

Country Report

INDONESIA

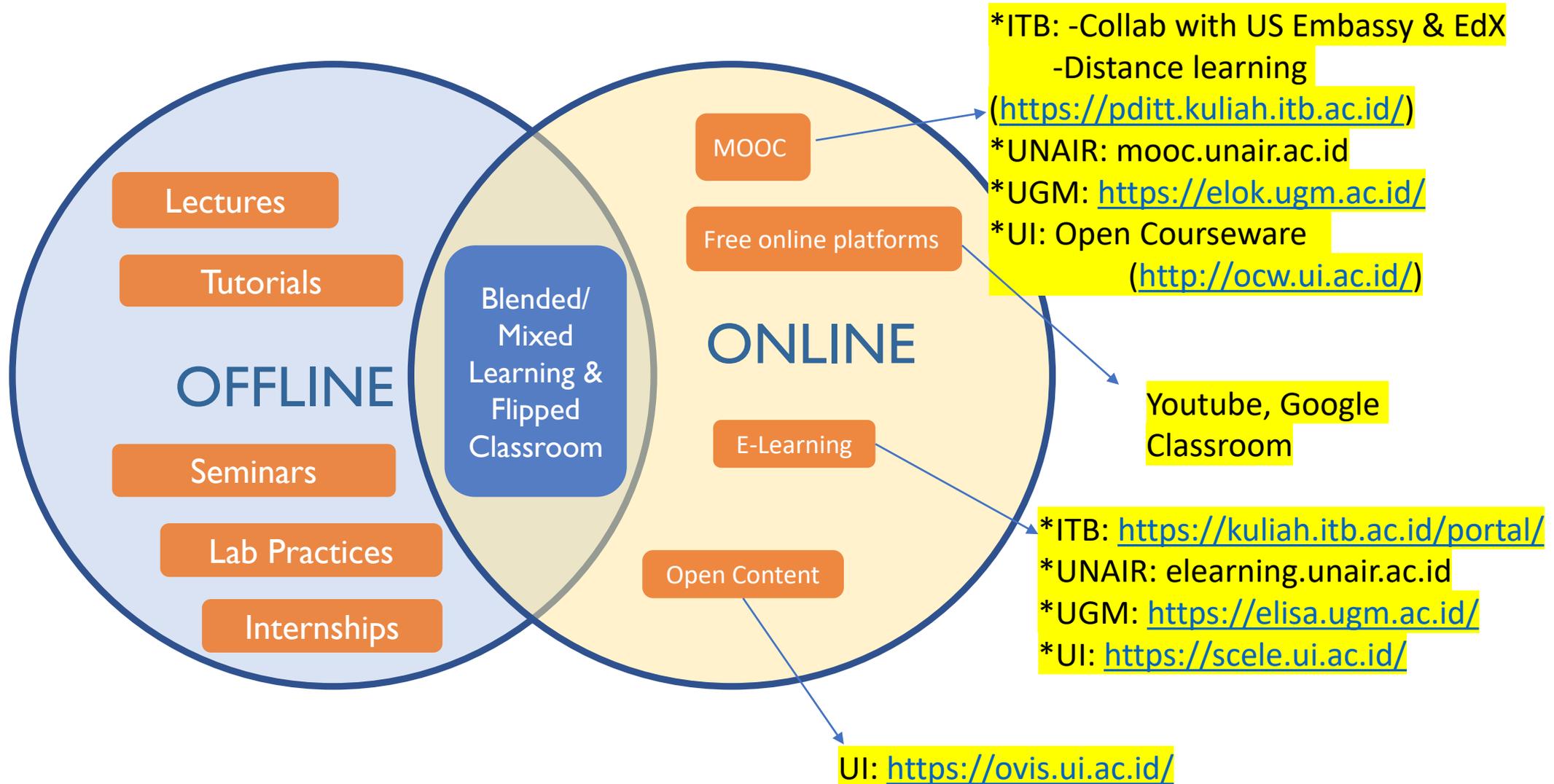
AUNILO MEETING

Yogyakarta, 5-8 August 2019

