



Engineering for **Sustainability** Institut Teknologi Bandung November 6-8 2024







Photo of Power plant in Cirata Reservoir the largest in southeast Asia



18th Asia Oceania Top University League on Engineering **"Engineering for Sustainability"**



Hosted by Institut teknologi Bandung

Participating Universities





Message From the Hosting Dean

Dear Esteemed Colleagues and Students,

It is with great pleasure that I extend a warm welcome to the participants of Asia-Oceania Top University League on Engineering or AOTULE 2024 "Engineering for Sustainability" gathering in the vibrant city of Bandung from November 6th to 8th, 2024. AOTULE 2024 is jointly hosted by five faculties and schools of Institut Teknologi Bandung (ITB): Faculty of Civil and Environmental Engineering, Faculty of Mechanical and Aerospace Engineering, School of Electrical Engineering and Informatics, Faculty of Industrial Technology, and Faculty of Mining and Petroleum Engineering

Founded in 1920, ITB is Indonesia's oldest and most prestigious technical university, renowned for its excellence in engineering, science & technology, and art & design. It is an honour for us to host this year's AOTULE event, an initiative that has been instrumental since its establishment in 2007 in strengthening collaborations among leading engineering institutions across Asia and Oceania.

AOTULE 2024 represents a significant opportunity to further foster collaboration and innovation across our region's top universities. As the chair of this prestigious event, I am honoured to bring together distinguished Deans and academic leaders for the Deans' Meeting, where meaningful dialogues on advancing engineering education and research are taking place. Concurrently, the Student Conference provides a dynamic platform for our brightest minds to share their cutting-edge research, exchange ideas, and build networks that shape the future of engineering. The event includes a series of engaging sessions and activities designed to stimulate intellectual growth and celebrate the diverse cultures and perspectives that enrich our academic community. Your participation is integral to the success of this event, contributing to the innovative thinking and lasting partnerships that define AOTULE.

In hosting AOTULE 2024, ITB is committed to not only advancing our collective academic goals but also to strengthening the bonds among our member institutions. It is our hope that through this event, we can further enhance our cooperation, deepen our mutual understanding, and continue to build a strong, interconnected network that benefits all members of AOTULE.

Thank you for your continued support and commitment to advancing engineering education and research.

Yours sincerely, Prof. Edwan Kardena Dean, Faculty of Civil and Environmental Engineering Institut Teknologi Bandung Chair, AOTULE 2024 "Engineering for Sustainability"



Prof. Ir. Edwan Kardena, Ph.D. Faculty of Civil and Environmental Engineering



Student Activities

The AOTULE 2024 student project aims to bring together engineering students from various countries and universities to collaborate on cross-national approaches to global sustainability challenges. Given the diversity in the participants' backgrounds, both in terms of countries and engineering disciplines, the project seeks to foster knowledge-sharing and understanding of different engineering practices. The students will work in small, multinational groups of 4-5 people, and each group will be assigned a specific topic related to sustainable engineering, such as renewable energy, waste management, or sustainable transportation. Over the course of the three-day event, students will visit various locations in Bandung to observe local sustainability practices, which will provide them with practical insights and opportunities to compare how different countries address similar challenges.

The project emphasizes teamwork, creativity, and practical solutions to global and local sustainability issues. Each group will present their findings and proposed solutions to a panel of judges, with presentations lasting 20-30 minutes, including a Q&A session. The best groups will be selected to present in front of the Deans, who will ultimately choose the top group based on criteria such as relevance to the theme, innovation, collaboration, and communication. The project will commence two weeks prior to AOTULE 2024, during which students will engage in online discussions before the event. The goal of the project is not only to produce innovative ideas but also to foster cross-national learning and contribute to global sustainability goals.

The general schedule is as follows: October 30, 2024: Project kickoff (online) November 6, 2024: Student visits to local sites in Bandung (Djuanda Forest Park, Mini Hydro Power Plant, Surrounding Communities near ITB) November 7, 2024: Student group presentations and award ceremony

Student Conference Rundown

| Day, date | Venue | Time | Activity |
|-------------------------------|--|---------------|--|
| | | 08.15 - 08.30 | Registration; Pembagian Name Tag dan Souvenir |
| | CRCS Multipurpose Hall | 08.30 - 08.35 | Opening from MC |
| | | 08.35 - 08.40 | Singing Indonesia Raya |
| | | 08.40 - 08.45 | Safety Induction |
| | | 08.45 - 08.50 | Address by the Chair of AOTULE Steering Committee |
| | | 08.50 - 09.00 | Welcoming remarks by Rector |
| | | 09.00 - 09.15 | Cultural Performance |
| | | 09.15 - 09.30 | Group Photo |
| Wednesday, |) | 09.30 - 09.45 | Coffee Break |
| November, 6, 2024 | | | Student leave the hall to join student activity |
| | Djuanda Forrest Park, Mini Hydro Power Plant, Neighborhood villages around ITB | 09.45 - 14.00 | Student Workshops/Activities |
| | - Start Contential - Start | 14.00 - 16.00 | Group Discussion |
| | ITB | 16.00 - 17.30 | Campus Tour |
| | | 17.30 - 19.00 | Dinner and entertainment |
| | Multipurpose Hall Djuanda Forrest Park, Mini Hydro Power Plant, Neighborhood villages around ITB | 08.00 - 10.00 | Student Group Presentation (10 mins Presentation, 5 mins for Q&A) |
| | | 10.00 - 11.30 | Judge Meeting to nominate top 4 presentation |
| | | 11.30 - 13.00 | Lunch break |
| Thursday, November 7, 2024 | | 13.00 - 14.00 | Top 4 Student presentation, grade processing for Top 4 Student Presentation |
| | | | Award Ceremony |
| | | 14.00 - 14.30 | Coffee Break |
| | | 14.30 - 15.00 | Closing Remarks |
| | | 15.00 - 18.30 | Saung Angklung Udjo |
| Friday, November 8, 2024 | Ciwidey | 08.00 - 16.00 | Tour to White Crater and Deer Feeding |

