



Promoting Research and Innovation through Modern and Efficient Science and Techno Park (PRIME Step)

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2024

**Direktorat Kelembagaan
Direktorat Jenderal Pendidikan Tinggi, Riset & Teknologi
Kementerian Pendidikan, Kebudayaan, Riset & Teknologi**

Background

- ❁ Part of the vision and mission of the President of the Republic of Indonesia - Presidential Regulation of the Republic of Indonesia Number 2 of 2020 concerning the National Medium-Term Development Plan (RPJMN) for 2020-2024
- ❁ In the Major Project of RPJMN 2020-2024, the Science and Technology Park (Science Technology Park = STP) is managed by the State University with Legal Entity (PTNBH), namely
 - * STP Universitas Indonesia (STP-UI),
 - * STP Institut Teknologi Bandung (STP-ITB),
 - * STP Institut Pertanian Bogor (STP-IPB),
 - * STP Universitas Gadjah Mada (STP-UGM).
- ❁ Development of Science and Technology Park (Science Technology Park = STP)
 - ❁ To encourage downstreaming of research and innovation results for immediate utilization in the industrialization process.



Objectives



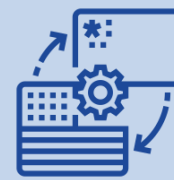
Development of science, technology and innovation with sustainable business potential;



