows, subscribes,
emojicons, etc.

Travels, locations,
wearables, cookies,
transactions,
pictures, blogs,
vlogs, logs, etc.

101001101001000010101
0011110111011011011010
101000011100101011001
010100111010100010101
0001011010110110110100
010101110001010100010
1000101110101100010011
010011010010000101010
0111101110110110110101
010000111001010110010
101001110101000101010
0010110101101101101001

DATA

Global risks landscape: an interconnections map



Source: World Economic Forum, Global Risks Perception Survey 2022-2023

RISIKOL GLOBAL 2023 (The World Economic Forum):

Information-related RISKS:

- Cybercrime & cyber insecurity
- Attack to critical infrastructure
- Digital inequality
- Adverse outcome (e.g. AI, big data)
- Misinformation and disinformation

Data Breach Incidents – in the past two years*



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Badan Penyelenggara Jaminan Sosial



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PT. KB FINANSIA MULTI FINANCE

<https://nasional.kompas.com/read/2021/09/03/18445501/deretan-kasus-kebocoran-data-pribadi-dalam-dua-tahun-terakhir>



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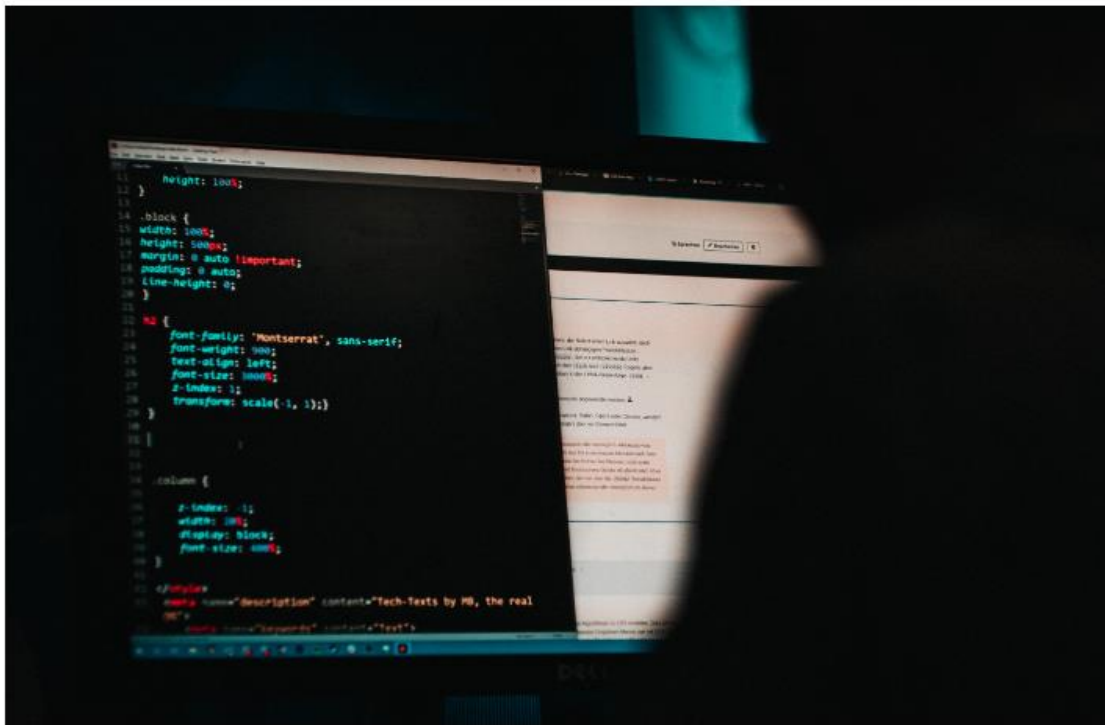
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FRONT ROW

TODAY'S PAPER

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Data breaches still haunt Indonesia as BSI becomes latest victim



Hackers, who talked to The Jakarta Post, say that the security quality of many official Indonesian websites makes it easy for them to hack. (Unsplash/Mika Baumeister)

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LockBit Leaks 1.5TB of Data Stolen From Indonesia's BSI Bank

Subs... Syaria Indonesia Says Service Interruptions Were Maintenance

arti (@JayJay_Tech) • May 18, 2023

Eligible

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Takeaways

01

Digitalisasi bukan sekadar perubahan alat, tapi transformasi semesta mencakup kultur, literasi dan strategi ttg pendayagunaan data

02

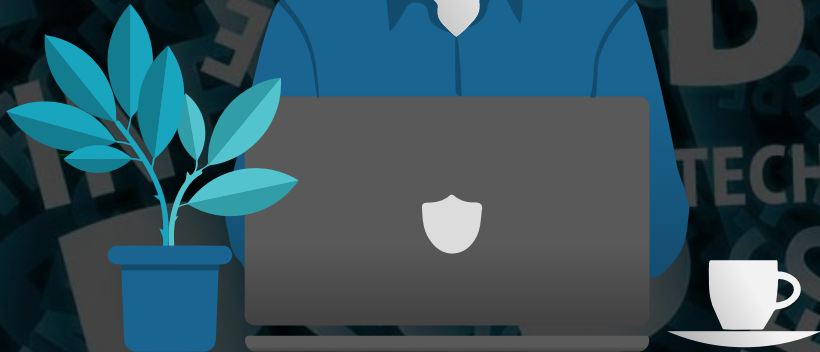
MPI sebagai ujung tombak pemberdayaan sumber daya data Muhammadiyah, baik internal maupun eksternal

03

Upaya dakwah digital perlu didukung oleh seluruh elemen Persyarikatan

04

Sebagai organisasi modern, Muhammadiyah selalu adaptif terhadap perubahan lanskap peraturan perundangan.



THANK YOU

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