Deans Meeting Rundown



| Day, date | Venue | Time | Activity |
|---------------------------------|--|--|--|
| Wednesday, November, 6, 2024 | CRCS Multipurpose Hal | 08.15 - 08.30 | Registration; Pembagian Name Tag dan Souvenir |
| | | 08.30 - 08.35 | Opening from MC |
| | | 08.35 - 08.40 | Singing Indonesia Raya |
| | | 08.40 - 08.45 | Safety Induction |
| | | 08.45 - 08.50 | Welcoming remarks by Rector |
| | | 08.50 - 09.00 | Address by the Chair of AOTULE Steering Committee and brief the conference schedule |
| | | 09.00 - 09.15 | Opening |
| | | 09.15 - 09.30 | Group Photo |
| | | | |
| | | 10.00 | Deans meeting: 5 Mins Institution Overview and 10 Mins Conference Theme Presentation Per Institution |
| | | 10.00 - 10.45 | University of Moratuwa, Sri Lanka |
| | | 10.45 - 11.00 | Chulalangkorn University |
| | | 11.00 - 11.15 | Hanoi University of Science and Technology, Vietnam |
| | | 11.15 - 11.30 | Indian Institute of Technology Madras, India |
| | | 11.30 - 11.45 | Korea Advanced Institute of Science and Technology, Korea |
| | | 11.45 - 13.00 | Lunch |
| | 5055 () II | 13.15 - 13.30 | Nanyang Technological University, Singapore |
| | CRCS conference hall | 13.30 - 13.45 | National Taiwan University, Taiwan |
| | | the second s | |
| | | 13.45 - 14.00 14.00 - 14.15 | The Hong Kong University of Science and Technology, Hong Kong The University of Melbourne, Australia |
| | | 14.15 - 14.30 | Tokyo Institute of Technology, Japan |
| | | 14.30 - 14.45 | Tsinghua University, China |
| | | 14.45 - 15.00 | University of Malaya, Malaysia |
| | | | Institut Teknologi Bandung |
| | | 15.00 - 15.15 | |
| | | 15.15 - 15.30 | Coffee Break |
| | | 15.30 - 16.15 | Open Discussion |
| | | 15.30 - 16.30 | Campus Tour |
| | | 16.30 - 17.30 | Steering Committee Meeting: |
| | | | - Round Table Discussion on the selected topics under the main theme with |
| | Hotel Meeting Room | | participants and industry collaborators |
| | . Interneting noon | | - Minutes of Previous AOTULE Conference of 2022 |
| | | | - Call for expressions of interest for 2025 AOTULE Conference |
| | | | - 2025 Host selection, plan, and suggestions for further projects |
| | Hotel Ball Room (sheraton/Swiss/ intercontinental) | 19.00 - 22.00 | AOTULE Gala Dinner |
| | | 08.00 - 09.00 | Opening remark by Chairman of AOTULE Steering Committee and the Distribution of Token Appreciation |
| | | 09.00 - 11.30 | Student Group Presentation (10 mins Presentation, 5 mins for Q&A) |
| Thursday, November 7, 2024 | CRCS multipurpose hall | 11.30 - 11.45 | Open forum for students' Q & A for Deans and Staff |
| | | 11.45 - 13.00 | Lunch break and grade processing |
| | | 13.00 - 13.30 | Award Ceremony |
| | | 13.30 - 15.00 | Coffee Break |
| | | 15.00 - 15.15 | Closing Remarks |
| | | 15.15 - 15.30 | Vote of Thanks |
| | | | End of Conference |
| F.d. | Lembang/Ciwidey | 08.00 - 14.00 | Tour |
| Friday, November 8, 2024 | a constant gr entries y | 00.00 11.00 | |



ABOUT ITB

Institut Teknologi Bandung (ITB) is located in the north part of Bandung, the capital city of West Java province; a city famous for its relatively cool and pleasant climate. A simple account of the city of Bandung prior to the establishment of ITB Campus seems to be necessary to illustrate the atmosphere of the land of Parahyangan at the time. Bandung was previously a small village in Parahyangan. The name "Parahyangan", originates from Sundanese meaning the land of gods, which probably refers to the north of present day Bandung in the Tangkuban Perahu Mountain area.

HISTORY OF ITB

Technische Hoogeschool

The first name of ITB was Technische Hoogeschool (TH) / Technical College. TH was officially started on July 3rd, 1920, refuting the general belief that Indonesia was not ready to have universities at that time. In the following years, TH inspired new universities to open, e.g. the Jakartabased Law College in 1924 and Stovia (School tot Opleiding van Indische Artsen) in 1927.

Bandung Kogyo Daigaku And STT Bandung

Shortly before Japanese occupation, TH was temporarily closed down because all of its professors had been forced to join the military. On April 1st, 1944, the Japanese military government reopened TH under the new name: Bandung Kogyo Daigaku. Following the Declaration of Indonesian Independence in 1945, Bandung Kogyo Daigaku came to an end, and the technical university of TH was reopened under the name of Bandung Technical College (STT Bandung). Amid the tense atmosphere of the independence revolution, STT Bandung was moved to Yogyakarta as all of its lecturers and staffs were ordered to take refuge. Due to the attack of Dutch soldiers on Yogyakarta, STT-Bandung was closed down in December 1948, and was reopened in 1949 with only the Civil Department operating.

