

INDONESIA

Country Report

“Futureproofing Libraries Through Digital Innovation and Sustainability”



20th **AUNILO MEETING**
July 22 – July 25, 2025





UI IN NUMBERS



14 Faculties
2 Schools
1 Vocational School

263 Study Programs
2.471 Lecturers
46.771 Students

INNOVATION

SMART CLASSROOM

DPASDP & 10 FAKULTAS



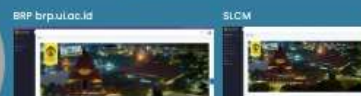
VIRTUAL/REMOTE LAB

4 FAKULTAS



APLIKASI BRP & KURKULUM

APLIKASI WEBSITE



MODUL PEMBELAJARAN

PASCA PANDEMI

Pelatihan Penerapan Pembelajaran Berbasis Teknologi (PPBT)



AI LITERACY

AI Literacy Dalam Pembelajaran



PENULISAN ARTIKEL



PKKM

2021 2022 2024



ACHIEVEMENT

YOUTUBE SILVER PLAY BUTTON



ICE-I AWARD



213.623 titles printed collection
3.413.734 copies electronic collections

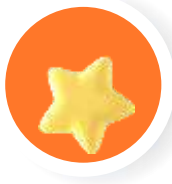


1 University Library
7 Faculty Libraries&Reading Rooms

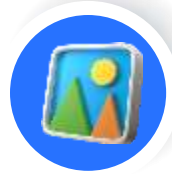
19 librarians
23 clericals
3 IT staff



Learning and Teaching Approaches at Universitas Indonesia



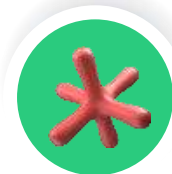
OUTCOME-BASED EDUCATION
(OBE)



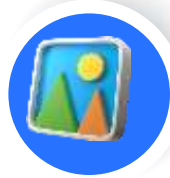
STUDENT-CENTERED LEARNING
(SCL)



BLENDED LEARNING AND
DIGITAL INTEGRATION



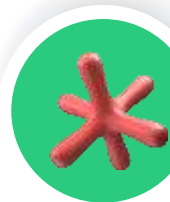
INTERDISCIPLINARY AND
COLLABORATIVE LEARNING



RESEARCH-BASED LEARNING



GLOBAL PERSPECTIVE AND
INTERNATIONALIZATION



CONTINUOUS CURRICULUM
IMPROVEMENT



Strategies and Initiatives by UI Library in Supporting Evolving Teaching and Research

**DIGITAL TRANSFORMATION AND
RESOURCE ACCESS**
(UI REPOSITORIES, REMOTE ACCESS, E-
RESOURCE SUBSCRIPTIONS)



USER-CENTERED SERVICES AND SPACES
(INFORMATION DESK & LIASON LIBRARIANS)

**CAPACITY BUILDING FOR FACULTY AND
STUDENTS**
(WORKSHOP, WEBINARS, IL
INTEGRATION)



**SUPPORT FOR ONLINE AND HYBRID
LEARNING**
(DIGITAL LITERACY PROGRAM,
INTEGRATION OF LMS (EMAS))

INCLUSIVE AND ACCESSIBLE SERVICES
(SUPPORTING USERS WITH DISABILITIES,
MULTILINGUAL SUPPORT&COLLABORATION
SPACES)

COLLABORATION AND NETWORKING
(NATIONAL AND INTERNATIONAL
PARTNERSHIP, FACULTY CASCADING
STRATEGY)

**RESEARCH SUPPORT SERVICES (RESEARCH
IMPACT & METRIC ASSISTANCE, REF TOOLS
TRAINING, PLAGIARISM TOOLS)**

**ACADEMIC PUBLISHING AND OPEN ACCESS
ADVOCACY**
(UI JOURNALS AND OPEN ACCESS PROMOTION)





Notable Changes in the Learning System

1. Shift to Student-Centered Learning (SCL)
2. Adoption of Blended and Online Learning
3. Outcome-Based Education (OBE) Implementation
4. Curriculum Internationalization
5. Integration of Research and Teaching
6. Use of Data and Learning Analytics

Corresponding Transformations in the Education System

1. Institutional Support and Policy Reform
2. Infrastructure Modernization
3. Faculty Development
4. Partnership with Industry and Society

