

The background of the slide is a soft-focus image of a rural village. In the foreground, there are several traditional houses with brown tiled roofs. In the background, there are lush green mountains under a clear sky. The overall tone is bright and natural.

PEMANFAATAN AI DALAM MENUNJANG KINERJA PEMERINTAHAN DESA

Mohamad Rifan

Disampaikan dalam Diklat Kepala Desa
BPSDM JATIM 2023



Kata Kunci
Artificial Intelligence
x
Pemerintah Desa

Kata Kunci

Artificial Intelligence

x

Pemerintah Desa

- 1."AI dalam pemerintahan desa"
- 2."Pemanfaatan AI untuk pelayanan publik desa"
- 3."Transformasi digital pemerintahan desa dengan AI"
- 4."Efisiensi administrasi desa melalui AI"
- 5."Inovasi AI dalam pengelolaan sumber daya desa"
- 6."AI untuk pengembangan infrastruktur desa"
- 7."Kecerdasan buatan dalam pengambilan keputusan desa"
- 8."Pemberdayaan masyarakat desa melalui AI"
- 9."Tantangan dan peluang AI di pemerintahan desa"
- 10."Keamanan data dalam implementasi AI di desa"



A.I

Artificial Intelligence

1. *Artificial Narrow Intelligence (ANI)*
2. *Artificial General Intelligence (AGI)*
3. *Artificial Super Intelligence (ASI)*

SPBE.

Sistem Pemerintahan Berbasis Elektronik.

1. *Aplikasi*
2. *Database*
3. *Infrastruktur*



Posisi Kebijakan

Inpres Nomor 3 Tahun 2003 Tentang Kebijakan dan Strategi Nasional Pengembangan e-Government