Finally, following the establishment of Gadjah Mada University in 1949, STT Bandung was integrated to the new university as its technical department.

ITB as a Branch of University of Indonesia (UI)

Meanwhile, on June 21st, 1946, Nood Universiteit (Temporary University) in Jakarta was established, and then the name became Universiteit van Indonesie (University of Indonesia). At the same time, TH Bandung was also restarted not in the form of an autonomous college, but as a faculty of University of Indonesia, called Faculty of Technical Science. Since ITB's opening, the name has changed several times.

Preliminary Master Plans Of Ganesha Campus

The establishment of ITB campus was initiated by a European/Dutch philanthropic group. The General Governor of the Dutch East Indies, Mr. J.P. Graaf van Limburg Stirum, officially opened its campus on July 3, 1920. ITB campus was originally adjacent to Jalan Ganesha on the south side and Jalan Tamansari on the west and north side; and now it has been expanded to Lebak Siliwangi along Jalan Tamansari.

"THE ESTABLISHMENT OF ITB CAMPUS WAS INITIATED BY A EUROPEAN/DUTCH PHILANTHROPIC GROUP"

In its early years, ITB was operating with a curriculum that was equivalent to one used at the University of Delft. Ganesha campus (ITB campus), which was built in 1920, is located near the Cikapundung river banks and surrounded by the green rice fields of Lebak Siliwangi and the beautiful scenery of Tangkuban parahu. This beautiful natural composition inspired Henri Maclaine Pont, the first master planner of this campus, to determine an imaginary axis as a basic binding element of mass and space. This basic concept is continually maintained through generations in developing the campus master plan.

ITB complex was originally comprised of only three units of the main building and several units of the supporting building. These building units spread out from the southern main entrance and were connected by a hall that had several columns of river stone. The stones and other items, such as wood, stone walls, exposed paths, and shingled roofs were created to give a natural touch while adapting to the tropical climate.

Ir. Henri Maclaine Pont designed the main campus buildings, namely the West Hall and East Hall. His works experimentally represent the combination of traditional architecture of the archipelago and modern construction techniques. This style is known as Indisch Architecture.

Struck by its shingled roofs, Bandung residents used to call the compound Gedong Sirap (Shingle Building). When the campus master plan was prepared, on the southern side of Jalan Ganesha a park was built as a tribute to Dr. Ir. J.W. Ijzerman, Chairman of Raad van Beheer, Klopper left of Holland, 4 and it was named Ijzerman Park. This park was designed in the form and with the style of Indische Tropische Park; a kind of Priangan tropical landscape promoted by Bandoeng Vooruit group. It was also influenced, however, by French and Italian architectural style of late Ages that preceded Middle the renaissance. The present day Ganesha Park was part of TH campus. This ovalshaped and symmetrical garden was equipped with a fountain and a sort of terrace on its higher part. Around its patio stood stone pillars with typical vines of ITB, pyrostegia, that also decorated the park. According to botanist Dr. L. Van der Pijl (1950), this particular vine vegetation was imported from South America through Australia to decorate the ITB campus (H. Kunto.1984).

Development of Ganesha Campus 1950s

During this era number of funds provided a budget for physical construction of the campus. The funds constructed several buildings, i.e. the ones of the Department of Architecture, Biology, Geodesy, and Chemistry.

These four buildings represented a prototype of prefabricated buildings, such as the ones that at the time usually functioned as office/barrack of the United States Army. Apart from department buildings, several other buildings were also built, including the Scientific Meeting Hall on Jalan Surapati 1, and the Centre for Housing Research and Development on the northern campus, which was then granted to ITB. Currently, the School of Business and Management uses the building.

Since 1952, some organizations have thoughtfully considered the idea of integrating these Bandung based faculties to constitute an independent university. The original name for the university was proposed on February 25th, 1957 as Technology and Natural Science Institute. Later, the name of Institut Teknologi Bandung (ITB) was established on February 28th, 1959. On March 2nd, 1959, in a ceremonious event at the campus to mark its opening, President Sukarno displayed the name plate over the old one of 'Fakultas Teknik dan Fakultas Ilmu Pasti dan Ilmu Alam, Universitas Indonesia' with the new identity: 'Institut Teknologi Bandung.

1968 - 1978

After the construction development of the ITB campus buildings that took place three years previously, ITB set out a long-term plan known as the Academic Master Plan and the Physical Master Plan.

Introducing induction program for undergraduate students at their first year known as the Common Preparation Stage (TPB) changed the academic system of ITB. It therefore needed a common lecturing facility, the use of which was not restricted to one of its departments. Among several buildings that were built at the time were classrooms for studium generale- TVST or Octagon: two separate octagons that were connected to each other by a closed TV circuit. There were also two different buildings in the front of the ones previously mentioned known as PLN Laboratory and TPB Building. An open space around these buildings was designed by ITB students that had won a national architectural contest.

Other buildings built during this period were Technological Laboratories (Labtek).

1978 - 1983

Campus development during this period was focused on providing buildings in order to support common activities, mainly the ones that were related to education and teaching. Originally in the north part of the campustheDepart m e n t o f Environmental Engineering ITB built two lecturing facilities known as the Twin Buildings that face each other. At its western campus it also built the General Lecture Building (GKU), which was mainly used for students at their Common Preparation Stage. ITB also built the Centre for Education in Photogrammetric and Cartography at the Department of Geodesy, and Solar Laboratory at the Department of Mechanics.