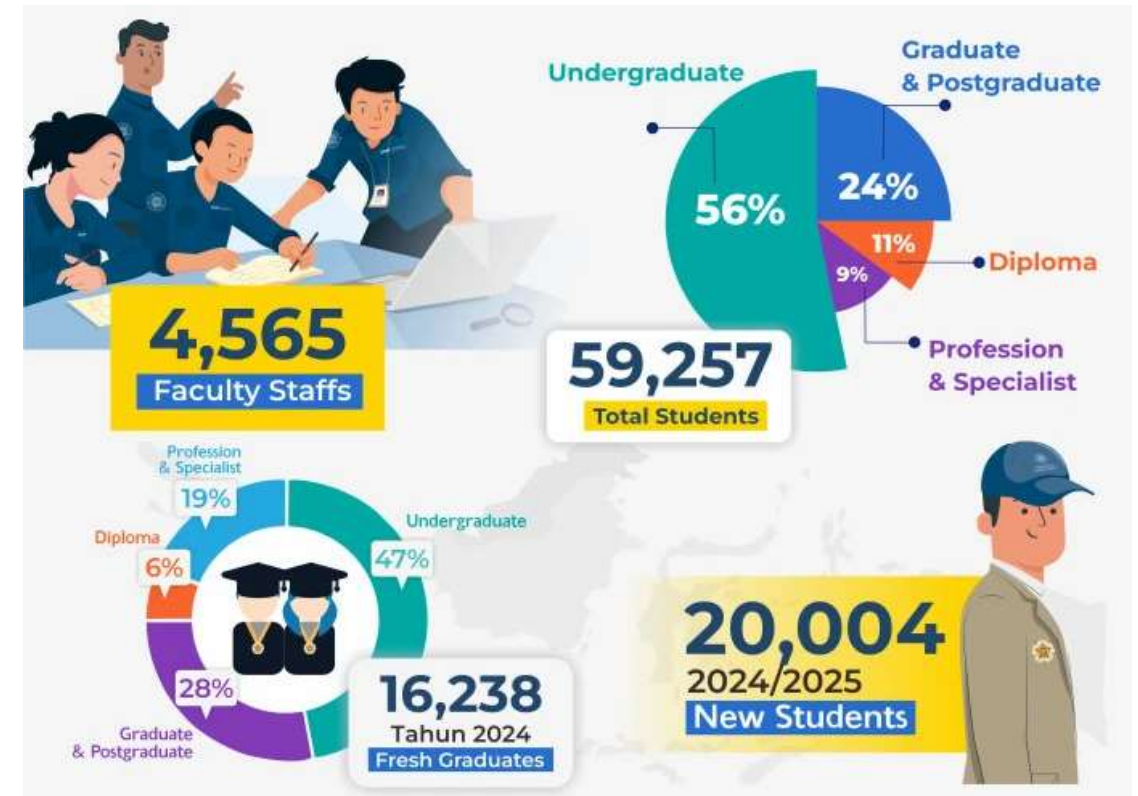
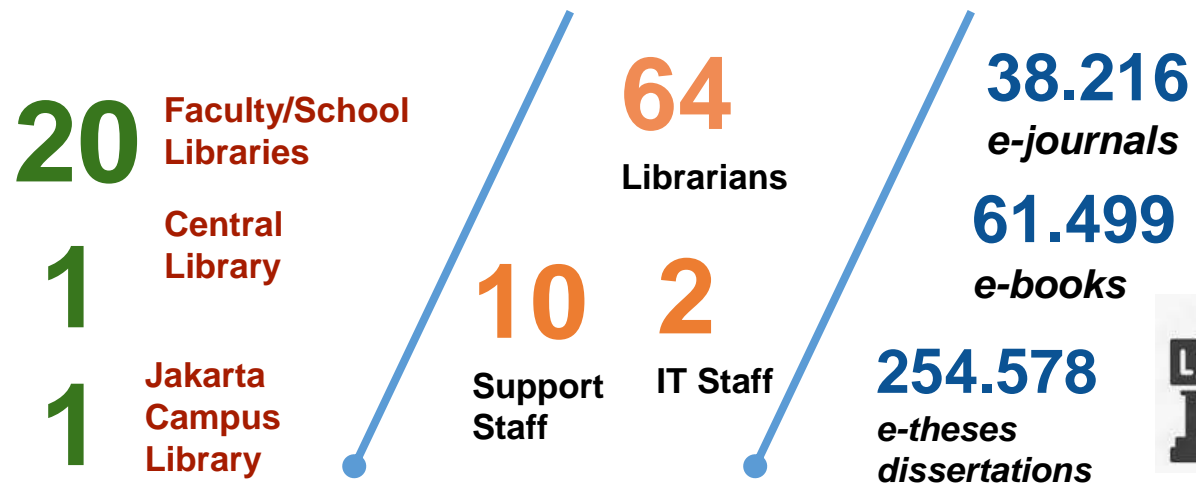




Summary		
Category	Traditional Approach	Transformational Approach
Learning Focus	Teacher-centered	Student-centered,outcome based
Mode of Delivery	In-person	Blended, digital-first
Curriculum Orientation	National,content-based	Global, skill-oriented
Research Integration	Minimal	Embedded in learning
Policy and Structure	Rigid, centralized	Flexible, data-informed
Faculty Role	Instructor	Facilitator, mentor, co-learner
Infrastructure	Conventional classrooms	Smart, digital, collaborative spaces



