



POLITEKNIK STATISTIKA STIS

For Better Official Statistics

RENCANA AKSI

INSAN STATISTIK TELADAN
2024

Lya Hullyyyatus Suadaa



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Regional Hub
on Big Data and
Data Science
for Asia and The Pacific

INTRODUCTION



DR. ENG. LYA HULLIYYATUS SUADAA, SST, MT

Lektor, Fungsional Dosen

Ketua Unit Kajian Sains Data

Koordinator Bidang Pendidikan dan Pelatihan

@Regional Hub on Big Data and Data Science for Asia and The Pacific

Pendidikan:

DIV Komputasi Statistik – STIS (2010)

S2 Magister Informatika – ITB (2016)

S3 Communication & Information Eng. – Tokyo Tech (2021)



Regional Hub
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INTRODUCTION



DR. ENG. LYA HULLIYYATUS SUADAA, SST, MT

Pengembangan Diri:

- Workshop on MPD Processing and Analytics for Official Statistics 2024 (Narasumber)
- Global Digital R&DB Hub Seminar in ASIA 2024 di Vietnam (Peserta)
- The 1st FORSTAT International Conference (FORSTAT ICON - 1 2024) (Moderator)
- International The 2nd International Conference on Data Science and Official Statistics (ICDSOS 2023) (Moderator)
- The International Seminar on The Innovation and Application of Remote Sensing in Agriculture Statistics 2023 di China (Peserta)
- COP28 di Dubai (Narasumber)



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INTRODUCTION

DR. ENG. LYA HULLIYYATUS SUADAA, SST, MT

Prestasi/Inovasi:

- 3rd Best Paper on AI and Computational Linguistics Track pada International Conference on Data Science and Its Applications (ICoDSA 2022)
- Best Oral Presentation and Best Poster Presentation Awards pada NTCIR 16 Conference, Jepang
- Second Winner of Asia Open Data Hackathon 2016
- Juara Kategori Khusus Perempuan pada Pilkada Serentak Apps Challenge Code for Vote 4.0 2015
- Sistem Informasi Terpadu (SIPADU) STIS 2011-2014



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ACTION PLAN

UN Hubs for Big Data and Data Science

Regional Hub
Brazil



Regional Hub
Rwanda



Global Hub
ARIES for SEEA



Regional Hub
UAE



Global Hub
China



Regional Hub
Indonesia



Berdasarkan mandat
dari 54th Session of UN
Statistical Commission
(22 Feb – 3 Mar 2023)



MoU antara UN (UNSD &
UNESCAP) vs Pemerintah
RI (BPS) (Feb 2024)
mengenai

**UN Regional Hub for Big
Data & Data Science for
Asia and The Pacific**



Regional Hub
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ACTION PLAN

Regional Hub on Big Data and Data Science for Asia and The Pacific

TUJUAN

1. Menjadikan BPS sebagai pusat pengembangan big data dan data science untuk official statistic di kawasan Asia Pasifik

SASARAN

1. BPS menjadi pusat pengembangan big data dan data science untuk official statistic di kawasan Asia Pasifik
2. Meningkatnya kepercayaan diri BPS di kancah Internasional



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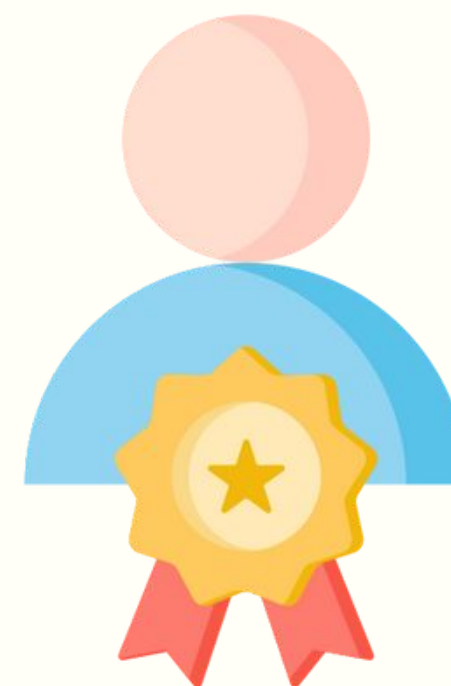
ACTION PLAN

Program Talent Pool Big Data & Data Science di Regional Hub on Big Data and Data Science for Asia and The Pacific

LATAR BELAKANG



Trainer terbatas di
Polstat STIS dan
tim tertentu di BPS
RI



Perlunya membuka
peluang untuk
talenta BPS Selindo
yang kompeten



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ACTION PLAN

Program Talent Pool Big Data & Data Science di Regional Hub on Big Data and Data Science for Asia and The Pacific