1983 - 1990s

During this period ITB was needing to expand its campus area so that it could be adjacent to Siliwangi Valley. At that time the 30 hectares campus had begun to feel confined, due to the growing development of departments that of course required new facilities. It also had been in need of a sport centre, not only for ITB students but for the general ITB also public. stakeholders supported the idea of developing Lebak Siliwangi without neglecting the importance of preserving natural features. There were its organizational changes during this time as the role of Development Bureau was officially handed over to the Vice Rector of development.

Three important buildings were built during this period, i.e. the Main Library, the Centre for Inter-university Cooperation (PAU), and the East General Lecture Building (GKU). There was also a need to redesign the northern area of the campus, which at that time was treated as merely a campus backyard. An architectural contest was organized in search of a suitable design to redesign the Northern Gate, and was won by an architectural study program student.

His design had been retouched as ITB has built a new facility, the Sunken Court, an underground facility that connects Ganesha Campus with Lebak Siliwangi.

1992 - 2001

In 1992 ITB made a ten year Master Plan of Development (RIP) for the period of 1992-2001. According to this document, campus development would emphasize its priority on the field of strategic science and technology.

An Overseas Economic Cooperation Fund (OECF), a Japanese government financial institution, provided two separate loans to pay for the two phases of development based on the Masterplan. Project manager Mame Sutoko led a team that built several Labtek on the campus, and in Sabuga Complex in Siliwangi Valley. Other facilities that were built with the funds were Plaza Widva Nusantara and the Sunken Court. Around the Sunken Court is a space used for student units, which is directly related to the sport centre in Siliwangi Valley. On Ganesha Campus is Sasana Budaya Ganesha (Ganesha Cultural Auditorium).

It was originally designed to meet the need for a proper representative place for graduations. Its main hall holds up to 4000 people and the auditorium is now used for urban activities, such as exhibitions, shows and performances, and scientific meetings.

As this facility is surrounded by sport facilities, it does not only meet the needs of ITB but also meets the needs of the public. In addition to being utilized for the development of public facilities and buildings for the benefit of academic activities of ITB departments, the loan from OECF was also utilized for the construction of the Office of the ITB Rector (Annex Building). This five-floor building functions as the Centre for Academic Information and Data of ITB, which facilitates the activities of ITB bureaus. Inside the building there are several offices, one of which functions as student registration. The upper floor of the Annex Building functions as an auditorium, which is usually utilized for conducting doctoral promotion.



MAP OF ITB GANESHA CAMPUS

44

46

18

YOU'RE HERE (CRCS BUILDING)

53

- 1. Faculty of Civil and Environmental Engineering
- 2. West Hall
- 3. Civil Engineering
- 4. Physics
- 5. Faculty of Fine Arts and Design
- 6. Campus Center
- 7. East Hall
- 8. LFM/9009
- 9. Seni Murni (Fine Arts)
- 10.Labtek IX B Architecture Engineering
- 11. Labtek IX C Geodetic Engineering Environmental Engineering
- 12. Labtek IX A Teknik Planologi (Urban and Regional Planning)
- 13. Environmental Engineering
- 14.Lab Doping
- 15. General Lecture Building East
- 16. Labtek VII Pharmacy, MKDU
- 17. Labtek VIII FMIPA, Electrical Engineering, UPT Bahasa
- 18.Labtek V PIKSI, Informatics Engineering
- 19. Labtek VI Physics Engineering, Marine Engineering, Marine Research Center
- 20. Conversion Laboratory
- 21. Radar Laboratory
- 22. General Lecture Building West
- 23. Labtek II Mechanical Engineering, Aerospace Engineering
- 24. Labtek XI Biology, Geophysics, Meteorology
- 25. Labtek X Chemical Engineering, Mineral Engineering
- 26. General Lecture Building Oktagon
- 27. General Lecture Building TVST

28. TPB Coordinator

39

- 29. PLN ITB Collaboration Building
- 30. Labtek I Geophysics Engineering, Structural Laboratory

49

10

- 31. Chemistry
- 32. Petroleum Engineering
- 33. Labtek IV FTM, Geology Engineering,
 - Mining Engineering (Teknik Pertambangan)
- 34. CAS Building



- 36. Central Library Building
- 37. Inter-University Research Center
- 38. CADL Building
- 39. Labtek III Faculty of Industrial Technology,
- Industrial Engineering, Astronomy Mathematics, PPPPM
- 40. Business School (SBM)
- 41. Ganesha Sports Facilities (SARAGA)
- 42. Metallurgy Laboratory
- 43. NIAGA Bank
- 44. CIBE
- 45. Basic Science A
- 46. Corridor
- 47. Resource Development (Pengembangan SDA)
- 48. UKM Room
- 49. Urban and Regional Planning (Teknik Planologi)
- 50. Crafts (Kriya)
- 51. Master's in Geodesy (Magister Geodesi)
- 52. ITB Career
- 53. New Chemistry
- 54. Energy Building

HOW TO GET TO BANDUNG AND ITB GANESHA CAMPUS

Getting to Bandung from Soekarno-Hatta International Airport, Jakarta:

- From Terminal 2 or 3 Soekarno-Hatta International Airport, take a taxi (we suggest the BlueBird taxi) or use Grab/Gocar to travel to Whoosh Halim Station (high-speed train). The approximate travel time is 45 minutes, and a BlueBird taxi costs roughly about IDR 250,000.
- Take the Whoosh high-speed train from Halim Station to Padalarang Station. You can buy the ticket at the Halim Station counter or you can purchase your Whoosh tickets in advance via their website at https://ticket.kcic.co.id/webTrade/#/home/index. The fast train is only available from 06.40 to 20.30 at night. If you take Whoosh, you will arrive at Padalarang Station and continue on a feeder train from Padalarang to Bandung Train Station. The combined train journey costs between IDR 150,000 to 250,000 per person, with an approximate travel time of 60 minutes.
- Upon arrival at Bandung Train Station, take a BlueBird taxi or Grab from the Bandung Station lobby to your hotel.
- For your return trip from Bandung to Soekarno-Hatta Airport, simply reverse the above steps.