UGM in Numbers



Digital Transformation in the University



UGM Online

Learning Platform with AI

Access



Gama-bot

chatbot AI UGM

Access



AI-Gama

UGM - Open AI

Access



Digital Human Artificial Intelligence
Layanan dapat di akses di Gelanggang Inovasi dan Kreativitas
UGM

- Special Task Force: Digital Transformation Bureau
- Developing Digital Learning Environment
- Supporting Digital Innovation based on AI Technology
- Strengthening Digital Research & Innovation on Learning, Teaching and Services
- Integrating Academic System
- Building Information System and Application based on AI

Strategies and initiatives of the library in addressing the challenges of digital innovation and sustainability

Developing Digital Libraries
System and Library Technology
Environment

Strengthening library resources
& access

Strengthening librarian's
professional skills

Digital Literacy Programs on E-
Resources and AI-based Tools



Enhancing
Personalized Services
& User Engagement

Enhancing library
promotion program
on Digital Platform

Enhancing
Collaboration Work

Challenges and Solutions

Challenges	Solutions
Financial Issues: Budget Cut and Efficiency, Financial Priorities Allocation, Exchange rates,	Do Need Assessment and Evaluation Program, Financial Negotiation with all parties, Exchange rates analysis and forecasting
Technical Issues: IT Infrastructure limitation, in house developing vs commercial platform, system and data security, technological rapid changes	Collaborating and Coordinating with IT Directorate and all parties on ITC development.
Human Resources Issues: Librarians Skills, Staff Competency on Digital Literacy and AI-tools, Staff limitation, Lack of systematic staff development program, staff generation gaps	Intensive Staff Development Program on Digital Literacy and AI Technologies, Peer Learning Program for Librarians and Staff, Collaboration Work on Staff Development with HR Directorate and other parties
Managerial Issues: Vision and mission knowledge gap, lack of team working, digital leadership problem, HR development, lack of authority, and collaboration work problem	Workshop on institution values, vision, mission, goals and strategic plan; Digital Leadership Training, Developing Champion Team, etc



Futureproofing Libraries Through Digital Innovation and Sustainability

University Library of Institut Teknologi Bandung

Indonesia Country Report.

20th AUNILO Meeting. Brunei Darussalam, 2025.

22 – 24 July 2025.



ITB Library Initiatives

Current strategic efforts already started or in progress

- Started integrating library data across all ITB campuses for centralized access and reporting.
- Began digitizing historical TH Bandung collections to preserve and open access to ITB's heritage.
- Ongoing digitization of academic works from students and faculty to support research visibility.
- Maintain subscription to e-journals and e-books to meet research and learning needs.
- Developing a library data dashboard to track usage, access, and collection performance.
- Launched initial version of ITB Library mobile app for easier access to services.
- Initiated multicampus library service planning to serve different ITB locations more equally.
- Supporting staff to pursue professional and competency certifications for better service quality.
- Hosting literacy workshops

ITB Library Plans

What's next? Short-to-mid-term goals

- Fully integrate cross-campus library systems and collections under one digital platform.
- Complete digitization of TH Bandung rare collections and ensure open digital access.
- Strengthen the institutional repository for student theses, research papers, and publications.
- Increase number and variety of e-resource subscriptions based on academic programs.
- Launch a real-time dashboard with visual insights for users and management.
- Expand multicampus access to include physical delivery and synchronized user accounts.
- Establish training roadmap for library staff aligned with national certification standards.
- Increase Collaboration:
 - Central Bureau of Statistics (BPS-Statistics Indonesia) to create the Pojok Statistik (Statistics Corner).
 - Australian Embassy in Jakarta to create Aussie Banget Corner
 - National Research and Innovation Agency (BRIN) to support scientific data sharing and research development.

ITB Library Experiences

Key lessons and feedback so far

- Integrating systems across campuses revealed technical gaps and data inconsistencies.
- A fully integrated ITB Library platform with one login, one search, and full access across campuses
- Digitization of heritage collections brought attention to preservation challenges and metadata quality.
- Users highly appreciate easier access to theses and e-journals through online portals.
- Feedback shows growing interest in mobile-based services, especially among students.
- Mobile-first library services with self-checkout, booking, and personalized recommendations
- Developing dashboards required collaboration with IT teams and regular data validation.
- Certification programs increased staff motivation, but the continuity and budget limitation become an issue.

