INSTITUT TEKNOLOGI BANDUNG
University Secretary
INDONESIA

37 Provinces
Capital City: Jakarta, West Java Province

275 Million Population
BPS, 2022
History Diagram

1919
Technische Hoogeschool (TH) was established in Bandung

1940s
Institut Teknologi Bandung became Kogyo Daigaku

1945
Faculty of Mathematics and Natural Sciences was established (part of Universitas Indonesia)

1959
Centennial Commemoration (100th year anniversary) of ITB as the oldest technical university in Indonesia

1950
Institut Teknologi Bandung (ITB) or Bandung Institute of Technology was founded

2009
Golden Jubilee (50th anniversary) of Institut Teknologi Bandung

2010
ITB as State University with Legal Entity (PTN-BH)

2013
Bosscha Observatory's Centennial Anniversary
Bosscha Observatory is the first and largest observatory in Southeast Asia

2023

2045
ITB in the 100 years of Indonesia's independence

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ITB campuses:

- **ITB Ganesha Campus** (29 hectares)
- **ITB Jatinangor Campus** (40 hectares)
- **ITB Cirebon Campus** (70 hectares, in construction)
- **ITB Jakarta Campus** (Indorama, 10th and 11th floor)
ITB’s Four Pillars

1. School of Architecture, Planning and Policy Development
2. School of Business and Management
3. School of Electrical Engineering and Informatics
4. School of Life Sciences and Technology
5. School of Pharmacy
6. Faculty of Arts and Design
7. Faculty of Civil and Environmental Engineering
8. Faculty of Earth Sciences and Technology
9. Faculty of Industrial Technology
10. Faculty of Mathematics and Natural Sciences
11. Faculty of Mechanical and Aerospace Engineering
12. Faculty of Mining and Petroleum Engineering
13. Graduate School

**12 Schools/Faculties + 1 Graduate School**

**134 Study Programs**

**114 Research Groups**
6 International Undergraduate Programs (2023)

19 International Track Programs (2023)

55 International Master’s Programs (2023)

28 International Doctor’s Programs (2023)
Number of Students
(in 2023)

Total
26,000

Source:
Directorate of Education & Directorate of Human Resources, May 2023

Number of Staff
(in 2023)

Total
2,712

1292
1420

 Administrative Staff
Academic Staff
MODULTRAX™ (Modular Utility Transport – Exo Terrain) is a mobility platform based on MPS (Mimicry, Process, System) for farming.

**3D Surface-Borehole Tomography**

Induced Polarization & Resistivity and Magnetotelluric

Prof. Dr. Eng. R. Bagus Endar Bachtiar Nurhandoko

**Implications for megathrust earthquakes and tsunamis from seismic gaps south of Java, Indonesia**

The results support recent calls for a strengthening of the existing Indonesian Tsunami Early Warning System (InTEWS), especially in Java, the most densely populated island in Indonesia.

**Global Navigation Satellite System (GNSS) subsidence observations along the northern coastline of Java, Indonesia**

**Tsunami Modelling for Predicting Megathrust Earthquakes on South of Java**
Number of International Academic Partners in 2023

Total: 765

Source:
International Relations Office, May 2023
Origin Countries:

- Africa (Ethiopia, Gambia, Libya, Madagascar, Egypt, Nigeria, Rwanda, Sudan, Tanzania, Zimbabwe, Algeria)
- Central and South Asia (Iran, Palestine, Yemen, Pakistan, Afghanistan, Bangladesh, India)
- East and Southeast Asia (Malaysia, Timor Leste, Vietnam, Brunei Darussalam, Philippines, Laos, Thailand, China, Japan, South Korea, Taiwan, Singapore)
- Europe (Austria, Netherland, Czech Republic, Denmark, Ireland, Germany, Lithuania, France, Romania, Spain, Sweden, Switzerland, Russia)
- (North) America (United States, Canada, Mexico)
ITB – International Partners and Consortium