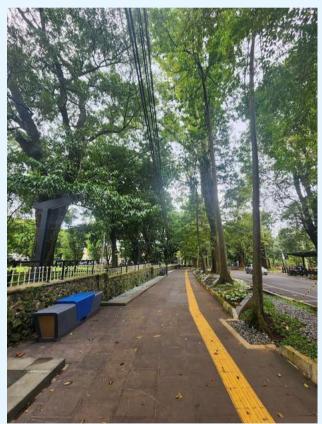
Getting to ITB from Your Hotel

- Take a BlueBird taxi or Grab from your hotel to the ITB main gate.
- Walk from the main gate to Aula Barat (West Hall).

We recommend installing the BlueBird, Gojek or Grab app (available on the Play Store and App Store) before travelling to Bandung to simplify making reservations.

WALKING ALONG GANESHA CAMPUS











LIVING IN BANDUNG

Public Transport

Angkot (Minivan)

Angkot is a popular mode of public transportation in Indonesia. These minivans follow specific routes and can be flagged down along the road. Angkot services in Bandung connect the campus area to nearby neighborhoods and other parts of the city.

Ojek (Motorcycle Taxi)

Ojek services, or motorcycle taxis, are common for short-distance travel. You can find ojek drivers near the campus or at designated ojek stands.

Online Ride-Sharing and Taxi

Services like Gojek, Grab, and Bluebirds are available in Bandung. For more convenience, you can use these mobile apps to book rides. Gojek and Grab offer motorcycle or car options.

Buses

Public buses named DAMRI may operate on specific routes. Bus services may vary, so checking local schedules and routes is essential.

Walking and Cycling

Given that Ganesha is a university town, walking are common means of transportation for students within the campus area.

GENERAL TIPS

Electricity



Electricity throughout Indonesia is 230 volt/50 Hz. The plug is the two pin thin. Be sure to bring your own converter, as most places in Indonesia do not carry them.

Currency



The national currency is Indonesian Rupiah (IDR). 1 USD = approximately 15,775.25 IDR, while another currency is as follows: 1 JP¥ = 106.46 IDR / 1 THB = 442.75 IDR / 1 MYR = 3,336.91 IDR / 1 PHP = 280.10 IDR / 1 SGD = 11,744.53 IDR

You can easily convert your home currency to rupiah through this site: https://www.google.com/finance/ converter. All prices are generally quoted in Rupiah. Currency can be freely converted at banks, hotels, or kiosks. Traveler's checks are hard to cash. Credit cards are accepted in most places that work with foreign tourists. Some may turn down American Express. Visa and MasterCard are known, hence – more widely honoured. ATM Machine are widely available in major cities.

One meal is around IDR 50,000 to IDR 100,000

Telephones



Telephone numbers in Indonesia have different systems for land lines and mobile phones: land lines uses area codes, while mobile phone do not. For land line area codes, the digit "0" is added in front when dialling domestic long distance from within Indonesia, but is always omitted when calling from abroad. Instead, callers would use the Indonesian country code +62, followed by the area code, without the"0".



Internet

There are options to access internet using mobile internet companies in Indonesia. First, to buy SIM cards in Indonesia in physical stores in airports or convenience stores, such as Telkomsel, XL, Indosat, Tri. The second option is to buy eSIMs , that are easy to purchase through online stores. Third, the alternative is use Pocket WiFi devices, the device pick up are very common in Soekarno Hatta Airports, such as Java MiFi. Fourth, **Free WiFi connections** are mostly available in places like hotels or restaurants. But **while in ITB Ganesha Campus, WiFi connection "Eduroam" and ITB Guest could be an alternative way.**

Time Difference



Time is GMT +7 for both Jakarta & Bandung. You can find all the current world time on this website:

http://wwp.greenwichmeantime.com/time-zone/

Health Matters



Santo Borromeus Hospital Bandung open 24 hours and located at Jl. Ir. H. Djuanda No. 100 right in front of the turnover to ITB Campus tel. (022) 2552000.

There is also Klinik Utama Bumi Medika Ganesha located at Jl. Gelap Nyawang No. 2 Bandung, operation hours from 09.00 am to 15.00 pm tel (0812-9448-8766).

Banks



Banks are usually open from 8 a.m. to 3 p.m. Mondays to Fridays. Cash withdrawals may also be done at Automated Teller Machines located in all areas of the city.

Office Hours



Most government offices are open from 8 a.m. to 4 p.m. Monday to Friday.



BANDUNG AT A GLANCE

Paris van Java

Bandung, the capital city of West Java, Indonesia, is renowned for its pleasant climate, vibrant culture, and stunning natural scenery. Nestled amidst verdant hills and fertile valleys, Bandung is often referred to as the "Paris of Java" due to its colonial heritage and picturesque landscape.

The city is known for its unique blend of traditional Indonesian charm and modern cosmopolitanism. Visitors are captivated by its distinct architectural styles, ranging from Dutch colonial buildings to sleek contemporary structures. Bandung's streets are lined with bustling markets, trendy cafes, and fashionable boutiques, offering a diverse array of shopping and dining experiences.

Bandung is also celebrated as a center of education and innovation, home to numerous universities, research institutions, and technology hubs. Its dynamic arts and cultural scene further enrich the city's vibrant atmosphere, with regular performances, exhibitions, and festivals showcasing the talents of local artists and musicians.