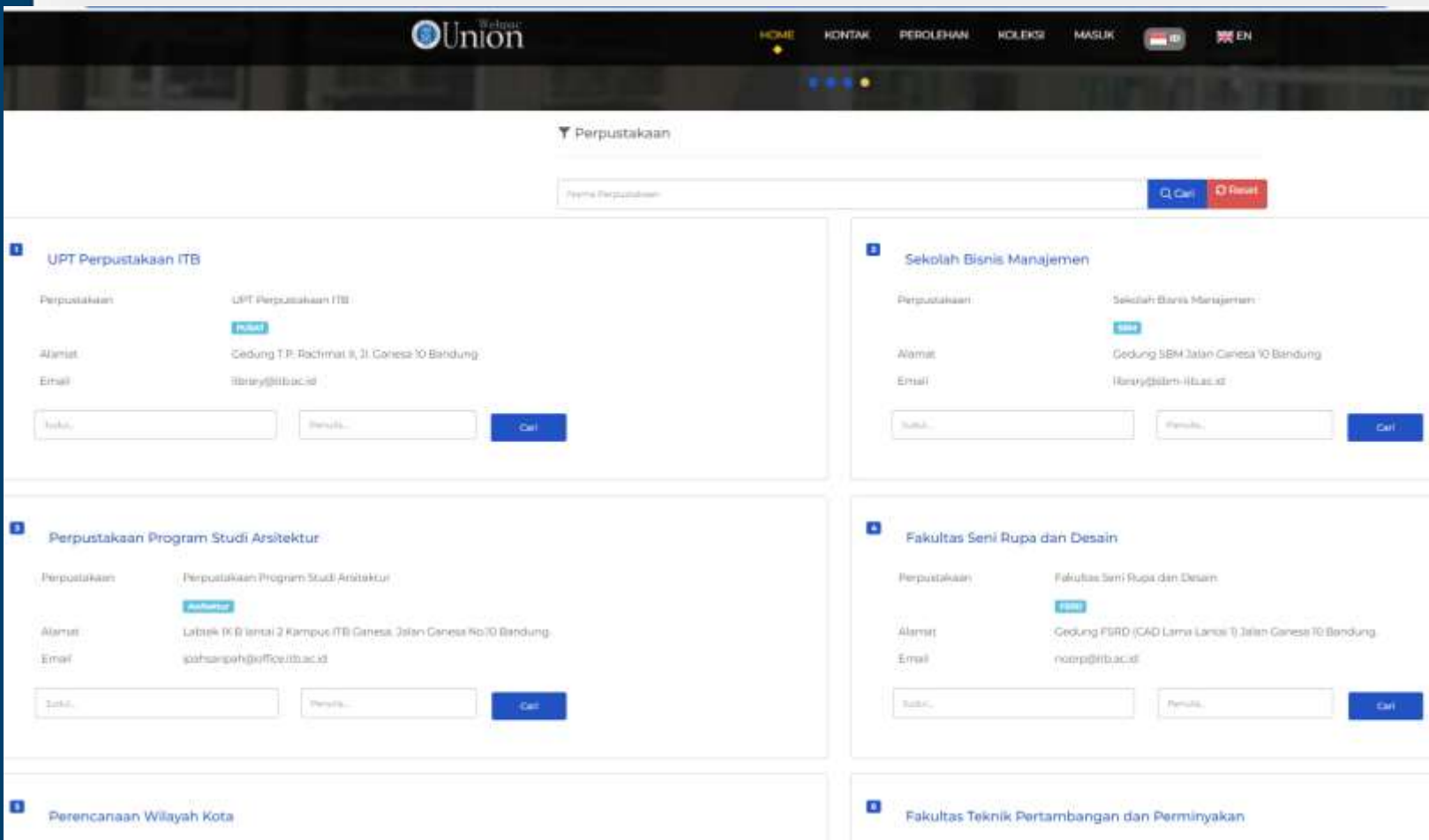
ITB Library Expected Innovations

Future breakthroughs and long-term value

- AI-powered metadata enrichment for digitized collections and institutional repository.
- Smart dashboard with predictive analytics to support collection development and user services.
- Certified and specialized library staff with recognized professional qualifications.
- A future-proofed ITB Library that supports innovation, collaboration, and sustainability at every level.

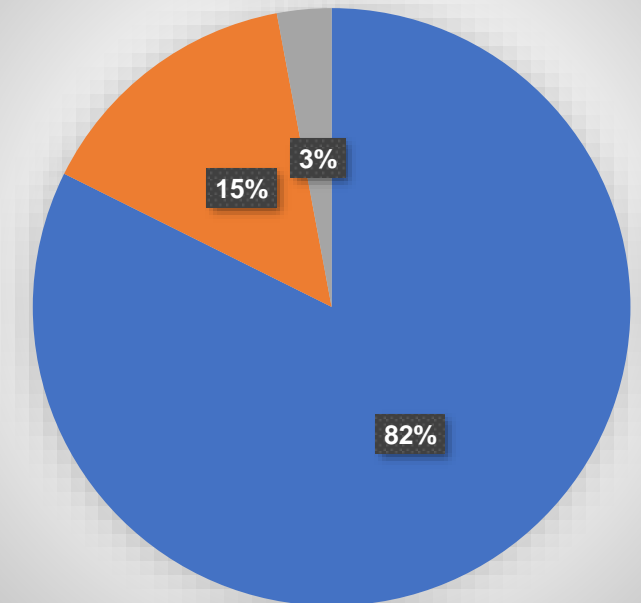
Integrating systems across campuses

<https://webpac.lib.itb.ac.id/collection>



The screenshot displays the 'UPT Perpustakaan ITB' website. At the top, there's a navigation bar with links like HOME, KONTAK, PEROLEHAN, KOLEKSI, MASUK, and a language selector (ID/EN). Below the navigation bar, a search bar is visible with a 'Cari' button. The main content area is divided into several sections, each representing a different library location or department, such as 'Sekolah Bisnis Manajemen' and 'Fakultas Seni Rupa dan Desain'. Each section includes a 'Perpustakaan' field, an 'Alamat' (Address) field, and an 'Email' field. There are also input fields for 'Judul' (Title) and 'Penulis' (Author), and a 'Cari' button for each section.