UU 14/2008

Sistem Informasi dan Dokumentasi

UU 43/2009

Sistem Informasi Kearsipan

UU 25/2009

Sistem Informasi Pelayanan Publik

UU 6/2014

Sistem Pembangunan Desa

PERPRES NOMOR 95/2018 TENTANG SPBE

Pembangunan SPBE bersifat Sektoral

Aplikasi | Database | Infrastruktur

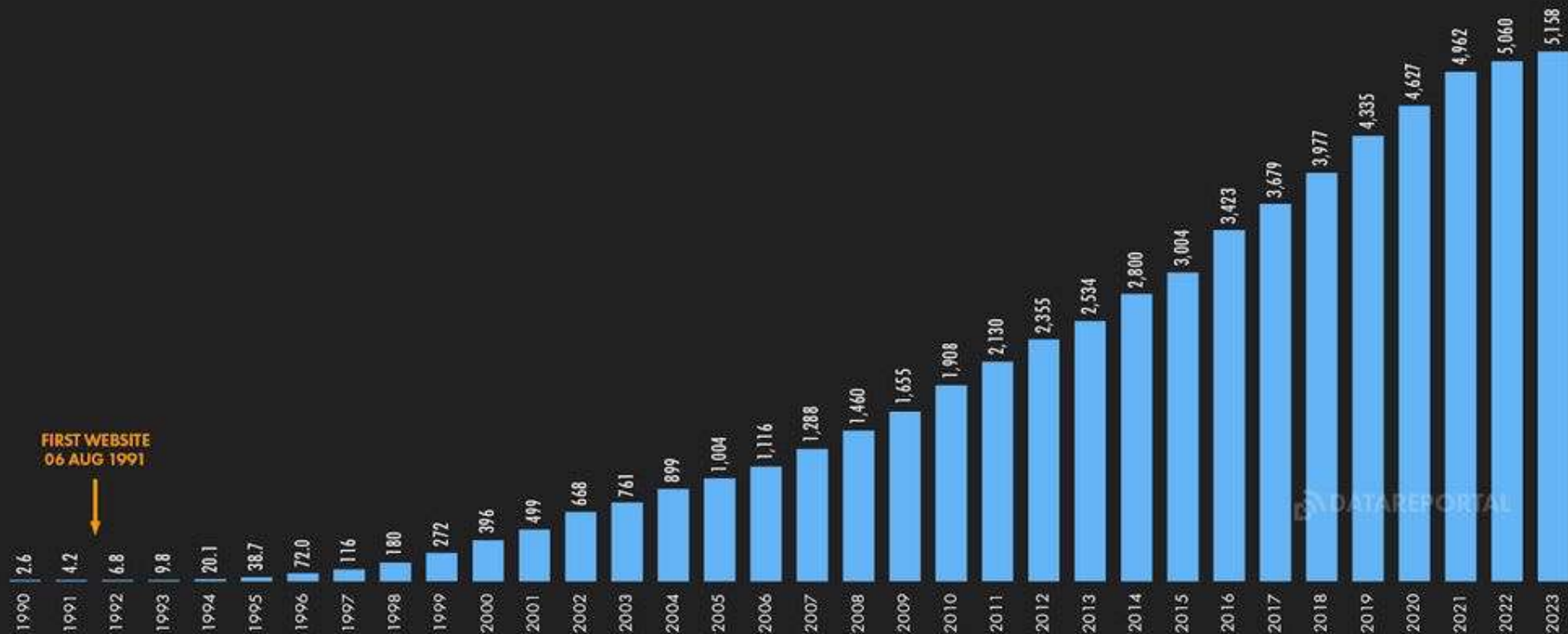
DESA



PEMPOWERED WITH A..I

INTERNET USERS: TIMELINE

NUMBER OF INTERNET USERS BY YEAR (IN MILLIONS)



FIRST WEBSITE
06 AUG 1991

DATA REPORTAL

SOURCES: KERIOS ANALYSIS; ITU; GSMA INTELLIGENCE; EUROSTAT; WORLD BANK; GOOGLE'S ADVERTISING RESOURCES; CIA WORLD FACTBOOK; CNNIC; APIS; KANTAR & IAMA; LOCAL GOVERNMENT AUTHORITIES; UNITED NATIONS. **NOTES:** THE TIME REQUIRED TO COLLECT, PROCESS, AND REPORT INTERNET USER RESEARCH DATA MAY MEAN THAT USER FIGURES AND GROWTH TRENDS FOR RECENT PERIODS UNDER-REPRESENT ACTUAL VALUES. SEE NOTES ON DATA FOR FURTHER DETAILS. **COMPARABILITY:** SOURCE AND BASE CHANGES. FIGURES MAY NOT MATCH OR CORRELATE WITH FIGURES PUBLISHED IN PREVIOUS REPORTS. ALL FIGURES USE THE LATEST AVAILABLE DATA, BUT SOME SOURCE DATA MAY NOT HAVE BEEN UPDATED IN THE PAST YEAR. SEE NOTES ON DATA FOR DETAILS.

JAN
2023

OVERVIEW OF INTERNET USE

ESSENTIAL INDICATORS OF INTERNET ADOPTION AND USE



TOTAL
INTERNET
USERS



5.16
BILLION

INTERNET USERS AS
A PERCENTAGE OF
TOTAL POPULATION



64.4%
YOY: +1.1% (+70 BPS)

YEAR-ON-YEAR CHANGE
IN THE TOTAL NUMBER
OF INTERNET USERS



+1.9%
+98 MILLION

PERCENTAGE OF THE
TOTAL FEMALE POPULATION
THAT USES THE INTERNET



61.6%
YOY: +1.4% (+87 BPS)

PERCENTAGE OF THE
TOTAL MALE POPULATION
THAT USES THE INTERNET



67.2%
YOY: +0.8% (+53 BPS)

AVERAGE DAILY TIME
SPENT USING THE INTERNET
BY EACH INTERNET USER



6H 37M
YOY: -4.8% (-20M)

PERCENTAGE OF USERS
ACCESSING THE INTERNET
VIA MOBILE DEVICES



92.3%
YOY: +0.2% (+20 BPS)

PERCENTAGE OF USERS
ACCESSING THE INTERNET
VIA COMPUTERS AND TABLETS



65.6%
YOY: -7.9% (-560 BPS)

PERCENTAGE OF THE
TOTAL URBAN POPULATION
THAT USES THE INTERNET



78.3%

PERCENTAGE OF THE
TOTAL RURAL POPULATION
THAT USES THE INTERNET



45.8%

SOURCES: KERIOS ANALYSIS; ITU; GSMA INTELLIGENCE; EUROSTAT; WORLD BANK; GOOGLE'S ADVERTISING RESOURCES; CIA WORLD FACTBOOK; CNNIC; APIL KANTAR & IAMA; LOCAL GOVERNMENT AUTHORITIES; UNITED NATIONS. TIME SPENT AND MOBILE SHARE DATA FROM GWI (Q3 2022). SEE GWI.COM FOR MORE DETAILS. **NOTES:** GENDER DATA ARE ONLY AVAILABLE FOR "FEMALE" AND "MALE". PERCENTAGE CHANGE FIGURES IN THE BOTTOM ROWS OF DATA SHOW RELATIVE YEAR-ON-YEAR CHANGE. "BPS" FIGURES REPRESENT BASIS POINTS, AND SHOW ABSOLUTE YEAR-ON-YEAR CHANGE. **COMPARABILITY:** SOURCE AND BASE CHANGES. ALL FIGURES USE THE LATEST AVAILABLE DATA, BUT SOME SOURCE DATA MAY NOT HAVE BEEN UPDATED IN THE PAST YEAR. SEE NOTES ON DATA FOR DETAILS.