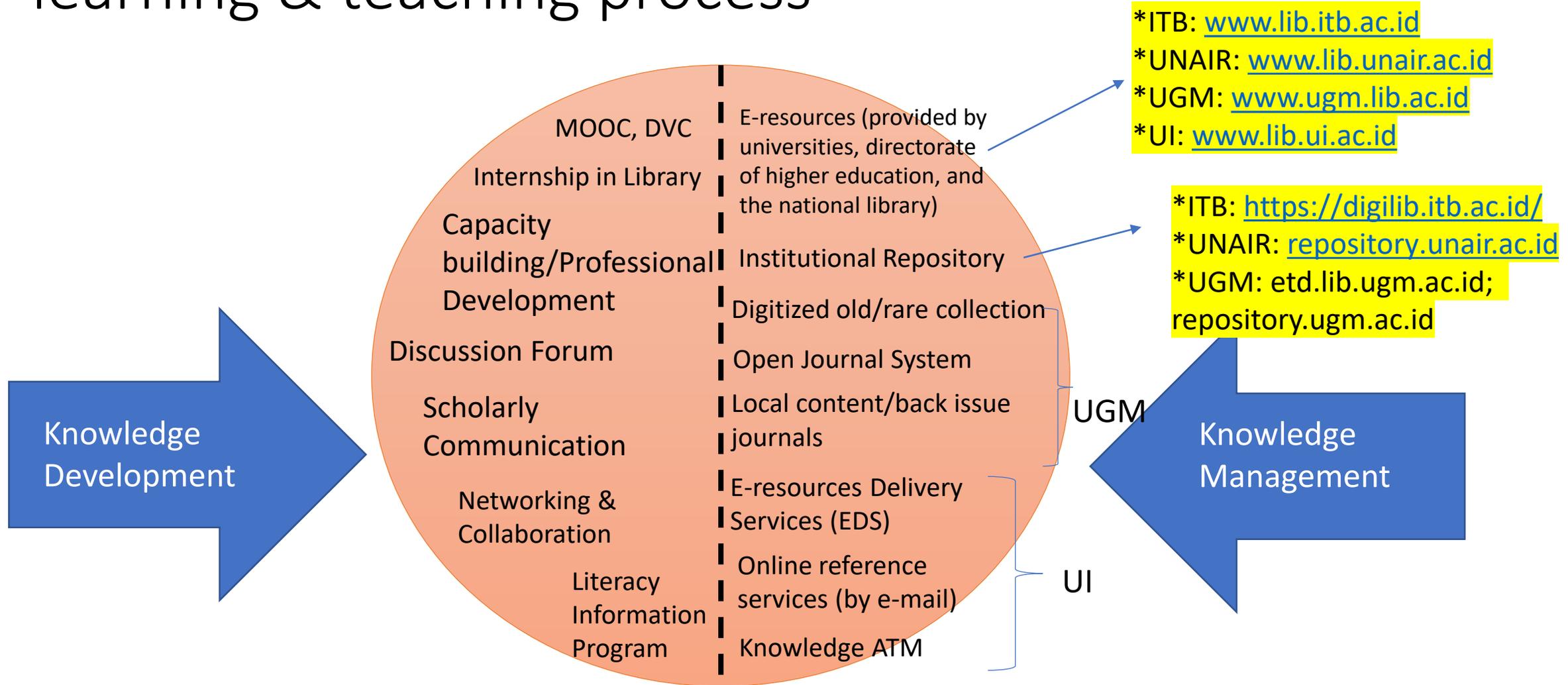
**Enhancing Roles of AUN Libraries in Supporting
Education 4.0: Opportunities and Challenges**