Developing and nurturing technology-based startups

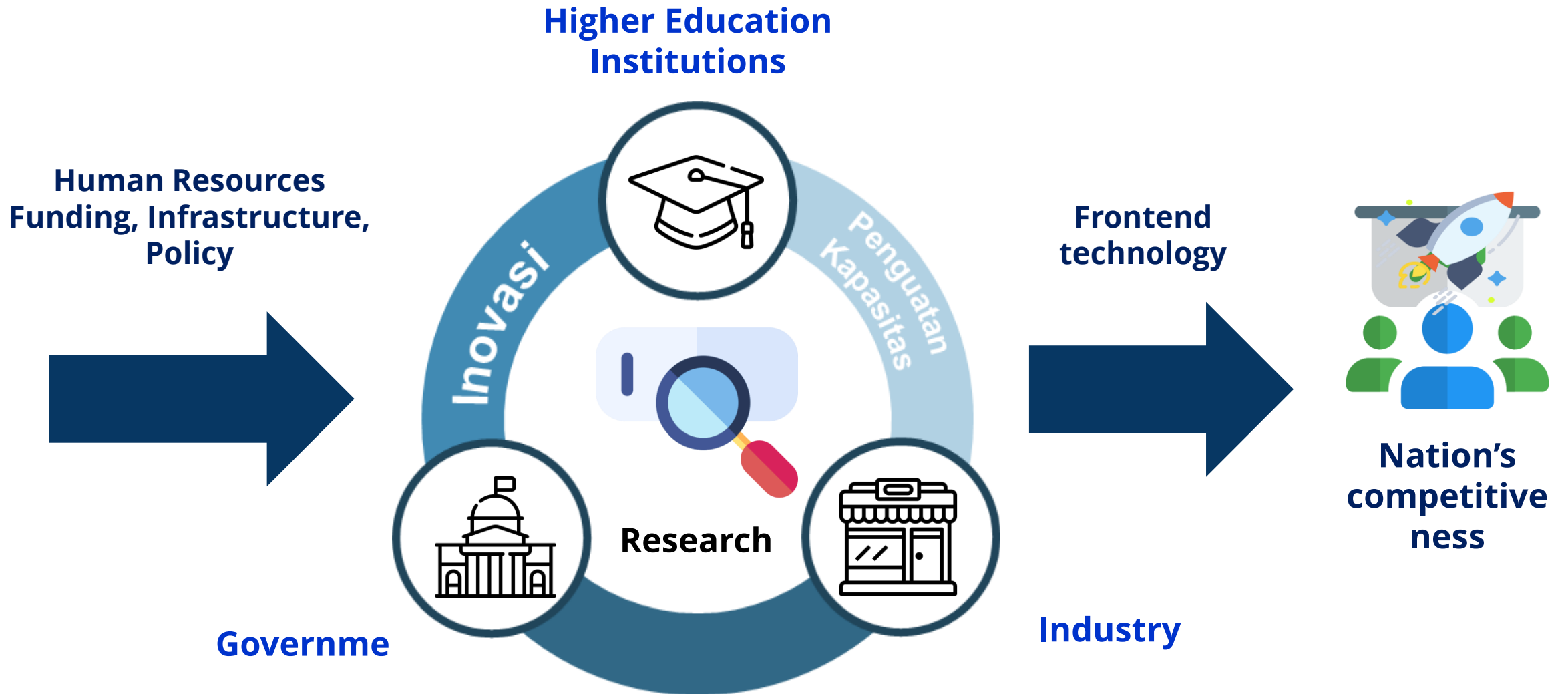


Services to industry inside and/or outside STP; and