TUJUAN

1. Mengoptimalkan talenta BPS seluruh Indonesia dalam pengembangan big data dan data science untuk official statistics di kancah internasional

SASARAN

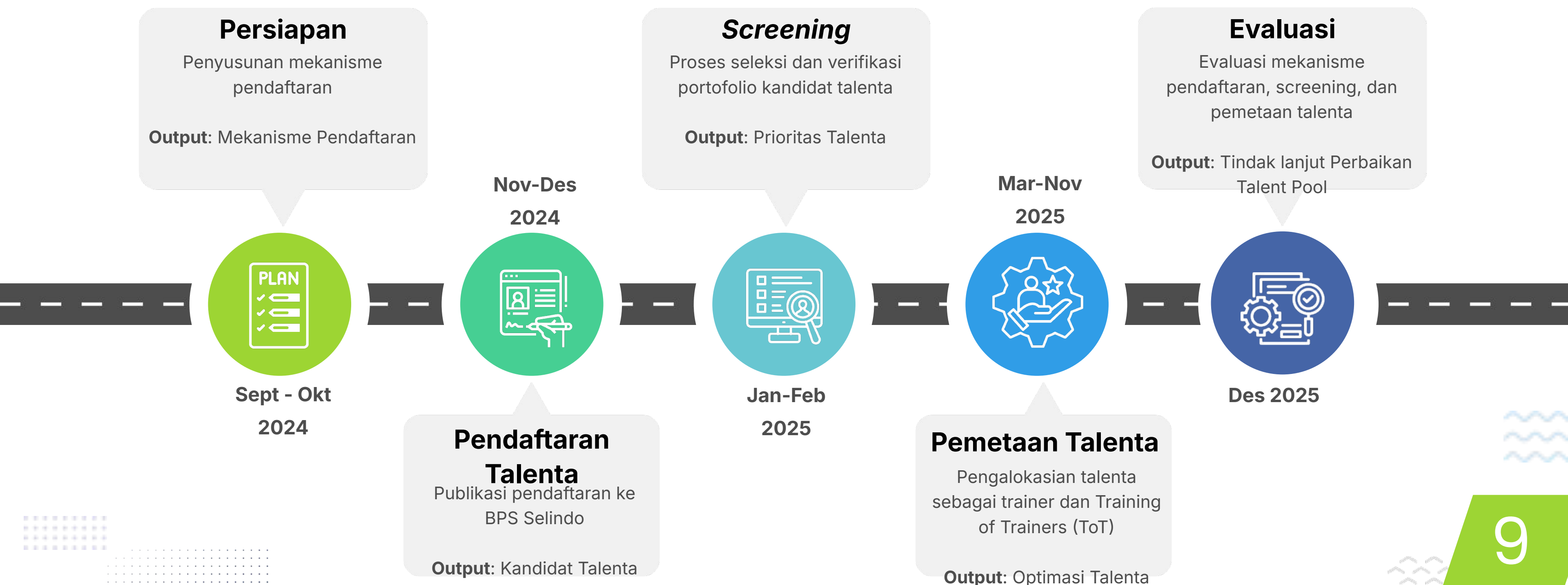
1. Kontribusi optimal talenta BPS seluruh Indonesia dalam pengembangan big data dan data science untuk official statistics di kancah internasional



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TIMELINE

Program Talent Pool Big Data & Data Science di Regional Hub on Big Data and Data Science for Asia and The Pacific