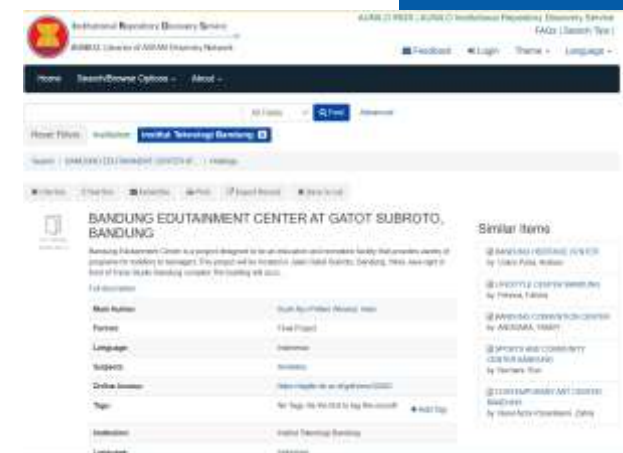
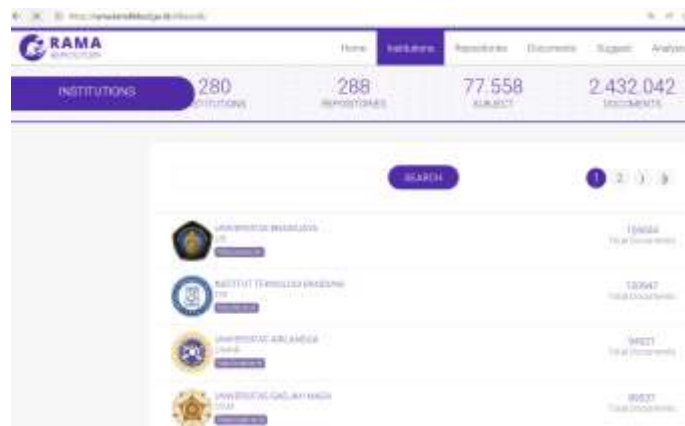
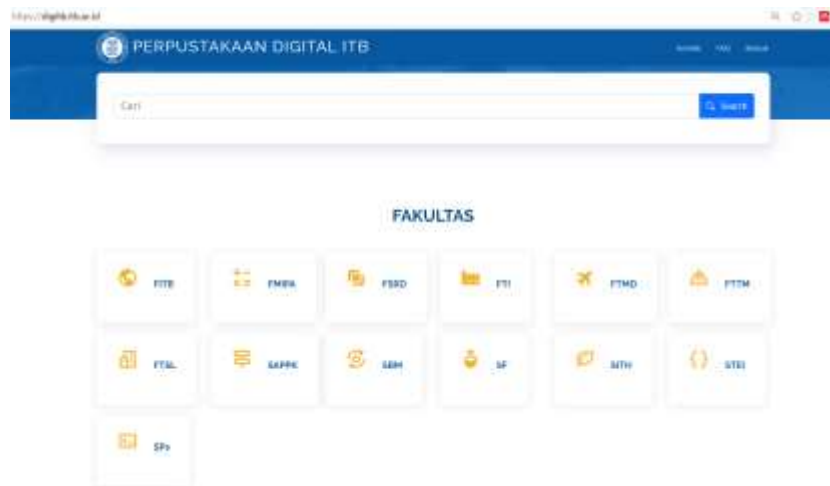
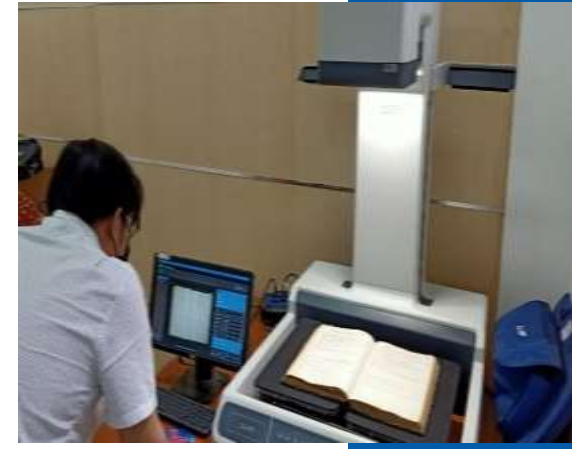
Percentage of Data Integration