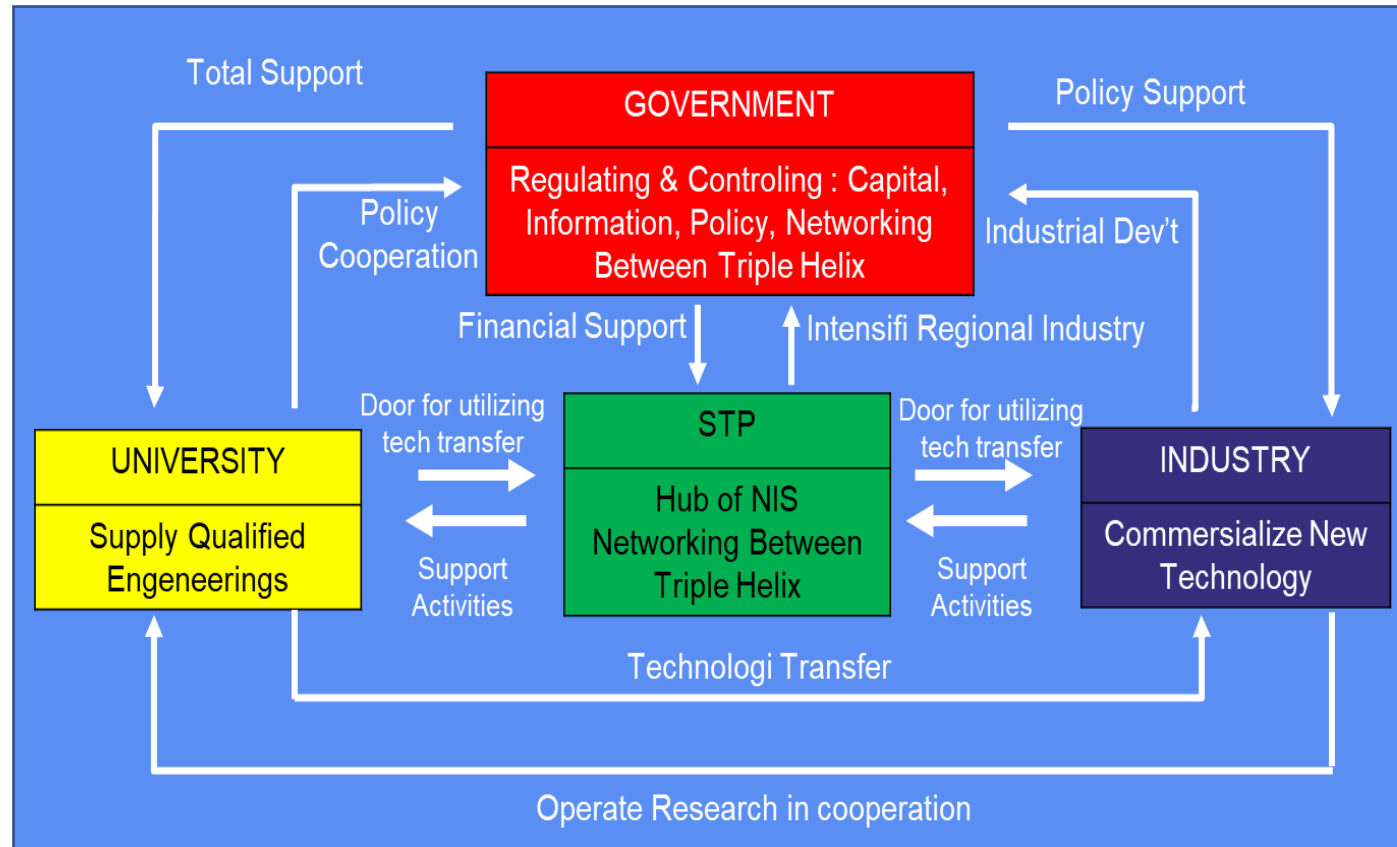


Technology transfer to SMEs/IKMs that have the potential to grow nationally and internationally.