	ITB	UNAIR	UGM	UI
Location	Bandung, West Java Province	Surabaya, East Java Province	Special Region of Yogyakarta	Depok, West Java Province
Field of Studies	STEAM and Business Management	STEM, Social Sciences, & Humanities	STEM, Social Sciences, & Humanities	STEM, Social Sciences, & Humanities
Student Population	A. Undergraduate: 15,512 B. Graduate: 5,679 (Master), 936 (Doctor)	A. Undergraduate: 25,813 B. Graduate: 9,023	A. Undergraduate: 5,462 (vocational); 25,480 B. Graduate: 8,716 (master); 1,793 doctor); 2,054 (professional); 1,173 (specialist)	A. Undergraduate: 28,395 B. Graduate: 10,062 (Master), 1,996 (Doctor), 950 (Professional Program), 2,499 (Specialist Program)
Faculties	A. Undergraduate: 7 Faculties and 5 Schools B. Graduate: 7 Faculties and 5 Schools	A. Undergraduate: 14 B. Graduate: 1	A. Undergraduate: 18 faculties, 1 school (vocational) B. Graduate: 18 faculties, 1 school (graduate)	A. Undergraduate: 14 Faculties B. Graduate: 14 Faculties and 2 Schools
Departments/Study Programs	A. Undergraduate: 49 B. Graduate: 54 (Master), 27 (Doctor)	A. Undergraduate: 62 B. Graduate: 44 (Master) 13 (Doctor)	A. Undergraduate: 27 (vocational); 67 B. Graduate: 12 (professional); 26 (specialist); 86 (magister); 47 (doctor)	A. Undergraduate: 63 B. Graduate: 67 (Master), 37 (Doctor), 5 (Professional Program), 43 (Specialist Program)
Faculty Members	1. Professor: 167 2. Associate Professor: 299 3. Assistant Professor: 443 4. Instructor: 133	1. Professor: 219 2. Associate Professor: 386 3. Assistant Professor: 650 4. Instructor: 399	1. Professor: 378 2. Associate Professor: 615 3. Assistant Professor: 1194 4. Instructor: 932	1. Professor: 235 2. Associate Professor: 401 3. Assistant Professor: 606 4. Instructor: 476
Libraries	1 Central Library & 31 Libraries in Faculties/Schools/Study Programs	1 Main Library & 13 libraries in faculties	1 Main Library 18 Faculty libraries 2 School libraries 21 libraries at research centres	1 University Library 10 Libraries/Reading Room in Faculties/Schools
Librarians	12 (in Central Library) & 37 (in Faculties/Schools/Study Programs' Libraries)	30 (in Main Library) & 20 (in faculties)	48 librarians 26 assistant librarians 32 support staff (clerical, IT)	14 librarians 35 staffs with library science degree
Ratio Fac. Members and Students	1:17	1:21	1: 15	1:23

Learning and Teaching Methods



Library Roles in LMS Implementation to support learning & teaching process



Library Initiatives, Plans, Experiences, and Innovations

INITIATIVES

Library integrated IT system (with student/fac/staff database) & library automation

Scholarly communication services/Research library initiatives

Mobile Apps

External internship for librarians for professional development

PLAN

To map lib. business process with other units & to connect lib. and univ. population databases for supporting learning & teaching process as well as OER dissemination

To establish digital scholarship center for research data management and academic integrity implementation

To optimally utilize social media as a platform to spread information about OER & library services

To provide maker space & more co-working spaces

EXPERIENCES

Improvement of Institutional Repository

E-Resources Provision

MOOC & DVC

Upgrade Library Automation

Social Media & Community Engagement

Academic/Research integrity services

Mobile Apps

Online Self-Submission system

EXPECTED INNOVATIONS

Integrated database & interconnected systems between libs & other units within universities to support LMS & to simplify business process