Information:

Not yet Integrated	15%
Integrated	82%
On Progress	3%

Digitization of heritage collections & ITB Repository



Content Optimizing: Summarization & Flip Book

PERPUSTAKAAN DIGITAL ITB

GELANGGANG OLAH RAGA EKSTREM DI KOTA BARU PARAHYANGAN BANDUNG

51 views [Save At List](#)

Penulis	:	A...
Kontributor / Dosen Pembimbing	:	8
Jenis Koleksi	:	Ti
Tahun Terbit	:	
Penerbit	:	Ai
Fakultas	:	St
Subjek	:	
Kata Kunci	:	g
Sumber	:	
Staf Input/Edit	:	8
File	:	7
Tanggal Input	:	27 Sep 2017 10:22:02

ABSTRAK

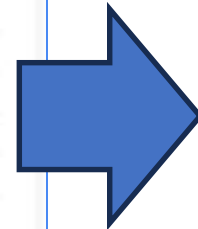
BAB I PENDAHULUAN

1.1 Latar Belakang

Peminat olahraga ekstrim di Kota Bandung, terutama skateboard cukup banyak. Di Kota ini telah diadakan kompetisi tahunan yang diadakan oleh ISB (Indonesia Skateboarding Association) sebagai kompetisi tahunan yang diadakan oleh pemerintah provinsi Bandung. Namun belum ada fasilitas dengan standar yang cukup baik di Kota Bandung yang mampu memfasilitasi olahraga ini dan memfasilitasi pengembangan atlet dari kota ini untuk menjadi atlet profesional. Kota Bandung merupakan salah satu pusat perkembangan olahraga ekstrim di Indonesia. Selain adanya fasilitas khusus yang memadai untuk penyelenggaraan kompetisi tersebut, diperlukan kompetisi internasional diharapkan terdapat yang diadakan kemudian menjadi arena internasional. Untuk memfasilitasi kebutuhan atlet olahraga ekstrim, sebagai salah satu pengembangan kota ini, perlu dibangun fasilitas olahraga ekstrim yang memadai untuk kompetisi internasional. Fasilitas ini akan dibangun pada lahan kosong pada kawasan rekreasi yang sudah dikembangkan untuk fasilitas ini. Fasilitas ini akan dibangun pada lahan kosong pada kawasan rekreasi yang sudah dikembangkan untuk fasilitas ini. Fasilitas ini akan dibangun pada lahan kosong pada kawasan rekreasi yang sudah dikembangkan untuk fasilitas ini.

Files **Abstrak**

- 2007 TA PP ANDI ANGGORO 1-BAB1.pdf [Terbaca](#) [Open In Flip Book](#) [Loka](#) [Ringkasan](#)
- 2007 TA PP ANDI ANGGORO 1-BAB2.pdf [Terbaca](#) [Open In Flip Book](#) [Loka](#) [Ringkasan](#)



2007 TA PP ANDI ANGGORO 1-BAB1.pdf - Halaman 1 - Microsoft Edge

<https://diglib.itb.ac.id/gdl/readonflip/15346>

1.1.1 Latar Belakang

Latar belakang dari penelitian ini adalah untuk mengetahui bagaimana kondisi fasilitas olahraga ekstrim di Kota Bandung, terutama skateboard. Fasilitas ini akan dibangun pada lahan kosong pada kawasan rekreasi yang sudah dikembangkan untuk fasilitas ini. Fasilitas ini akan dibangun pada lahan kosong pada kawasan rekreasi yang sudah dikembangkan untuk fasilitas ini.

1.1.2 Tujuan Penelitian

Tujuan penelitian ini adalah untuk mengetahui bagaimana kondisi fasilitas olahraga ekstrim di Kota Bandung, terutama skateboard. Fasilitas ini akan dibangun pada lahan kosong pada kawasan rekreasi yang sudah dikembangkan untuk fasilitas ini. Fasilitas ini akan dibangun pada lahan kosong pada kawasan rekreasi yang sudah dikembangkan untuk fasilitas ini.

1.1.3 Manfaat Penelitian

Manfaat penelitian ini adalah untuk mengetahui bagaimana kondisi fasilitas olahraga ekstrim di Kota Bandung, terutama skateboard. Fasilitas ini akan dibangun pada lahan kosong pada kawasan rekreasi yang sudah dikembangkan untuk fasilitas ini. Fasilitas ini akan dibangun pada lahan kosong pada kawasan rekreasi yang sudah dikembangkan untuk fasilitas ini.