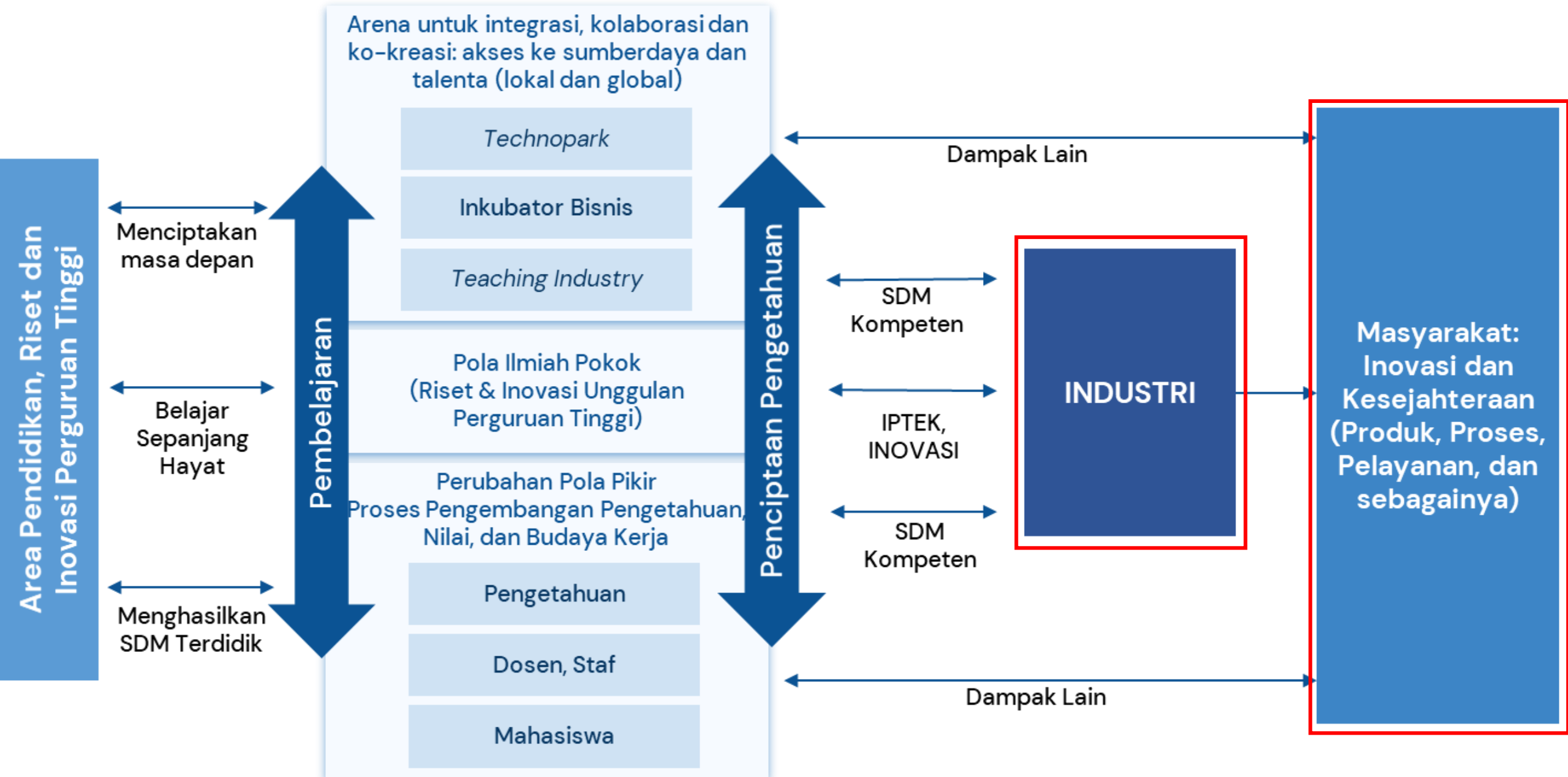
TRIPLE HELIX: innovation ecosystem



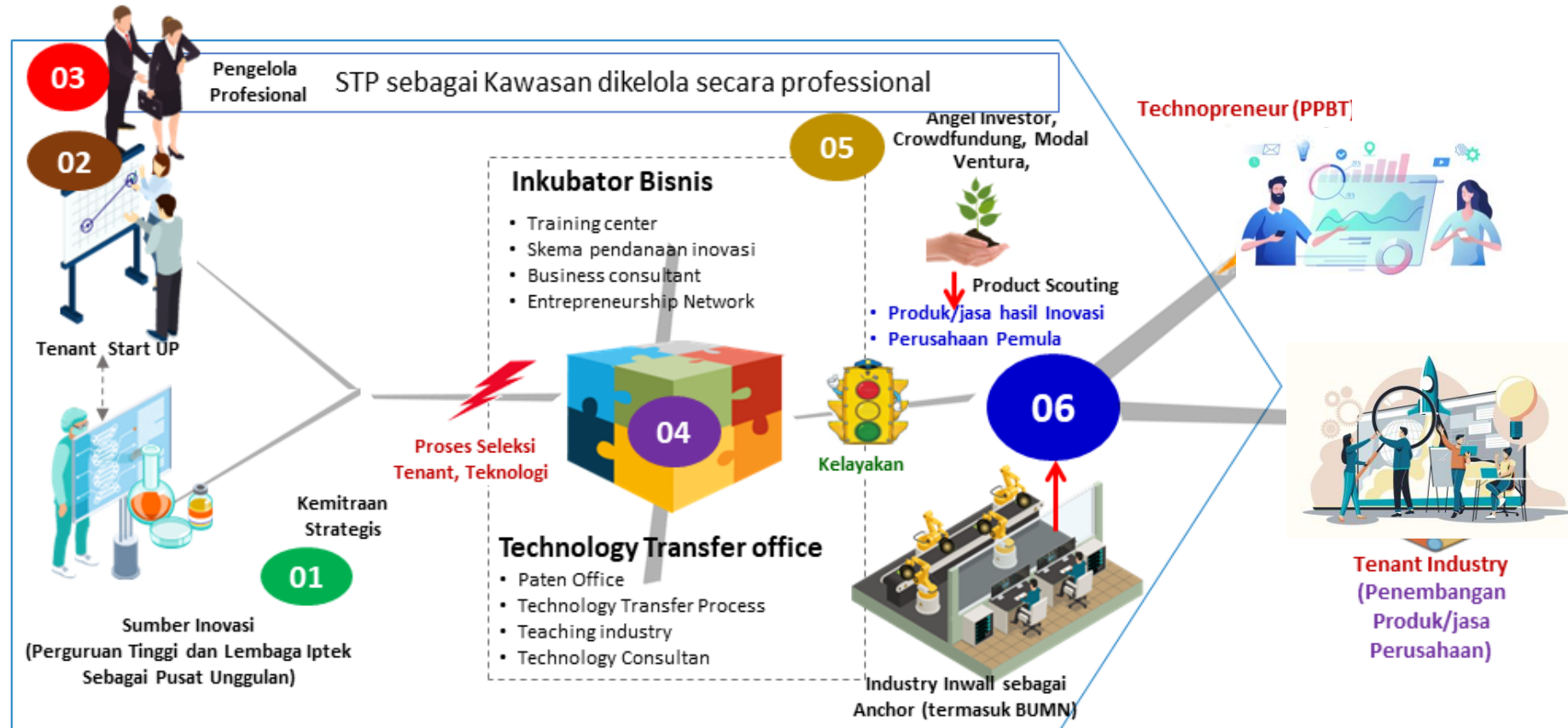
TRIPLE HELIX: innovation ecosystem



Innovation Ecosystem in HEIs



Triple Helix in Action





**Promoting Research and Innovation through Modern and
Efficient Science and Techno Park (PRIME Step)
(2023-2027)**



ASIAN DEVELOPMENT BANK






ADB No. 4272-INO PRIMESTEP



OUTCOME & OUTPUT

Quality and relevance of research and development and innovation system
in the four STPs improved

-  Developing 4 STPs from STP Madya to STP Utama as a national innovation hub in the triple-helix scheme;
-  Strengthening the research and development capabilities of each STP and the management of the innovation process;
-  Developing national innovation ecosystem centered on 4 STPs





OUTPUTS

2. The four science and technology parks research and development administration, partnerships, and startup incubation strengthened

- Prototype = 19
- Collaboration with international research center = 1



Beras analog sea fits



Sijaka



Minuman sari tempe (Chol)



Fish Collagen



Kentang PKHT



Body Scrab
Garam Rumput
laut