Library roadshow programs & library class by request

Book donation to foster literacy in remote areas

Research integrity services

Knowledge-based industry

Strategic alliance w/ intl & national institutions

Opportunities and Challenges in delivering library programs & services

Challenges

- Financial Constraint: budget < needs (due to increasing fee of online subscription)
- Human Resources: digital migrant librarians' IT skills & attitude toward technology)
- Infrastructure: (i) the need of more co-working/learning space, (ii) technology (e.g. limited IP address, tech. development)
- Users: ethic (related to excessive download), decreasing number of visitors (esp. faculty members) due to online access
- Bureaucracy: (i) limited lib. roles with regards to e-learning,)ii) Silos among units within the campus hindering integration and orchestration
- Other: the need of better formulated strategic planning on digital scholarship

Opportunities

- Users: (i) technologically savvy users consisting mostly digital natives, (ii) increasing virtual visits, (iii) positive attitude of faculty members on the development of OER & e-learning/MOOC
- Rebranding of libraries as learning & co-working spaces
- Technology: optimum use of technology, big data & AI to support LMS, broader access of OER
- Strong networking with internal and external institutions
- Universities' international accreditation target as a motivation to boost library performance

Concluding Remarks

To support education 4.0, Indonesian university libraries need to:

1. rebrand into offline and virtual co-working spaces allowing the libraries to support LMS & to foster academic/research integrity in education 4.0
2. maximize the opportunities as an avenue to enhance libraries' roles in education 4.0
3. to transform challenges into opportunities so that libraries will not only be relevant but also thrive in education 4.0