Interweave (Erasmus Mundus Partnership Asia-Europe), World Renewable Energy Network; The ASEAN University Network/Southeast Asia Engineering Education Development Network (AUN/SEED-Net); Resolution for International Cooperation & the Joint Research Work; EMILYA - European Programme for International Mobility with Asia; SEATUC (South East Asian Technical University Consortium); ASIA-UNINET, Global Engineering Education Exchange (GE3); Asia Technological University Network (ATU-NET); ASEAN International Mobility for Student Programme (AIMS), Asia-Oceania Top University League on Engineering (AOTULE); Association of Southeast Asian Institution of Higher Learning (ASAIHL); Global Technology Initiative (GTI); Population-Activities-Resources-Environment (PARE); President’s forum of Southeast Aria and South Asia and Taiwan University (SATU); Swiss-ASEAN Learning and Teaching (SALT); University Consortium on the 21st Century Maritime Silk Road (UCMSR); UK Indonesia Consortium for Interdisciplinary sciences (UKICIS).
Potential Collaboration

- International Students Outing
- Research Collaboration
- Double Degree
- Faculty and student Exchange
- Other types of collaboration (e.g. co-supervision, visiting professors)
Potential Collaboration

Interdisciplinary Collaboration

ITB and Universitas Padjajaran established collaboration in the field of education and health technology development.
ITB INTERNATIONAL INBOUND SHORT-TERM EXCHANGE PROGRAM

Science, Technology, and Art in Local Uniqueness of Indonesia:
Exploring Challenges and Advances with ITB

STUDENT EXCHANGE WITH ADDED VALUE

• ITB is one of the best universities in Indonesia and Asia with strong academic reputation and research atmosphere.
• ITB globally recognized in the fields of natural and human sciences, engineering, art and design, and business and management.
• ITB’s motto is “Globally Respected, Locally Relevant”.
• ITB organizes an international inbound semester exchange program: academics programs + cultures and geographies of Indonesia.
Potential Collaboration
International Virtual Courses

Short-term Programs:

• Placemaking and Social Experiment (Bachelor/Master, 6 months/Summer School 2 weeks online/2 weeks offline)
• Industrial Visits from Faculty of Mechanical and Aerospace Engineering (Bachelor/Master, 1 day-1 week)
• Developing Electricity & Telecommunication Infrastructure
• Engineering Intervention for Foster Villages – Community Development (Bachelor, 1-2 months)
• Social Entrepreneurship: sustainable Business in Indonesia (Bachelor, 2-3 weeks)
• Doing Business in Indonesia: Exploring Creative Industries (Bachelor/Master, 2-3 weeks)

Course Packages:

• Indonesian Visual Culture (Bachelor)
• Advances in Medical Biotechnology (Advanced Bachelor)
• Sustainable Aquaculture and Tropical Agriculture (Advanced Bachelor)
• Modern and Herbal Medicine: Indonesian Perspectives (Advanced Bachelor)
• Developing Electricity & Telecommunication Infrastructure in Rural Areas (Bachelor/Master)
• Ecological Design (Bachelor/Master)
• Tropical Green and Sustainable Architecture of Indonesia (Master)
• Sustainable Infrastructure (Advanced Bachelor/Master)
• Planning and Designing Cities in the Global South (Final Year Bachelor)
• Sensors Technology for Industry 4.0 (Advanced Bachelor)
UNIQUE COURSE PACKAGE

Short-term Programs

- Placemaking and Social Experiment (Bachelor/Master, 6 months/Summer School 2 weeks online and 2 weeks offline)
- Developing Electricity & Telecommunication Infrastructure
- Industrial Visits from Faculty of Mechanical and Aerospace Engineering (Bachelor/Master, 1 day-1week)
- Engineering Intervention for Foster Villages - Community Development (Bachelor, 1-2 months)
- Social Entrepreneurship: Sustainable Business in Indonesia (Bachelor, 2-3 weeks)
- Doing Business in Indonesia: Exploring Creative Industries (Bachelor/Master, 2-3 weeks)