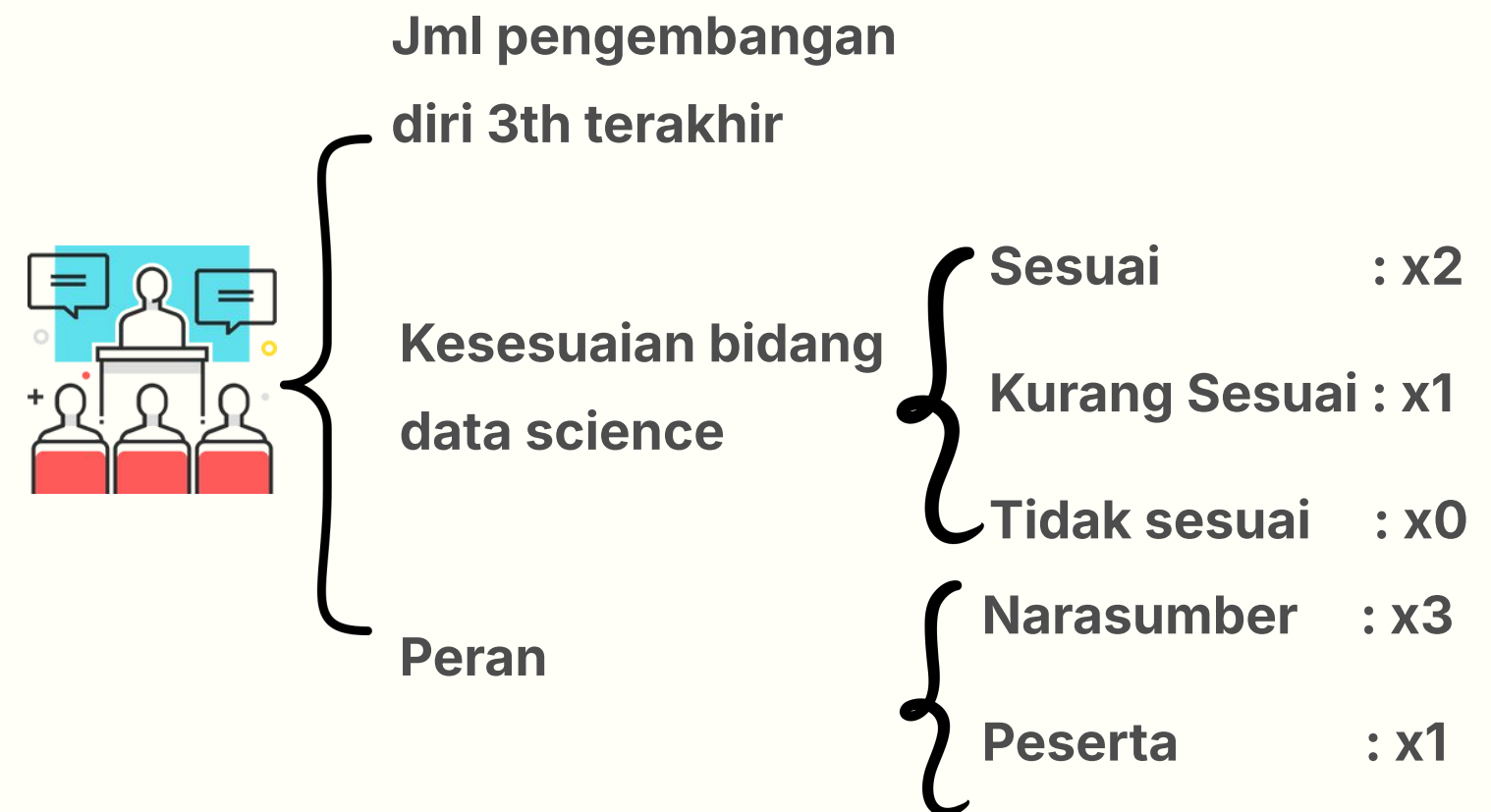
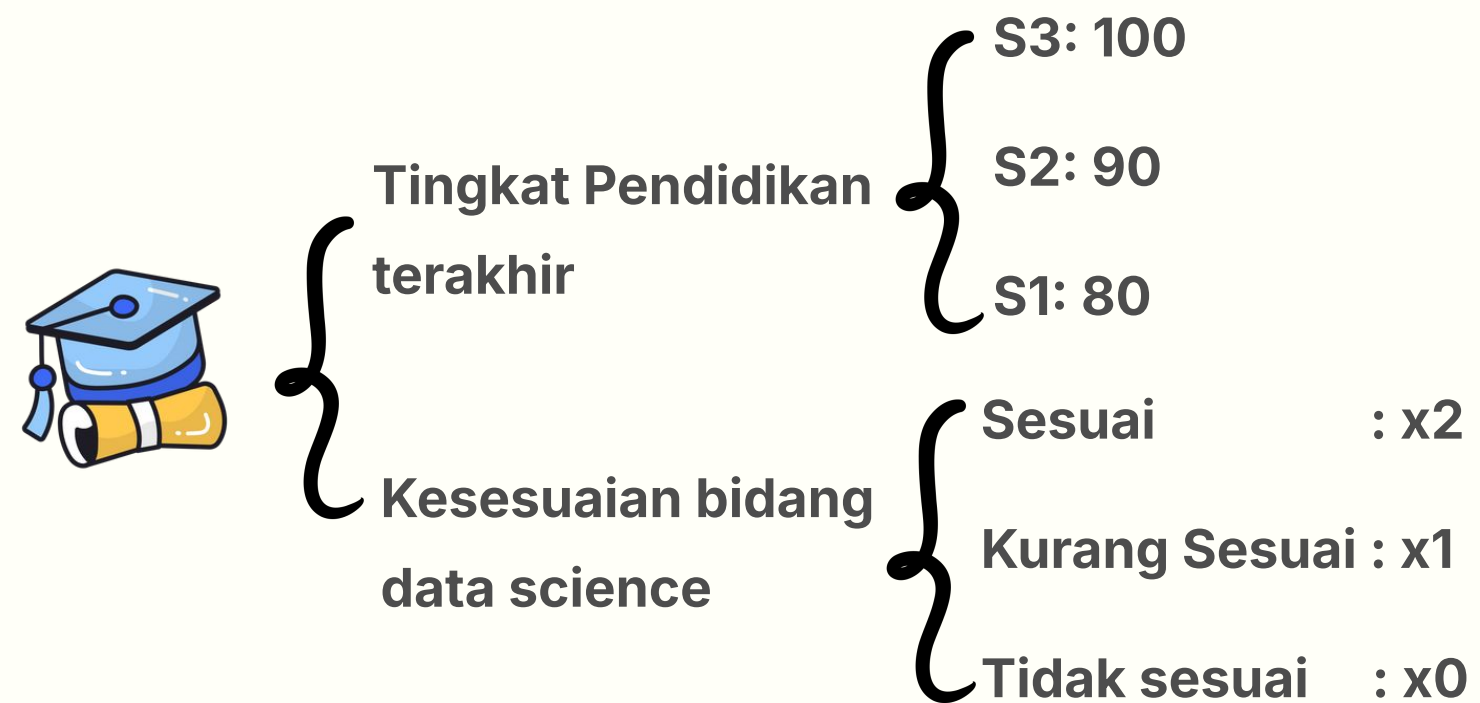