DETAILS OF EACH UNIVERSITY

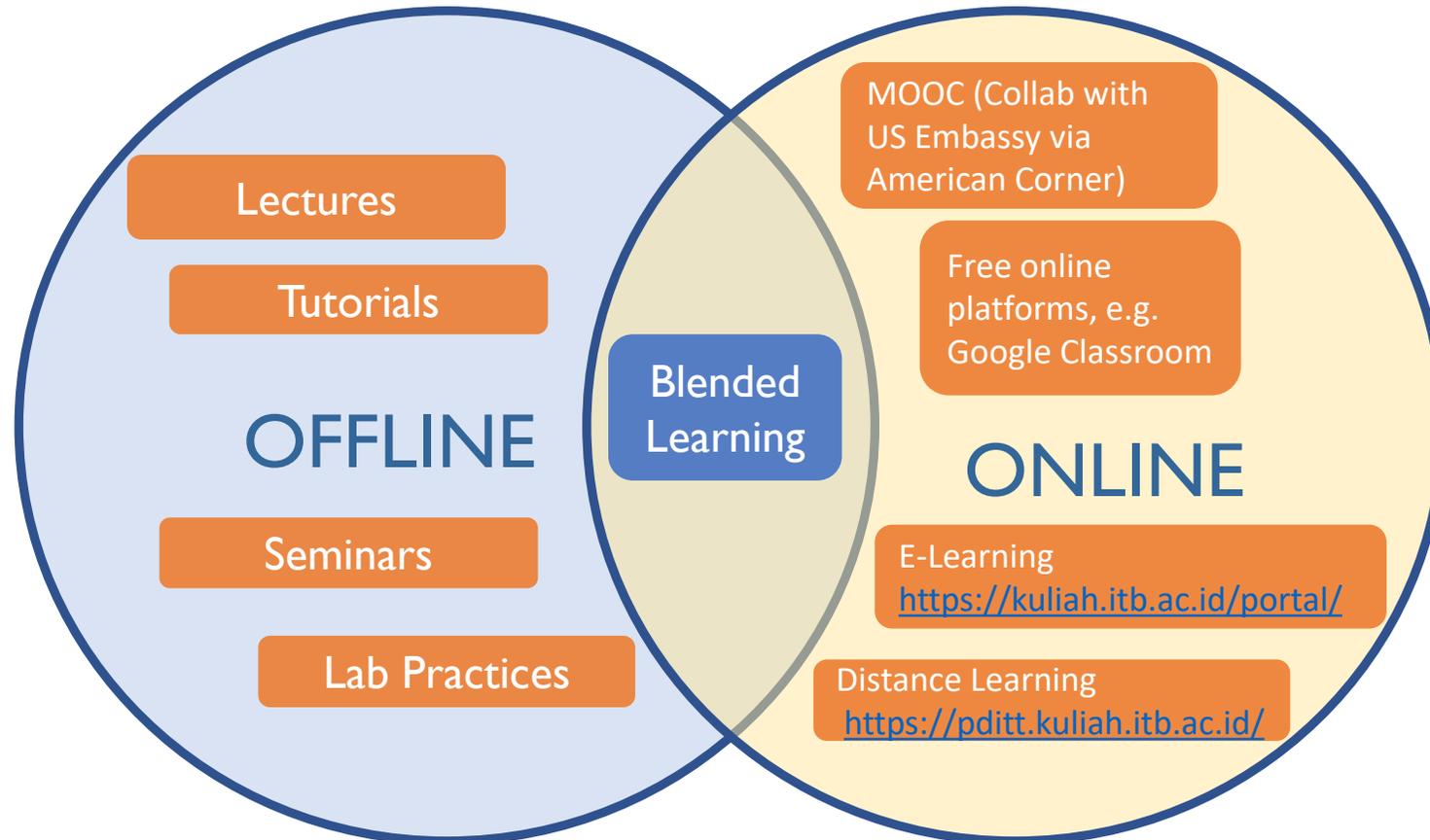
APPENDICES



Enhancing Roles of AUN Libraries in Supporting Education 4.0: Opportunities and Challenges

INSTITUT TEKNOLOGI BANDUNG

Learning and Teaching Methods





Direct Video Conference (DVC)



Lecture



Lab Practice



MOOC

IB5202 Management Research Design - MSM General 2018 - 2018/2019 Second Semester

Stream Classwork People

+ Create Google Calendar Class Drive folder

All topics

- Supervision Meeting Saha
- Book Review
- Research Timeline
- Introduction Chapter
- Literature Review Draft Co
- Portal Thesis Proposal
- Data Collection Field Rese
- Thesis Research Propo

TASK 1 and TASK 2
Due Apr 23, 11:00 AM Posted Apr 22

Supervision Meeting Schedule

Schedule of Regular Supervision Meeting
Due Jan 24, 9:09 AM Posted Jan 22

Book Review

Review of a Book on Literature ReviewWite...
Due Feb 14, 8:59 AM Posted Jan 22 (08:04 Jan 22)

Research Timeline

Research Timeline
Due Jan 24, 8:59 AM Posted Jan 22

Introductory Chapter

Writing the Introductory Chapter
Due Jan 31, 11:00 PM Posted Jan 25

Literature Review Draft Consultation

Literature Review Draft
Due Feb 22 Posted Feb 19

Google Classroom

E-Learning

LAYANAN PADA KULIAH ONLINE ITB



MAHASISWA ITB

Akses bahan materi ajar dan bacaan, upload tugas, ikut kuis, serta berinteraksi tanya jawab dengan dosen, pembimbing, asisten, rekan mahasiswa lebih mudah dengan Kuliah Online. Segeralah login dan cek tugas terkini yang saat ini harus segera diselesaikan. Klik link/tombol berikut untuk layanan bagi mahasiswa ITB lebih rinci.

Layanan Mahasiswa



DOSEN / STAF ITB

Upload materi bahan ajar, menyelenggarakan kuis / asesmen belajar, bimbingan dan diskusi jarak jauh dengan videoconference atau webconference saat ini sudah bisa dilakukan dengan mudah melalui Kuliah ITB online. Klik link / tombol berikut untuk informasi lebih lanjut.

