



# **Building Resilient Vaccine Ecosystem: From Regulatory Perspective**

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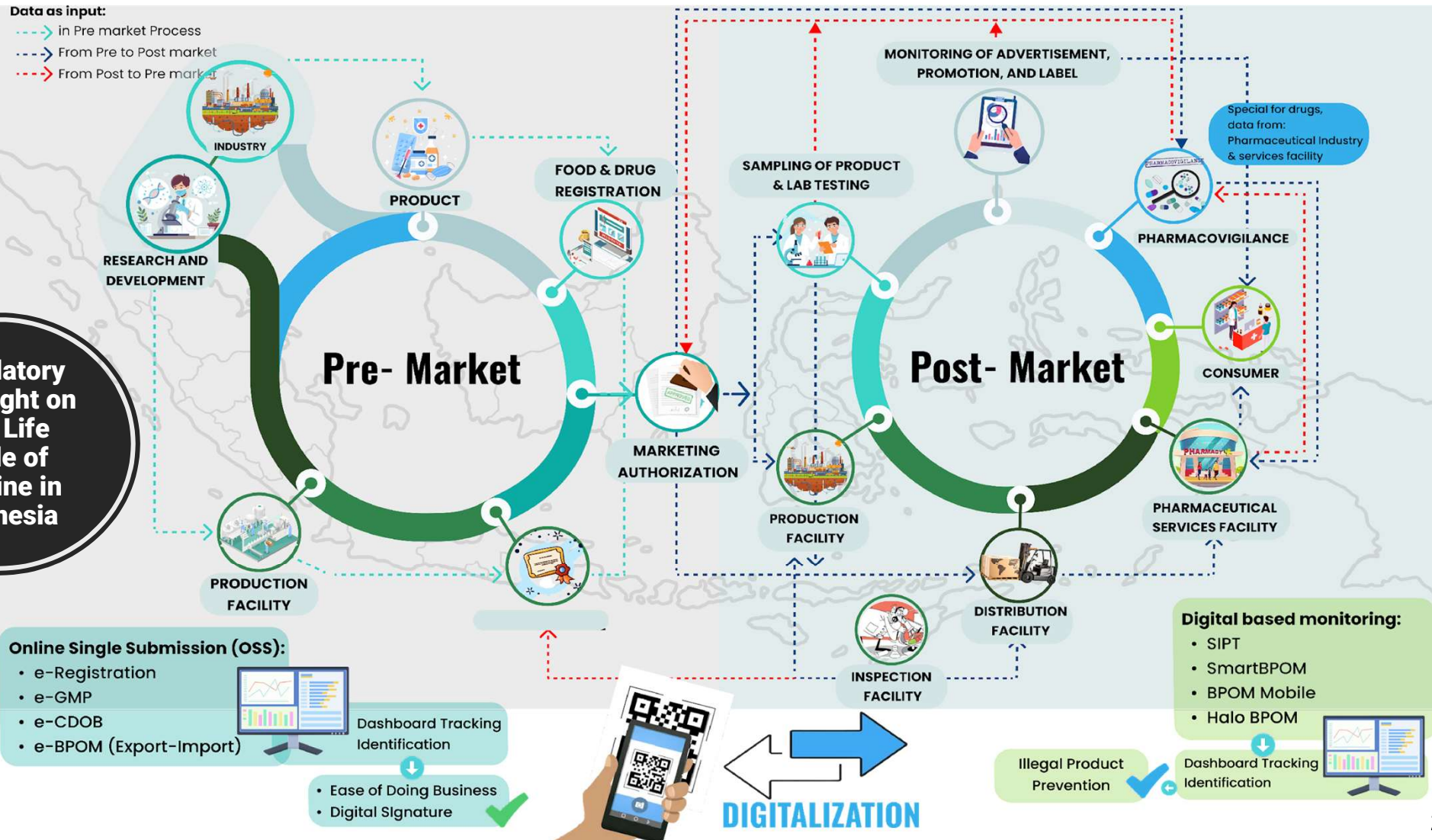
Chairperson of Indonesian Food and Drug Authority (BPOM)

26<sup>th</sup> Annual General Meeting (AGM)