*For those interested in taking a fixed set of courses on a specific theme*
# List of Partnerships ITB - University of Tsukuba

<table>
<thead>
<tr>
<th>Years</th>
<th>Institution</th>
<th>Country</th>
<th>Scope</th>
<th>PIC of ITB</th>
</tr>
</thead>
<tbody>
<tr>
<td>2022</td>
<td>University of Tsukuba</td>
<td>Japan</td>
<td>Visiting Professor</td>
<td>FSRD (Faculty of Arts and Design)</td>
</tr>
<tr>
<td>2022-2026</td>
<td>East China Normal University - Institut Teknologi Bandung - Khon Kaen University - Korea National University of Education - University of Tsukuba</td>
<td>China, Indonesia, Thailand, South Korea, Japan</td>
<td>CAMPUS Asia Program (Student Exchange) - MoU</td>
<td>Prof. Brian Yuliarto (Faculty of Industrial Technology)</td>
</tr>
<tr>
<td>Recent</td>
<td>University of Tsukuba</td>
<td>Japan</td>
<td>Professor Exchange, Students Exchange, and Joint Workshop</td>
<td>Prof. Brian Yuliarto (Faculty of Industrial Technology)</td>
</tr>
</tbody>
</table>
Collaboration ITB - Osaka University 2021 to 2023

- **International Symposium in Biotechnology (ISBIO) 2023**
- Graduate School ITB Visit in February 2023
- Partnership in Covid-19 research and development with Research Institute for Microbial Diseases (RMID) in 2021
Collaboration ITB – Osaka University 2015 to 2019

• School of Life Sciences and Technology **Teleconference Biotechnology Lecture Series** in 2019.
• Faculty of Mathematics and Natural Sciences Joint Workshop in 2019
• School of Life Sciences and Technology **Join Campus in Nanotechnology and Biotechnology** in 2017.
• Faculty of Mathematics and Natural Sciences Double Degree Program in 2015.
## List of Partnerships ITB-Osaka University

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<th>Years</th>
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<th>Scope</th>
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<tbody>
<tr>
<td>2011-2017</td>
<td>Osaka University</td>
<td>Collaborative research, lectures, symposiums, etc., and exchange of researchers; Exchange of information and materials in those fields which are of interest to both parties; Exchange of undergraduate and graduate students. - MoU</td>
<td>Prof. Tati Latifah Erawati Rajab (SEEI)</td>
</tr>
<tr>
<td>2017-2022</td>
<td>Osaka University</td>
<td>The Agreement on Academic Exchange - MoU</td>
<td>Prof. Hermawan K. Dipoyoono (FIT)</td>
</tr>
<tr>
<td>2017-2018</td>
<td>Osaka University</td>
<td>Agreement Pertaining to Cross-Appointment - MoA</td>
<td>Dr. Fenny Martha Dwivany (SLST)</td>
</tr>
<tr>
<td>2018</td>
<td>Osaka University</td>
<td>Agreement Pertaining to Cross-Appointment - MoA</td>
<td>Dr. Fenny Martha Dwivany (SLST)</td>
</tr>
<tr>
<td>2018-2022</td>
<td>Osaka University</td>
<td>Addendum for Joint Campus to the Agreement on Academic Exchange - MoA</td>
<td>Prof. Nyoman Aryantha (SLST)</td>
</tr>
<tr>
<td>2020-2022</td>
<td>Osaka University</td>
<td>Addendum to the Student Exchange Agreement for Osaka University - MoA International Certificate Program (OUICP)</td>
<td>Dr. Wahyu Srigutomo (FMNS)</td>
</tr>
<tr>
<td>2021-2026</td>
<td>Osaka University</td>
<td>Research and Academic Cooperation - MoU</td>
<td>Prof. Supriyadi (GS)</td>
</tr>
<tr>
<td>2021-2026</td>
<td>Osaka University</td>
<td>Student Exchange - MoA</td>
<td>Prof. Supriyadi (GS)</td>
</tr>
<tr>
<td>2022-2027</td>
<td>Graduate School of Engineering/International Center for Biotechnology</td>
<td>Academic Exchange - MoU</td>
<td>Prof. Supriyadi (GS)</td>
</tr>
<tr>
<td>2022-2027</td>
<td>Graduate School of Engineering/International Center for Biotechnology</td>
<td>Student Exchange - MoA</td>
<td>Prof. Supriyadi (GS)</td>
</tr>
<tr>
<td>2023-2028</td>
<td>Osaka University</td>
<td>Addendum to the Student Exchange Agreement for Osaka University International Certificate Program (OUICP) - MoA</td>
<td>Prof. Supriyadi (GS)</td>
</tr>
</tbody>
</table>