Layanan Dosen



MAHASISWA / UMUM

Akses materi kuliah ITB, pengambilan kredit mata kuliah online, berinteraksi dan diskusi jarak jauh dengan pakar-pakar di ITB, mengikuti training, atau kunjungan studi banding ke kuliah ITB online bisa dilakukan dengan mengakses pada link / tombol berikut. Semuanya kami siapkan untuk Anda pengunjung portal Kuliah ITB.

Layanan Umum

LMS SEKOLAH & FAKULTAS INSTITUT TEKNOLOGI BANDUNG



Selamat datang di Portal SPADA ITB

Sebagai salah satu Perguruan Tinggi yang ditunjuk Kemendikbud sebagai Perguruan Tinggi Provider Mata Kuliah SPADA (sistem Pembelajaran Daring), ITB menyediakan beberapa mata kuliah online yang dapat diikuti secara gratis oleh seluruh mahasiswa dari perguruan tinggi di Indonesia. Setiap mahasiswa yang telah mengikuti seluruh proses pembelajaran dan dinyatakan lulus, berhak mendapatkan sertifikat dan transkrip nilai dari ITB yang diakui keabsahannya oleh Direktorat Jenderal Pendidikan Tinggi (DIKT) untuk dikonversi di perguruan tingginya masing-masing. Temukalah pengalaman belajar yang mengesankan melalui program SPADA ITB. Pembelajaran online yang berkualitas adalah milik anda. Mendaftarlah sekarang juga dan ikuti beberapa mata kuliah berikut secara gratis!