Developing Countries Vaccine Manufacturers' Network (DCVMN)

**Bali, 30 October 2025**

# Regulatory Oversight on One Life Cycle of Vaccine in Indonesia

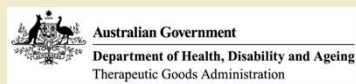


# Harmonization of Regulatory Frameworks

## International standards



## Reference countries



## Joint Assessment

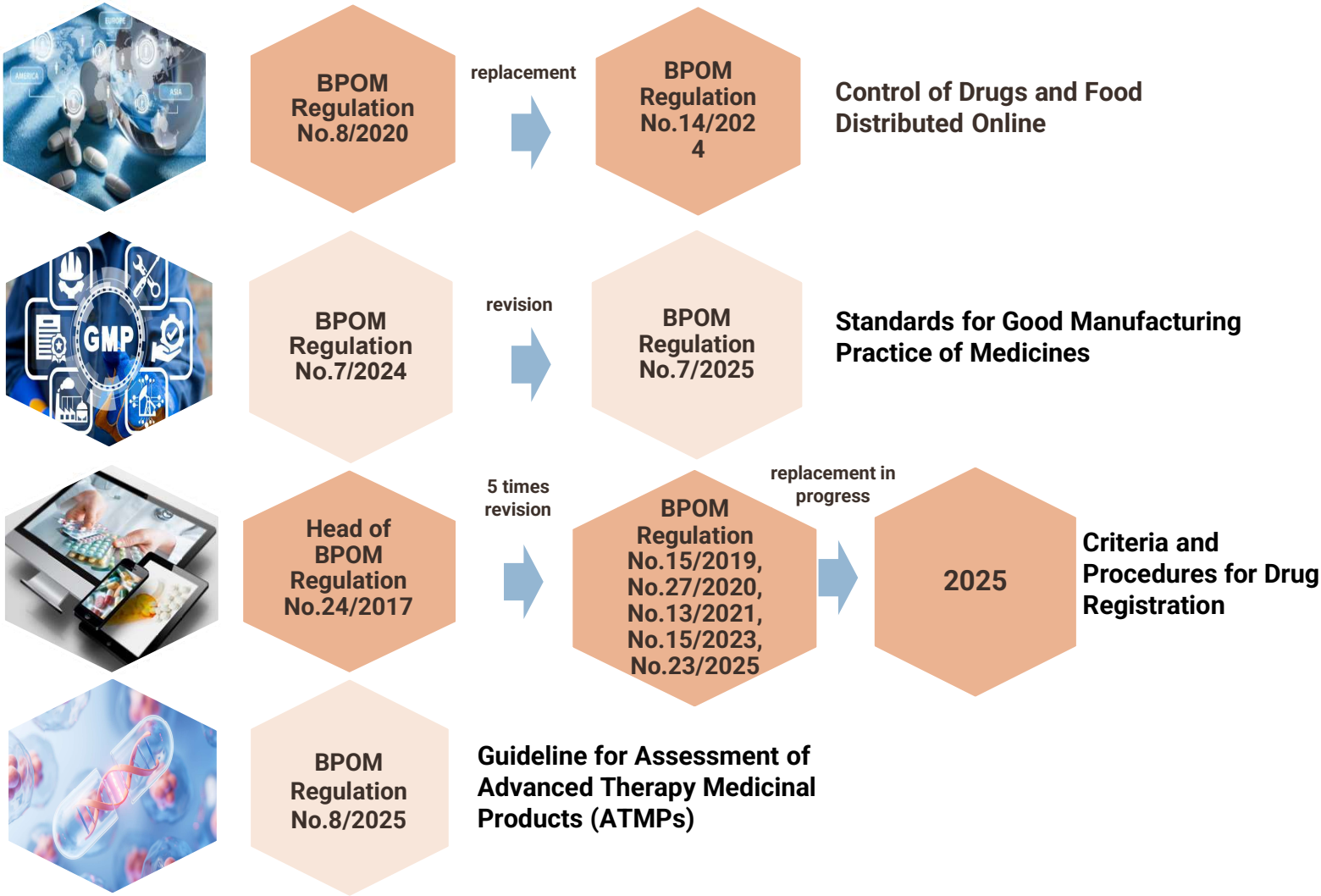


- **Adopt international standards**  
(e.g., WHO, ICH, EMA, FDA, ASEAN)
- **Participate in reliance models,**  
with Europe, USA, UK, Australia, Canada, Japan, and Swiss  
as reference countries
- **Streamline regulatory reviews**  
via regional alliances as BPOM's experiences in the joint  
assessment with WHO, EMA, and ASEAN countries