Surrounded by lush tea plantations, cascading waterfalls, and volcanic landscapes, Bandung offers ample opportunities for outdoor recreation and exploration. Visitors can hike through scenic trails, soak in natural hot springs, or simply relax amidst the serene beauty of its surroundings.

CELEBRATING OUR HERITAGE

A Rich History Since 1810

1848 9888 9881 188

Since 1998, the Bandung city government has officially recognized September 25 as the city's anniversary. Previously, April 1, 1906, the date marking the establishment of the gemeente (municipality) of Bandung, was often celebrated as the city's founding date. However, historical research initiated in 1997 led to the correction of this date to better reflect Bandung's true origins.

Historical Exploration

In 1997, a series of seminars and discussions were held to accurately determine Bandung's founding date. A dedicated team, including historians from the Faculty of Literature at Padjadjaran University, conducted thorough research. Their findings revealed that September 25, 1810, marks the true founding of Bandung.

The Founding of Bandung

Bandung's journey as a city began long after the formation of the Regency of Bandung, which dates back to the mid-17th century. The first regent, Tumenggung Wirangunangun, established the regency's capital in Krapyak (now Dayeuhkolot), located 11 kilometers south of present-day Bandung. During the tenure of the 6th regent, R.A. Wiranatakusumah II (1794-1829), the power in the Indonesian archipelago transitioned from the Dutch East India Company to the Dutch East Indies government under Governor-General Herman Willem Daendels. To facilitate administrative tasks, Daendels constructed the Great Post Road (Groote Postweg) across Java, running from Anyer in the west to Panarukan in the east. In Bandung and the broader Priangan area, this road was developed by local residents under the supervision of regional leaders. In a letter dated May 25, 1810, Daendels instructed the Regents of Bandung and Parakanmuncang to relocate their capitals to areas near the new road. However, Regent R.A. Wiranatakusumah II had already identified a more strategic site for Bandung's new capital, located on the western bank of the Cikapundung River, south of the Great Post Road. By late 1808 or early 1809, the regent and his people began moving from Krapyak to the new site. The city was officially established on September 25, 1810, a date now recognized as Bandung's founding day.

Bandung's Growth and Governance

From its establishment until 1864, Bandung functioned solely as the regency's capital under the leadership of successive regents. On August 7, 1864, during the rule of Regent R.A. Wiranatakusumah IV, Bandung also became the capital of the Priangan Residency, replacing Cianjur following a volcanic eruption. This dual role continued until Bandung gained autonomy as a gemeente (municipality) on April 1, 1906, under the administration of Regent R.A.A. Martanegara. The gemeente era introduced a city government, which took over municipal management, with the regent serving on the city council (gemeente raad). In 1926, the term gemeente was replaced with stadsgemeente, a status that remained until the end of Dutch colonial rule. During the Japanese occupation from March 1942 to August 1945, Bandung was known as Bandung Shi.



BRAGA STREET

Discover the timeless charm of Braga Street in Bandung, the heart of art and history! Wander through vibrant stretches lined with quaint cafes, historic buildings, and trendy shops that promise an eclectic shopping experience. As you stroll, soak up the unique blend of colonial architecture and contemporary street art that tells the story of Bandung's rich cultural tapestry. Join in the lively festivals and street performances that frequently animate the atmosphere. Braga Street is not just a destination; it's an experience where every corner offers a new delight!





Things to do in Braga

1. Stroll Along Braga Street

Take a leisurely walk down Braga Street and soak in its unique charm. Admire the old-world architecture, watch street artists at work, and simply enjoy the bustling atmosphere that makes Braga so special.

2. Explore Historical Sites

Braga Street, once known as "De meest Eupoesche winkelstraat van Indie" or "the most European shopping street in the Dutch East Indies," is home to many historic buildings. Visit the Museum of the Asian-African Conference at the intersection of Braga and Asia Afrika Streets. Don't miss Societeit Concordia (now Gedung Merdeka), which was once a meeting place for Bandung's European elite.

3. Capture Memorable Photos

Braga Street is a photographer's paradise with numerous instagrammable spots. It's a popular location for pre-wedding photoshoots, making it perfect for those who love capturing beautiful moments.

4. Indulge in Culinary Delights

Food enthusiasts will love the culinary offerings on Braga Street. Enjoy a cup of coffee at Kopi Toko Djawa, savor ice cream at Sweet Cantina, or try local street food available at every corner.

5. Shop for Unique Souvenirs

No visit to Braga is complete without shopping for unique souvenirs. Explore Pasar Antik Cikapundung for artistic and antique finds, and hone your bargaining skills. For souvenirs, check out Galeri Tatarah, Sin Sin Art Shop, and Paris Van Java Gallery. You can also visit Braga City Walk for a variety of shops and entertainment options.

6. Relax in the Parks

After exploring Braga Street, unwind at Taman Braga or Taman Balai Kota Bandung. Both parks are just a short walk away and offer a peaceful retreat with plenty of street food vendors where you can enjoy light snacks in a serene environment.



BANDUNG LANDMARK



Gedung Sate

Gedung Sate is renowned for its distinctive architectural design, which features a central pinnacle resembling a skewer of satay, a popular Indonesian dish. Constructed in 1920, this historic building originally served as the headquarters for the Dutch East Indies' Department of Public Works. Today, it functions as the seat of the Governor of West Java. The building's unique blend of neoclassical style and indigenous architectural elements reflects the rich cultural heritage of the region. Surrounded by lush gardens, Gedung Sate is not only a functioning government office but also offering visitors a glimpse into the colonial history.