Bioluric



Turmic



Minuman Sari Lemon



Pakan dan telur
omega 3



Body lotion berbahan
dasar microsfer



Montewa body
care



MCC



Rhodinol



Zeolit filter antibakteri



Ecoskin



Petcover



Sereni tissue wanita

3. Inkubasi StarUp Grant



1 **BIOPS AGROTEKNO**

2 **Ecoplast.id**

3 **NASHO**

4 **Greenlabs**

5 **Karla Bionics**

6 **AntriQue**

INNOVATION STARTUP GRANT



Hasil Review Substansi Startup Grant 2023



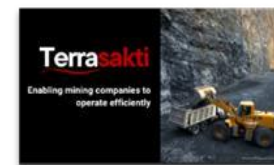
1. Banana & Partner
(Energi)
Score: 88



2. Inspirasi
(ALKES)
Score: 82,83



3. Kemedis
(ALKES)
Score: 79,83



4. Terrasakti
(MRTIK)
Score: 79,17



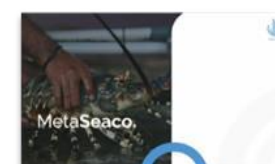
5. Helber (Stechoq)
(MRTIK)
Score: 78,67



6. Wujudkan
(Energi)
Score: 78,67



7. Lestari
(ALKES)
Score: 76,17



8. MetaSeaco
(AGRO)
Score: 75,33



9. Lokality Indonesia
(AGRO)
Score: 73,33



10. Fumalife Sinergi
(ALKES)
Score: 78,33

Tim Reviewer Substansi Startup Grant 2023

1. Sebastian Alex Dharmawangsa - Kominfo
2. Fani Pramuditya - Sekolah Vokasi UGM
3. Zaki Falimbany - Startup Codemy (Aditif)
4. Sais Matahari Farransahat - C-HUB Fisipol UGM
5. M. Genta Mahardhika - DEB UGM