# Agility Regulation

*BPOM is always establishing on agile and adaptive regulation in view of technological changes and global trends*

## Recent regulation highlights



# Marketing Authorization Vaccine Oversight

## Medicines & Biologicals, including vaccine's Evaluation Criteria (Risk-Based Assessment)



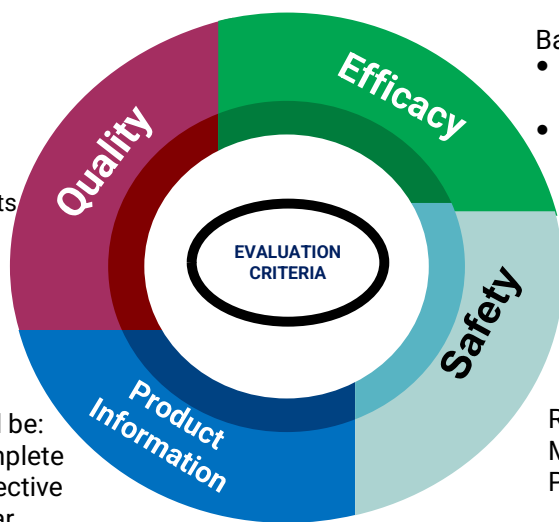
Based on Quality data:

- Active ingredients
- Finished product
- Comply GMP

Should be:

- complete
- Objective
- Clear

To ensure rational medicine



Based on:

- Nonclinical studies
- Clinical studies

Risk Management Plan (RMP)

Public protection towards unexpected risk medicines by providing assurance on the quality, safety, and efficacy of medicinal product marketed in Indonesia.

## Accelerated Pathway for Drug Registration


BPOM support the investment on providing **innovative drugs** in Indonesia, in order to promote the availability of innovative medicine in Indonesia


BPOM provides accelerate review process of new drug through **90 working days** for reliance to 7 reference countries





**50 working days** for **IND** by Pharmaceutical Companies Investment in Indonesia


BPOM provides an Accelerated review process of new drugs through **100 Working Days** for:

 Lifesaving Drug

 Orphan Drug in Indonesia

 **Drug intended for national health programs** equipped with supporting doc for program or result of PQ WHO

 IND developed with at least one clinical trial conducted in Indonesia

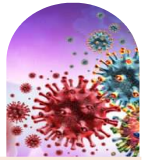
 First Registration of New Drugs by Pharmaceutical Companies investment in Indonesia



# Regulatory Support for Expediting Vaccine Access



## Expedited Pathways for Emergency Use



Create **Emergency Use Authorization (EUA)** frameworks  
(20 working days)

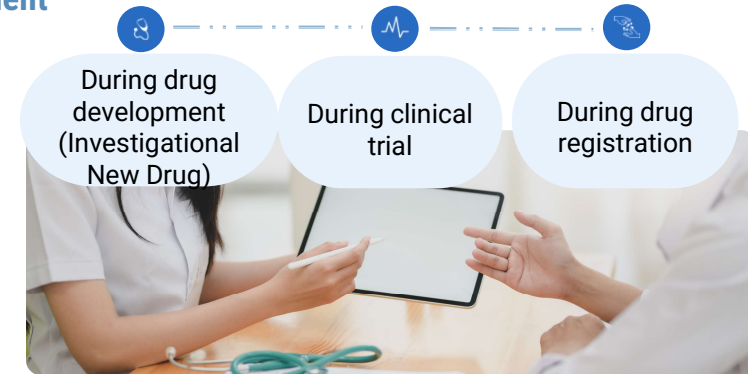


Utilize **rolling submissions**

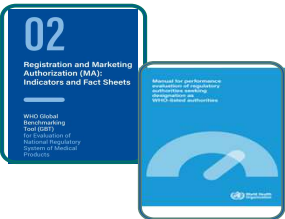


Support **adaptive clinical trial designs**

## Regulatory Assistance for Drug Development



## Toward WHO-Listed Authority



BPOM is now in progress to achieve **WHO-listed Authority (WLA)** status for vaccine from WHO