Asia-Africa Museum

The Museum Konferensi Asia Afrika commemorates the historic 1955 Asian-African Conference, a pivotal event that fostered solidarity among newly independent nations across Asia and Africa. Housed in the Gedung Merdeka building, the museum offers an in-depth look at the conference's significance in promoting cooperation and peaceful coexistence among countries in the Global South. It highlights the spirit of collaboration that continues to influence international relations today, making interesting in understanding the foundations of global diplomacy and Bandung's role in it.

Al-Jabbar Mosque

Masjid Raya Al-Jabbar, an architectural marvel in Bandung, Indonesia, stands as a testament to modern Islamic design and innovation. This grand mosque, known for its futuristic and sleek design, incorporates elements that symbolize the unity and strength of the Muslim community. Its striking dome and intricate geometric patterns are a visual delight, representing the harmony between traditional Islamic art and contemporary aesthetics. The mosque is not only a place of worship but also a community hub, offering various educational and social programs. Set amidst serene surroundings, Masjid Raya Al-Jabbar provides a peaceful retreat for spiritual reflection and communal activities, making it a significant cultural and religious landmark in Bandung.



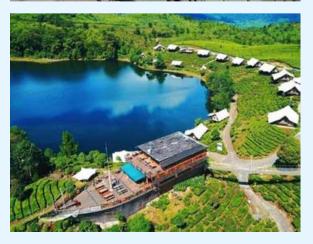




NATURE NEAR BANDUNG







Tangkuban Perahu

Escape to the majestic Tangkuban Parahu Mountain, just a short drive from Bandung! Experience the thrill of standing atop an active volcano with breathtaking views that stretch across the horizon. Dive into nature's beauty on guided treks that reveal the secrets of this mystical mountain.

Kawah Putih (White Crater)

Discover the enchanting beauty of Kawah Putih, Bandung's stunning white crater lake set amidst lush mountains. Immerse yourself in the surreal, misty landscape that changes colors with the sky. Perfect for photography and serene walks, Kawah Putih is a mesmerizing getaway that captivates all who visit!

Rancabali Tea Plantation (near White Crater)

Step into the lush greenery of Bandung's expansive Tea Plantations for a refreshing escape into nature. Wander through rows of verdant tea leaves, breathe in the fresh, aromatic air, and learn the art of tea making from local experts. It's a serene adventure that soothes the soul and delights the senses!











SHOPPING

Paris van Java Mall

Paris Van Java Mall in Bandung, is a captivating blend of sophistication and leisure. With its charming European-inspired architecture and lush greenery, this premier shopping destination offers a delightful escape from the hustle and bustle of the city. Explore a diverse array of international and local brands.

Paskal 23 Mall

Paskal 23 Mall in Bandung, Indonesia, is a modern urban oasis where shopping meets entertainment. Nestled in the heart of the city, this sleek and stylish mall boasts a dynamic mix of retail outlets, dining venues, and leisure attractions. Explore the latest fashion trends from renowned local and international brands.

Rumah Mode Bandung

Rumah Mode Factory Outlet in Bandung is a shopper's paradise tucked away in the picturesque hills of the city. Housed within a charming colonial-style building, Rumah Mode offers an extensive selection of fashion-forward apparel, accessories, and homeware at discounted prices.

Trans Studio Mall Bandung

Trans Studio Mall in Bandung stands as a beacon of entertainment and retail excellence in West Java. Boasting a fusion of modern architecture and vibrant atmosphere, this expansive mall offers a plethora of shopping, dining, and leisure experiences for visitors of all ages.



BANDUNG CULINARY

Embark on a culinary journey through the vibrant flavors of Bandung, Indonesia's culinary capital. From bustling street food stalls to chic cafes and fine dining restaurants, Bandung offers a diverse array of gastronomic delights to tantalize your taste buds. Indulge in local specialties like the savory Sundanese cuisine, bursting with fresh vegetables and aromatic spices, or satisfy your sweet tooth with delectable desserts like the famous Bandung layer cake. With its rich culinary heritage and innovative culinary scene, Bandung promises a feast for every palate, inviting you to savor the unique flavors of this dynamic city.



A must-visit: Street Food (Cibadak Culinary Night) Cihapit Market Sundanese food (Boemi Mitoha)



COFFEE CULTURE IN BANDUNG



Bandung, Indonesia, is renowned for its vibrant coffee culture, where each cup tells a story of tradition, innovation, and community. Nestled amidst the lush landscapes and bustling streets, Bandung's coffee scene is a tapestry woven with the threads of history and modernity. From humble street-side warungs to chic specialty cafes, the city offers a diverse array of coffee experiences that cater to every palate and preference.

At the heart of Bandung's coffee culture lies its rich history of cultivation and trade. The region's fertile volcanic soil provides an ideal environment for growing coffee beans, and local farmers have been cultivating the crop for generations. This heritage is celebrated in Bandung's traditional coffee houses, where visitors can savor the bold flavors of locally sourced beans brewed in time-honored methods such as kopi tubruk or kopi jahe.

In recent years, Bandung has also emerged as a hub for specialty coffee aficionados, with a burgeoning scene of third-wave cafes pushing the boundaries of taste and technique. These establishments, often adorned with sleek decor and minimalist design, offer a curated selection of single-origin beans and meticulously crafted brews that showcase the complexity and nuance of Indonesian coffee. From pour-over to cold brew, Bandung's specialty cafes invite patrons to embark on a journey of exploration and discovery, where each cup reveals new dimensions of flavor and aroma. Whether sipping coffee on a bustling street corner or lounging in a trendy cafe, Bandung's coffee culture invites visitors to slow down, savor the moment, and indulge in the simple pleasure of a perfect brew.