ATM SEHAT
Kit

IOT 4.0 to Digitalize Your Health Services



yourbestie

make it easy

**Students Services
Market Place in
Indonesia**



integratedfarming.id

**Sustainable
Agriculture • Digital
Agriculture • Green
Economy**

Printbox

**1st Vending
Machine Print**

2023 Startups

IPB Startup
LOKASOKA.com: Platform Ekosistem Bisnis UMKM dan B2B
Female in Action Apps (Penyembuhan diri dan layanan produktivitas untuk wanita)
Cleansheet: Startup Jasa Kebersihan Berbasis Pemberdayaan
Kerjasama Digital Marketing Until Closing
PELITADESAEXPORT.COM: Akselerasi Ekspor Industrial Berbasis Masyarakat
Tepung Premiks Gluten Free dan Plant Based
Camilan Kekinian Berbasis Perikanan untuk menyediakan Menu Makanan Sehat Olahan Perikanan untuk Keluarga
Program Penggemukan Domba untuk Jasa Layanan Aqiqah Bens Farm
Penerapan Circular Economy Berbasis Pengolahan Sampah Organik dengan Teknologi Biokonversi Maggot
Nationwide Fisheries Cold Chain Network
SCALE UP Industri Produk Skincare Natural-Organik
Pengembangan Produk Herbal untuk Penyakit Tidak Menular
Sustainable Fashion Eco-printing dan Pewarna Alam
Pewangi Ruangan yang Berfungsi Sebagai Animal Repellent, Natural Home Pest Control Tanpa Racun

ITB Startup
Biops
Nasho
Ecoplast
Karla Bionics
Green Labs
Antrique

UGM Startup
Banana & Partner
Fumalife Sinergi
Helber
Inspirasien
Kemedis
Lestari
Lokality Indonesia
MetaSeaco
TerraSakti
Wujudkan
Bantu Ternak Indonesia
Karya Utama Gama
Gama Inovasi Berdikari
Pagilaran
Radio Swara
Gajah Mada
Swayasa Prakarsa

UI Startup
Id-Caldera: Indonesia's Cardiovascular Risk Stratification in Diabetes Using Smartphone- Based Retinal Imaging.
One P'tise - Ekosistem Teknologi Penunjang Produktivitas Pertanian (Agitech) with solar panel
Hibrid Wind Turbine and Solar Panel
Monokrom: Jaket Dualfungsi.
Pharm.Ex
Adapto.ID
Aplikasi UMKM Perbengkelan Rakyat "Bengkel Kita".
Degradable Biopolimer Bahan Lokal untuk Medis.
GetEat: Foodwaste technology
Propolis Shampoo
LATIH - Actiuitg Kit for children
Si-Cuhal – Rain Information System
Brain Analysis apps
Telehealth apps for early detection
Mini Container for remote areas
Lentera Kata: Platform Digital for Ind. literature
Langing Academy: One Stop Service for AI, DS, NLP, and CV Education Needs.
Alstutater: Portable Water Vending Machine.
Foodiewell: Diet plan apps
Toonesia: asset for digital comic
PRINTBOX

2024 Startups

IPB Startup

PT Biomag Sinergi Int
PT. Ecodoe Widya Candia Internasional (Lokasoka)
CV. Pelita Desa
PT. SanGreat Natural Indonesia
PT. Tripta Abyapta (Bens Farm)
PT Sugeng Jaya Grup
CV. Sanfood Indonesia
PT Sutan Vet Medika
Planteria.id (CV Inovasi Anak Indonesia)

ITB Startup

FishGator
[IAM.id](#)
EBM Scitech
[prosa.ai](#)
Habibi Garden
NASHO
AntriQue
Greenlabs Indonesia