<https://diglib.itb.ac.id/gdl/summarize/15344>

Hasil Ringkasan

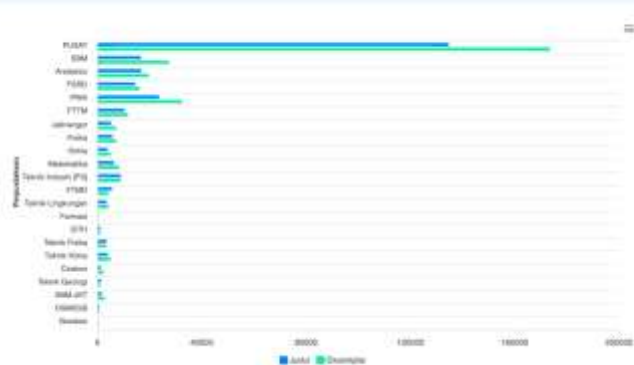
2007 TA PP ANDI ANGGORO 1-BAB1.pdf

1. BAB I PENDAHULUAN 1.1 Latar Belakang Fasilitas olahraga ekstrim di Kota Bandung, terutama skateboard cukup banyak. Di Kota ini telah diadakan kompetisi tahunan yang diadakan oleh ISB (Indonesia Skateboarding Association) sebagai kompetisi tahunan yang diadakan oleh pemerintah provinsi Bandung. Namun belum ada fasilitas dengan standar yang cukup baik di Kota Bandung yang mampu memfasilitasi olahraga ini dan memfasilitasi pengembangan atlet dari kota ini untuk menjadi atlet profesional. Kota Bandung merupakan salah satu pusat perkembangan olahraga ekstrim di Indonesia. Selain adanya fasilitas khusus yang memadai untuk penyelenggaraan kompetisi tersebut, diperlukan kompetisi internasional diharapkan terdapat yang diadakan kemudian menjadi arena internasional. Untuk memfasilitasi kebutuhan atlet olahraga ekstrim, sebagai salah satu pengembangan kota ini, perlu dibangun fasilitas olahraga ekstrim yang memadai untuk kompetisi internasional. Fasilitas ini akan dibangun pada lahan kosong pada kawasan rekreasi yang sudah dikembangkan untuk fasilitas ini. Fasilitas ini akan dibangun pada lahan kosong pada kawasan rekreasi yang sudah dikembangkan untuk fasilitas ini.

Library Dashboard

Koleksi Cetak

Periode: 01 Jan 2024 - 31 Des 2024



Perpustakaan

Perpustakaan

PUSAT

OK

Akreditasi

Fasilitas

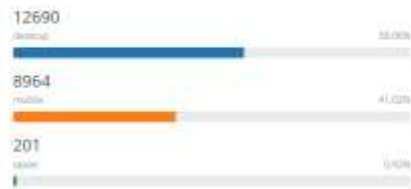
1. Perangkat Multimedia
2. Sarana Layanan Perpustakaan
3. Sarana Kelembutan Gedung dan Fasilitas Perpustakaan
4. Urut
5. Rambu-rambu Perpustakaan

Fasilitas Perangkat Multimedia

- Fasilitas
1. Komputer yang terhubung internet
2. LCD
3. Scanner
4. Printer
5. VCD/DVD Player
6. Televisi

100%

Pengguna aktif menurut Kategori Perangkat :: 01 Jan 2025 - 30 Jun 2025



Pengguna aktif menurut Perangkat dari waktu ke waktu



No	Kategori Perangkat	Pengguna Aktif	Pengguna Baru	Waktu rata-rata per Pengguna Aktif
1	desktop	12690	11475	1 jam 30
2	mobile	8964	8108	1 jam 10
3	tablet	201	160	1 jam 15

UPT Perpustakaan ITR

Pustakawan

- Sertifikat LCP
- Sertifikat LCP
- Sertifikat PPK
- Rekap Pustakawan
- Rekap

Fasilitas

1. Perangkat Multimedia
2. Sarana Layanan Perpustakaan
3. Sarana Kelembutan Gedung dan Fasilitas Perpustakaan
4. Urut
5. Rambu-rambu Perpustakaan