### Benefits of BPOM as one of WHO-listed authority for vaccine industry:

- Strengthening global trust in Indonesian vaccine
- Increase the number of reference countries in reliance program
- Facilitating vaccine exports to global market
- Improving vaccine production and quality standards
- Strengthening industrial competitiveness and innovation
- Increasing investment and international cooperation in vaccine industry

## Regulatory Support for Manufacturing

Expedite **site approvals** and **technology transfer reviews**



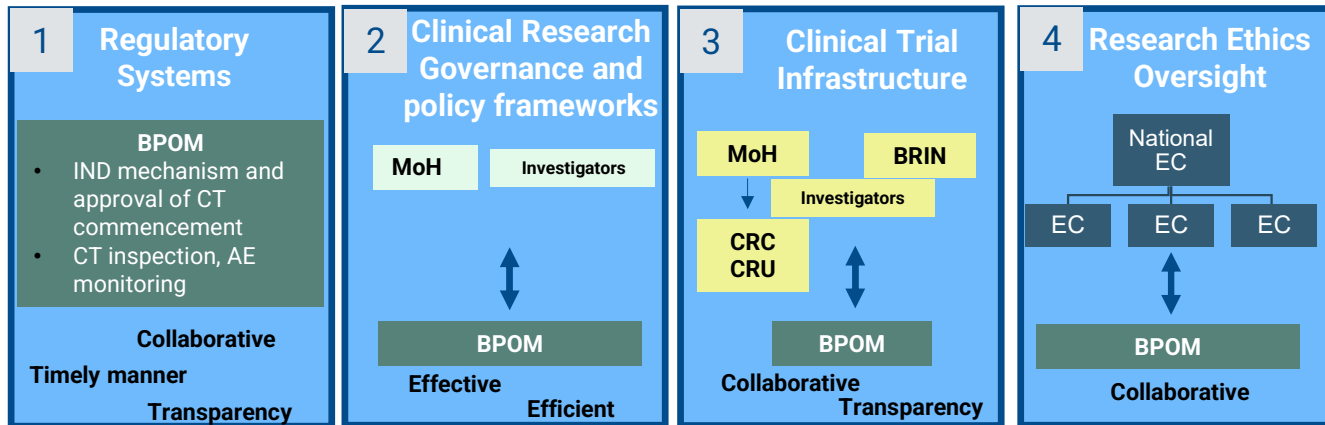
**Fast-track GMP certifications** for new manufacturing facilities

**100 working days**

# Collaborative Governance and Oversight for Clinical Trial in Indonesia

Sustainable strong continuous national clinical  
research ecosystems

1. BPOM performs digital business process
2. BPOM involves advisory committee
3. BPOM & MoH facilitate appropriate data sharing for transparency
4. BPOM uses WHO Global Benchmarking Tools (GBT) to improve CT function



## Coordination with Ethics Committee

BPOM improves efficiency in regulatory authorities and ethics committees for oversight of clinical trials, to streamline procedures wherever possible and appropriate

Continuous strengthening through monitoring, evaluation and learning

BPOM conducts effective and efficient governance to maintain the scientific and ethical integrity of a trial and to ensure a risk-based proportionate approach

Collaboration with stakeholders to Enhance of Clinical Trial Infrastructure including Personnel

IND mechanism & approval of CT commencement, CT Inspection, AE Monitoring, Reliance mechanism

Agreement Between BPOM, the Ministry of Health, and National Research Agency to strengthen clinical trial infrastructure.