**Note:** (On going cooperation between School of Life Sciences and Technology ITB – Osaka University)

1. Double Degree Program, Graduate School of Engineering. Osaka University with Biotechnology Study Program
2. Research Collaboration, Prof Eiichiro FUKUSA and Prof Pingkan Aditijawati & Team : Joint Publication, Joint Symposium, Honorary Professor (Prof Eiichiro FUKUSA) dan Adjunct Professor (Assoc. Prof Sastia Prama Putri).
3. Research Collaboration, Prof Yoshiharu Matsuura (RIMD) and Prof Marselina Irasonia Tan.
Collaboration ITB–Kyoto University 2021 to 2022

- Kick Off Meeting Program Science and Technology Research Partnership for Sustainable Development (SATREPS) in 2022

- School of Life Sciences and Technology, Agrotechnology and Bioproduct Technology Research Group, launches Virtual Visiting Professor Program 2021
Collaboration ITB – Kyoto University 2017

MoU Signing with SITH (School of Life Science and Technology) in 2017
### List of Partnerships ITB-Kyoto University

<table>
<thead>
<tr>
<th>Years</th>
<th>Institution</th>
<th>Scope</th>
<th>PIC of ITB</th>
</tr>
</thead>
<tbody>
<tr>
<td>2006-2011</td>
<td>Kyoto University</td>
<td>Exchange of scientific materials, publications, and information; Exchange of faculty members; Exchange of students; Joint research and meetings for research - MoU</td>
<td>Bureau of Partnerships</td>
</tr>
<tr>
<td>2008</td>
<td>Global Center of Excellence, Kyoto University</td>
<td>GCOE Joint Research and Education Center - MoA</td>
<td>Bureau of Partnerships</td>
</tr>
<tr>
<td>2013-2018</td>
<td>Kyoto University</td>
<td>Double Master's Degree Program - MoA</td>
<td>Directorate of Partnership and International Relations</td>
</tr>
<tr>
<td>2016-2021</td>
<td>Kyoto University</td>
<td>Student Exchange Agreement - MoA</td>
<td>Dr. Tatacipta Dirgantara (DKHI)</td>
</tr>
<tr>
<td>2019-2024</td>
<td>Kyoto University</td>
<td>Double Master's Degree Program - MoA</td>
<td>DKHI</td>
</tr>
<tr>
<td>2020-2025</td>
<td>Kyoto University</td>
<td>Student Exchange Agreement - MoA</td>
<td>Andika Putra Pratama, Ph.D (IRO)</td>
</tr>
<tr>
<td>2021-2026</td>
<td>Kyoto University</td>
<td>Project SATREP/JICA with Kyoto University disaster center</td>
<td>Dr. Mohammad Farid (FCEE)</td>
</tr>
</tbody>
</table>

**Note:** (On going cooperation between School of Life Sciences and Technology ITB – Kyoto University)

Double Master’s Degree Program, The Graduate School of Agriculture, Kyoto University with Master’s Degree in Biology or Master’s Degree in Biomanagement, School of Life Sciences and Technology ITB
Bandung, West Java

Population
2.5 million
(11 million for Greater Bandung)

Tea Plantation (Ciwidey), Kawah Putih/White Crater (Lembang), Gedung Sate (Bandung City)
Thank You!

Stay protected, stay safe, stay productive!

- In harmonia progressio -