COFFEESHOPS RECCOMMENDATIONS





Blue Doors Jalan Alkateri No.2

A classic in Bandung with vintage coffeeshop vibe. A must-Trip Advisor visit.





Kumari Bake and Brew Jalan Bagusrangin No.1

Not only good coffee, they also have mouthwatering selections of pastry.





Yumaju Jalan Maulana Yusuf No.10

Their motto is collaboration over coffee. If you like strong coffee, their black magic is a must ordered.





Makmur Jaya Coffee Roaster Jalan Sawunggaling no. 22

Makmur Jaya Coffee is most known for their good milk coffee (kopi susu) and variety of beans. https://makmurjayacoffee.com/

BANDUNG TOUR ON BUS (BANDROS)



BANDROS, short for Bandung Tour on Bus, is a distinctive tourist attraction in Bandung, Indonesia. It offers visitors a unique way to explore the city's landmarks, cultural sites, and attractions aboard a colorful doubledecker bus.

BANDROS buses are easily recognizable by their vibrant colors and retro design. They are usually adorned with Bandung's symbols and motifs, making them stand out as they navigate through the city streets.

One of the highlights of BANDROS is its open-top design on the upper deck, providing passengers with an unobstructed view of the cityscape. This offers a refreshing and immersive experience, allowing tourists to soak in the sights, sounds, and breeze of Bandung.

Similar to other hop-on-hop-off tour buses in major cities around the world, BANDROS operates on a flexible schedule. Passengers can board and disembark at designated stops along the route, allowing them to explore attractions at their own pace. This convenience makes it an ideal choice for tourists who want to see multiple sights in a single day.

BANDROS typically follows predefined routes **f k u 2** over popular tourist destinations, landmarks, and cultural spots within Bandung. These routes are carefully curated to showcase the city's rich heritage, natural beauty, and vibrant atmosphere. Some common stops include the iconic Gedung Sate, Braga Street, Pasar Baru Trade Center, and the picturesque Dago area. You can take Bandros from two points: Alun-alun Bandung or Diponegoro Street.

RISK CONTROL MANAGEMENT

It is wise to...

- Have maps in case you get lost
- Download app that protects your phone when it's stolen
- Have Translation App so you can understand Indonesian signs
- Have Communication Tool App

Google Maps Whatsapp

Useful Phone Apps in Indonesia

Transportation Apps



CUSTOM AND HABITS OF THE INDONESIANS

- 1. Weather: This ISW 2024 will be held at rainy season here in Bandung, however, the average temperature in Bandung now ranges between 16-32 degrees Celsius. We advise for all participants to bring a jacket, raincoat or umbrella because sometimes rain suddenly.
- 2. How to use 'angkot' (the public city transportation):
 - Wave your right hand to stop the angkot from the sidewalk.
 - Hold on to your belongings, try not to fall asleep.
 - Do not show your precious belongings (mobile phone, ipad) in the angkot to avoid theft.
 - Say kiri if you want to get of the angkot and give the fare to the driver.
- 3. For greeting, Indonesian usually shake hands while saying "apa kabar?".
- 4. In general, to address people, we use Bapak or Ibu followed by their first name. For example: Bapak (shortened Pak) Andi or Ibu (shortened Bu) Nina.
- 1. Alcohol (drinks) are not easily found in shops and restaurants.
- 2. Some habits of Indonesians:
 - Greet other people: by smiling and nod their head or say greetings: good morning selamat pagi, good afternoon - selamat siang/sore, good evening - selamat malam.
 - Use the right hand to hand over things, to raise your hands for questions.
 - People love to offer foods. Do not leave the food without saying anything.



DO'S



Take care of your valuable belongings at all times, especially in public places and transportations.



Always strictly follow the guidance of the people in charge, especially in crisis situations.



Always check the program schedule in order not to disrupt group activities.



Respect the differences and nurture the group working spirit.



Always contact first with the persons in charge if help or advice is needed.



Always bring your passport everywhere.

DONT'S



Do not panic and act unilaterally in crisis situations.



Do not drink the tap water.



HOTEL ADRESSES

Hotel Patra Bandung Jl. Ir. H. Juanda No.132, Dago, Kota Bandung, Jawa Barat 40132 Telp: (022) 2502664 Instagram: @patrabandung.hotel Web: www.mypatrahotels.com CP Whatsapp: Indra +62 821-2057-8827

Sheraton Bandung Hotel & Towers Jl. Ir. H. Juanda No.390, Dago, Kota Bandung, Jawa Barat 40135 Telp: (022) 2500303 Web site: Sheratonbandung.com CP Whatsapp: Aris +62 811-2156-392 aries.risnandar@sheraton.com

Four Points by Sheraton Bandung Jl. Ir. H. Juanda No.46, Kota Bandung, Jawa Barat 40115 Telp: (022) 87330330 Web site: bandung. reservations@fourpoints.com CP Whatsapp: Suci +62 813-2117-1661

Kalya Hotel Bandung Jl. Sumur Bandung No.7, Kota Bandung, Jawa Barat 40132 Telp: (022) 2510521 Web site: https://kalyahotelbandung.com/ CP Whatsapp: Kamila +62 813-2423-2294



EMERGENCY NUMBERS

ITB Ganesha Emergency Call 022 2500204

Dago Police Station (022) 2502532

Hospital

Rumah Sakit Santo Borromeus (022) 2552000

Klinik Utama Bumi Medika Ganesha 0812-9448-8766

Blue Bird Taxi 022 - 7561234

CONTACT PERSON

Muhammad Faliq Ramadhan (Pak Faliq) +33 769156508

Dr. Anindrya Nastiti +62 82129996299

IN HARMONIA PROGRESSIO! Visit Us!



itb.ac.id