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STRATEGY

CONTOH RUBRIK PENILAIAN





Regional Hub
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STRATEGY

PERUBAHAN PERILAKU

- Talenta di BPS Selindo mengamalkan ilmunya di kancah internasional sebagai Trainer
- Peningkatan kompetensi talenta terkait Big Data dan Data Science di BPS Selindo

SUMBER DAYA

- Peralatan:
 - Platform pendaftaran dan manajemen arsip dokumen
 - Fitur informasi "Talent Pool" di [web hub.bps.go.id](http://web.hub.bps.go.id)
- Keuangan:
 - Pengembangan platform
 - Honor dan Akomodasi Trainer
 - Pelaksanaan Training of Trainers (ToT)



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STRATEGY

DUKUNGAN

- **Tim Regional Hub on Big Data and Data Science for Asia and The Pacific:** koordinasi penyusunan mekanisme Talent Pool dan pelaksanaannya
- **Pusdiklat:** penyelenggaraan Training of Trainers terkait Big Data dan Data Science untuk Official Statistics

- **Biro SDM:** sinkronisasi program Talent Pool BPS
- **Biro Humas:** membantu diseminasi informasi ke BPS Selindo
- **Biro Perencanaan:** penganggaran kegiatan
- **Biro Umum & Keuangan:** dukungan pelaksanaan kegiatan



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STRATEGY

UMPAN BALIK (PENDAFTARAN)



Menyediakan mekanisme **kotak saran** pada proses pendaftaran talenta



Mengadakan **FGD** membahas evaluasi proses pendaftaran dan *screening* talent pool

UMPAN BALIK (TOT)



Evaluasi materi dan **pengajar** dari ToT



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TARGET OUTPUT



**Rubrik Penilaian
Talenta**



**Daftar Talenta
dengan Skor
Kompetensi**



**2 Pengajar Baru
dari BPS Selindo
tahun 2025**



**Peningkatan Skor
Kompetensi
Talenta**

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LAMPIRAN



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The Establishment of
Regional Hub
24 Nov 23



Webinar on Rice
Estimation using Earth
Observation Data
6 Feb 24



Webinar "From MPD
to Official Statistics:
A Journey"
22 Mar 24



✓ Data Cube training
✓ Field visit (West Java)
✓ Technical discussion
2 - 16 Jul 24

Web Scraping
Prices for CPI
Training Program
May-Sept 24

Workshop "Machine
Learning for Official
Statistics"
Oct 24

Pilot Project
MPD for Official
Statistics
2026

21-24 Nov 23

Workshop "Introduction to
Remote Sensing and Land
Cover Classification"



4-8 Mar 24

Technical Workshop
from ESCAP & FAO



7 Jun 24

Expert round table –
webinar
(ESCAP & Global Experts)



29 Jul-2 August 24

Workshop "MPD
Processing and
Analytic for Official
Statistics"



Jul-Sept 24
Datathon in
Collaboration with
Prospera and ABS

2025
Seminar &
Workshop
MPD for Official
Statistics