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ESSENTIAL DIGITAL HEADLINES

OVERVIEW OF THE ADOPTION AND USE OF CONNECTED DEVICES AND SERVICES

NOTE: PLEASE READ THE IMPORTANT NOTES ON COMPARING DATA AT THE START OF THIS REPORT BEFORE COMPARING DATA ON THIS CHART WITH PREVIOUS REPORTS.



INDONESIA

TOTAL
POPULATION



276.4
MILLION

URBANISATION

58.2%

CELLULAR MOBILE
CONNECTIONS



353.8
MILLION

vs. POPULATION

128.0%

INTERNET
USERS



212.9
MILLION

vs. POPULATION

77.0%

ACTIVE SOCIAL
MEDIA USERS



167.0
MILLION

vs. POPULATION

60.4%

SOURCES: UNITED NATIONS, GOVERNMENT BODIES, STATE INTELLIGENCE, ITC, WORLD BANK, EUROPEAN COMMISSION, MAAIL & KONTAK, CIA WORLD FACTBOOK, COMPANY ADVERTISING RESOURCES AND EMPLOYER REPORTS, OCEN, META RESEARCH CENTRE, KAPPA ANALYTICS. **ADVISORY:** SOCIAL MEDIA USERS MAY NOT REPRESENT UNIQUE PERSONS. **COMPARABILITY:** SIGNIFICANT REVISIONS TO SOURCE DATA, INCLUDING COMPREHENSIVE REVISIONS TO POPULATION DATA, FIGURES ARE NOT COMPARABLE WITH PREVIOUS REPORTS. ALL FIGURES USE THE LATEST AVAILABLE DATA, BUT SOME SOURCE DATA MAY NOT HAVE BEEN UPDATED IN THE MOST RECENT FIGURES OR DATA FOR THAT ENTITY.

AI & Tantangan e-Gov.

Penyelenggara Pemerintahan



Teknologi Infomrasi Dan Komunikasi



Layanan



Inisiatif SPBE

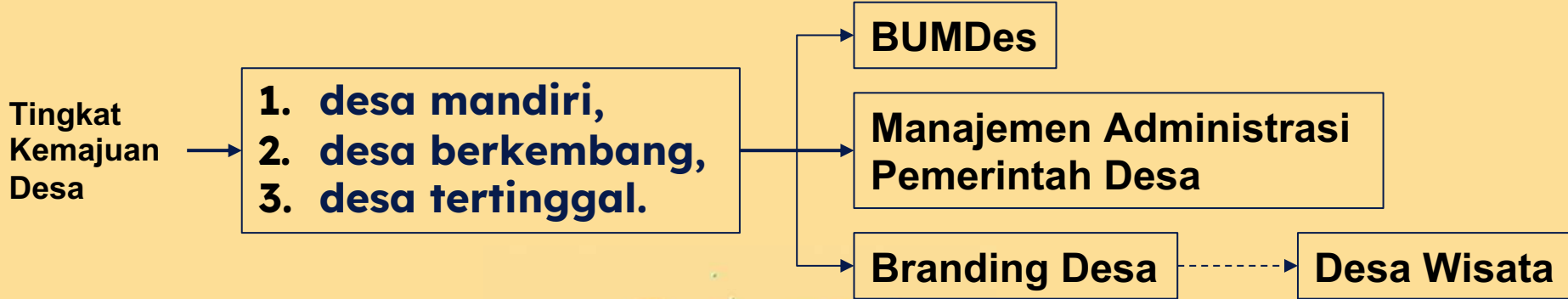
1. Tata Kelola
2. Layanan SPBE
3. TIK
4. SDM SPBE

Catatan penting:

1. Arsitektur SPBE.
2. Adanya tuntutan pelayanan publik yang transparan, cepat, dan efektif.
3. Sisten tidak mengalami disintergrasi.
4. Teknologi layanan berbagi pakai (*cloud computing*), analitik Big Data, dan **AI**.
5. Pelatihan, sertifikasi, kompetensi.
6. Sistem keamanan.



Penguatan Pemerintah Desa melalui A.I.



Produk:

1. Peraturan Desa tentang Pelaksanaan/ atau Desain Arsitektur SP(D)BE
2. Kerjasama Desa dengan Pihak Ketiga

Mari Kita Kuis...!!!



PERMANENTAN ALAM DALAM KINERAGI DEMERITAN