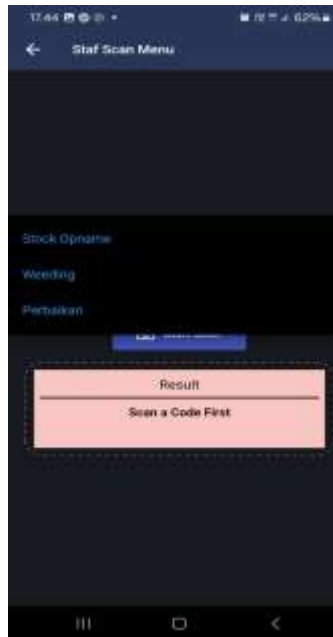
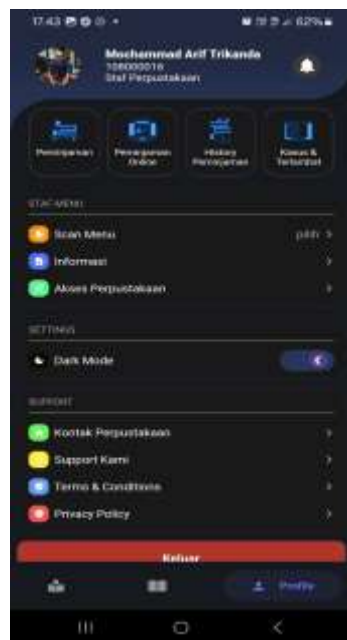
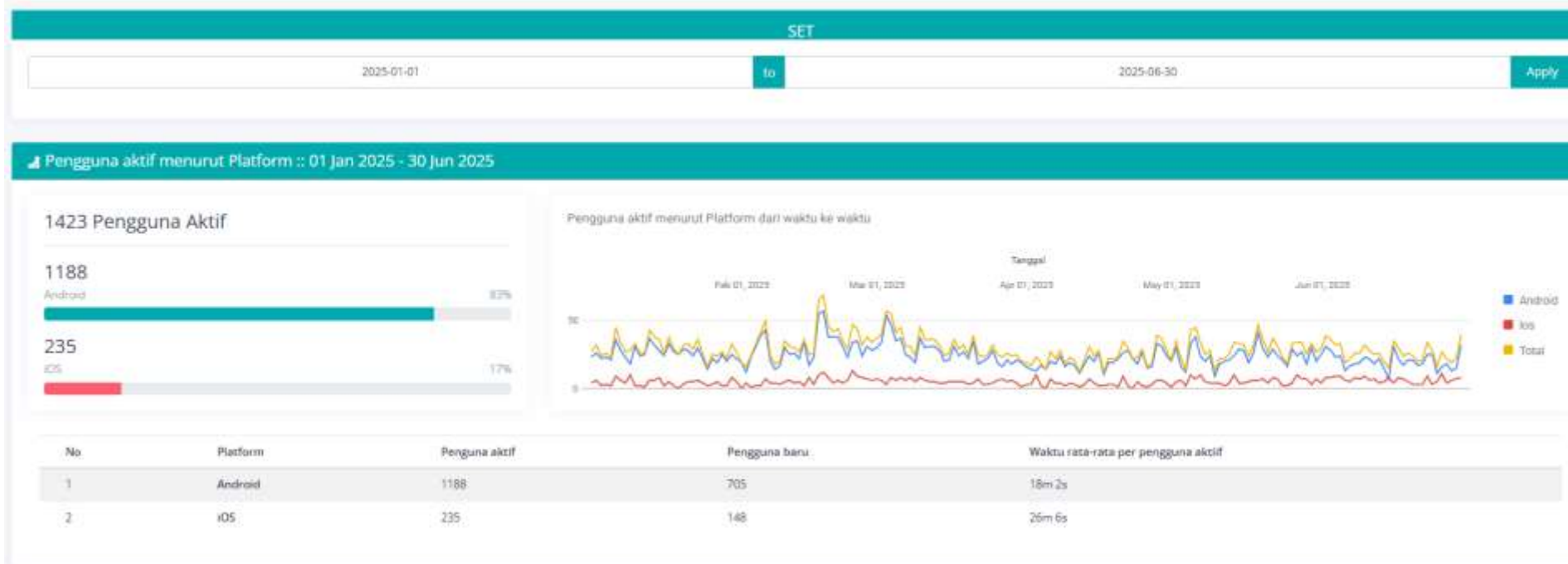
Rekap PKB Pustakawan

No	Jenis	Tahun					Jumlah	Rata-rata
		2021	2022	2023	2024	2025		
1	Sertifikat Ditata manajemen perpustakaan	0	4	0	0	0	4	0.2
2	Sertifikat Ditata sistem perpustakaan	0	1	0	0	1	1	0.2
3	Sertifikat kompetensi pustakawan	1	10	7	0	0	18	0.8
4	Sertifikat kompetensi pustakawan, 40% dalam keprofesionalan	20	100	100	0	0	220	11.4
5	Sertifikat keprofesionalan	10	30	21	0	0	61	2.1
Jumlah		31	135	107	0	0	273	13.8

Rata-rata keprofesionalan: 100% (per tahun)

a. Yoka Adam Nugraha, S.Sos.
USJH 04

No	Jenis	Tahun					Jumlah	Rata-rata
		2021	2022	2023	2024	2025		
1	Manajemen	0	0	0	0	0	0	0
2	Teknis	0	0	0	0	0	0	0
3	Kelembutan	0	0	0	0	0	0	0



Mobile Apps & Dashboard Report

Library Event



Conclusion: Moving Forward

- ITB Library is actively transforming through digital innovation and sustainable practices.
- We are working to integrate systems, digitize valuable knowledge, and expand access for all campuses.
- New tools like dashboards and mobile apps are improving user experience and decision-making.
- Moving forward, ITB Library will continue to grow as a future-ready knowledge hub—inspiring learning, enabling research, and contributing to ITB's vision as a 4th Generation University



INDONESIA

Country Report

Thank You

20th AUNILO MEETING

22th - 24th July 2025