# ABG Collaboration and Successful Models of Collaboration in Indonesia

## Triple Helix Collaboration in the Innovation Ecosystem

Innovation ecosystem: new product development

**Academia**

Compliance  
Safety  
Quality  
Efficacy

**Business**

**Government**

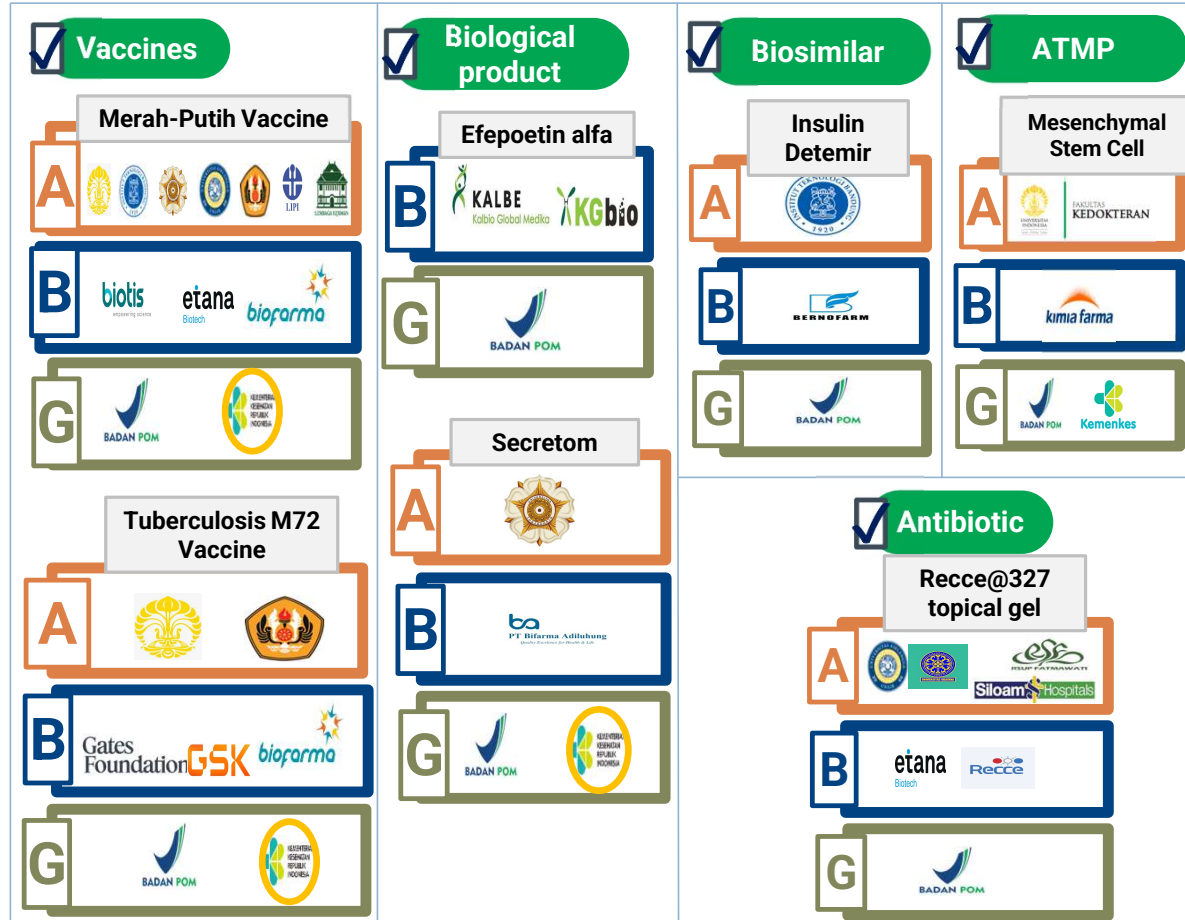
Downstream process of innovation and research results

Technology transfer

Support for upstream to downstream facilities and resources

Regulatory assistance from research to marketing authorization

Collaborate with Academia, Business Sector, and Other Government to support local production of Drug Development





# Way Forward



WLA achievement



Strengthen Regulatory Reliance and Global Collaboration



Enhance Regulatory Agility and Innovation Pathways



Support Local Industry and Self-Reliance and Strengthen the ABG Collaboration



Build Sustainable Capacity and Regulatory Excellence