UGM Startup

Arsinggaru
ATTEMPE
Banoo
Gema Phala Ananta
Glucosweet
IEM
Joglo farm
PT Tripower Solar Nusantara
STB Pellet
Waste&Wishes Indonesia

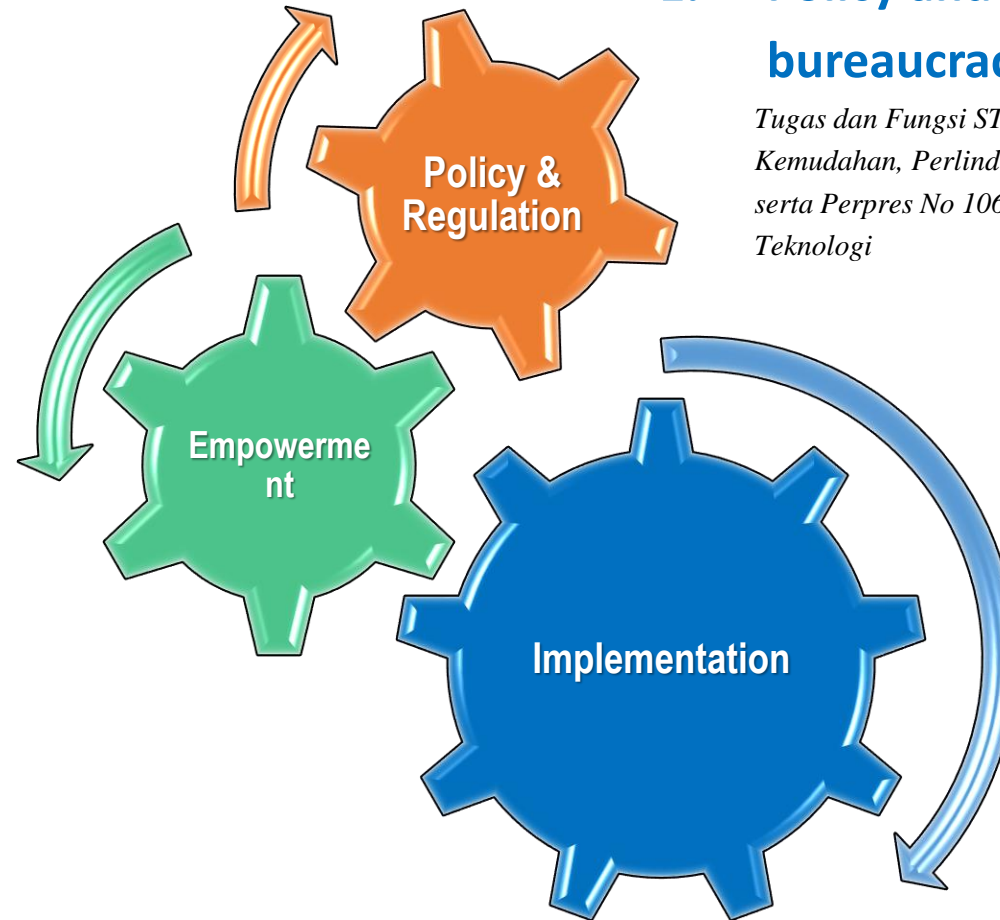
UI Startup

Laboratory Hub
ATM Sehat
Catch
Tautan

Defining Factors

2. Empowerment

- Capacity of management
- Capacity of human resources
- Organization
- Infrastructure
- Funding



1. Policy and Regulation (changing bureaucracy)

Tugas dan Fungsi STP/Inkubator menurut PP No 7 tahun 2021 tentang Kemudahan, Perlindungan, dan Pemberdayaan Koperasi dan UMKM, serta Perpres No 106 tahun 2017 tentang Kawasan Sains dan Teknologi

3. Implementation

- Penta Helix
- Collaboration & network
- Funding
- QA & Maturity