Panduan Registrasi

Ketentuan

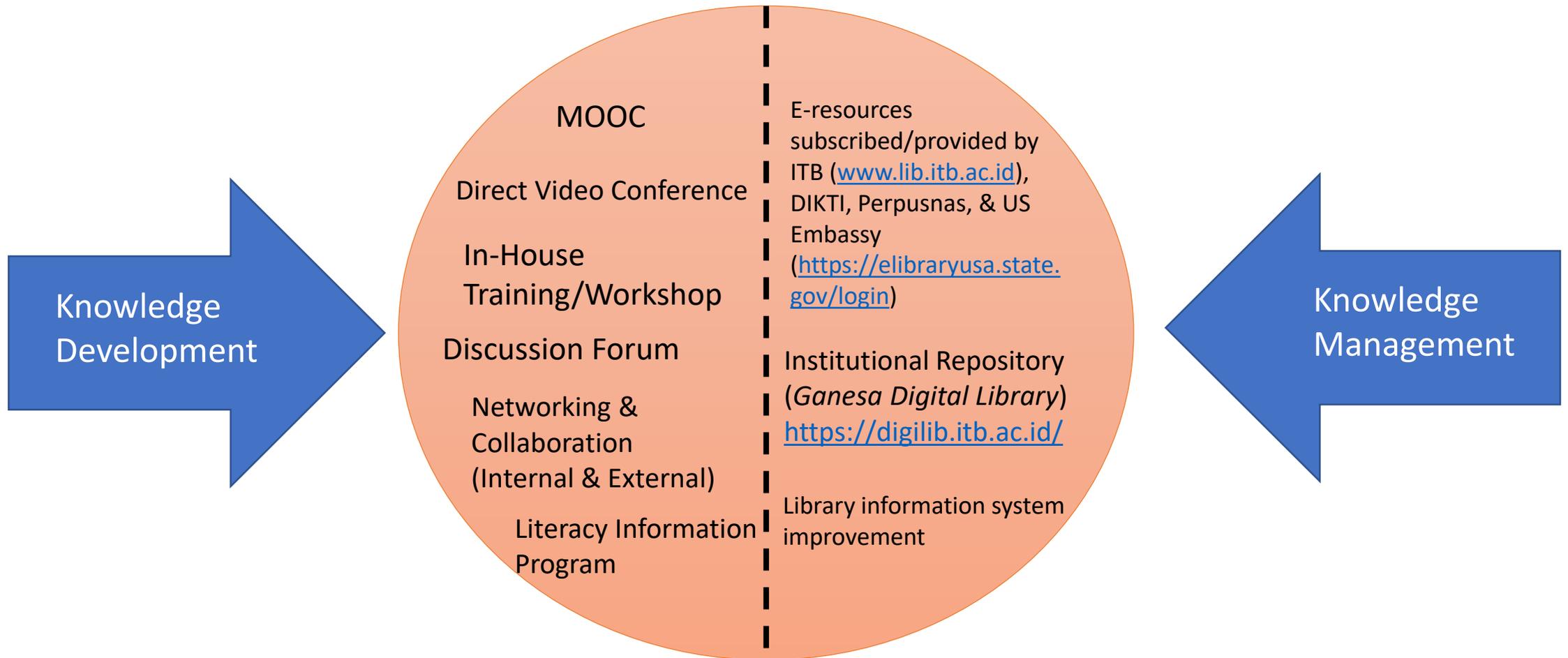
Matakuliah SPADA

Distance Learning

<p>TA2105 Kristal, Mineral, dan Batuan</p> <p>Tanggal Mulai : 2019-03-16 Tanggal Selesai : 2020-03-16</p> <p>Dituku Registrasi</p>	<p>OS2101 Pendahuluan Oseanografi</p> <p>Tanggal Mulai : 2019-03-16 Tanggal Selesai : 2020-03-16</p> <p>Dituku Registrasi</p>	<p>Medan Elektromagnetik 2</p> <p>Tanggal Mulai : 2019-03-16 Tanggal Selesai : 2020-03-16</p> <p>Dituku Registrasi</p>	<p>BI3101 Ekologi</p> <p>Tanggal Mulai : 2019-03-16 Tanggal Selesai : 2020-03-16</p> <p>Dituku Registrasi</p>
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Lihat Matakuliah Lainnya >>

Library Roles in LMS Implementation to support learning & teaching process





Public Lecture with US Embassy



Literacy Information Program



In-house Training



Direct Video Conference (DVC)

Perpustakaan Digital ITB Kontak

Latest Article

MASJID SITU CIBURUY
12 Jun 2019, Anna Maulida Tazkia, Permana, S.T., M.T.;
PENGEMBANGAN FOLDED PENDULUM SEBAGAI SENSOR GETARAN SATU DIMENSI BERBASIS GIANT MAGNETORESISTANCE (GMR)

12 Jun 2019, Al Bara Harahap, Prof. Dr-Ing. Mitra Djamali;
Beyond property: Industrial estates and post-suburban transformation in Jakarta Metropolitan Region

12 Jun 2019, Tommy Firman, -
STUDI PARAMETRIK KARAKTERISTIK IMPAK PADA BEJANA TEKAN MENURUT KRITERIA KEGAGALAN PUNCTURE DAN API 579

12 Jun 2019, Marlopi, Rachman Sellawan, S.T., M.Sc., Ph.D.;
Beyond property: Industrial estates and post-suburban transformation in Jakarta Metropolitan Region

12 Jun 2019, Delik Hudalah, -

- [Fakultas Ilmu dan Teknologi Kebumian \(FITB\)](#)
- [Fakultas Matematika dan Ilmu Pengetahuan Alam \(FMIPA\)](#)
- [Fakultas Seni Rupa dan Desain \(FSRD\)](#)
- [Fakultas Teknologi Industri \(FTI\)](#)

Cari

CARI

Pencarian Lanjut

Jenis Koleksi

- S1-Tugas Akhir
- S2 - Tesis
- Anggota
- Jurnal elektronik
- Literatur Kelabu
- Prosiding
- S3-Disertasi
- Organisasi
- Kliping Elektronik
- Buku
- Buku elektronik
- Direktori Pakar
- Laporan Penelitian

Digital Library/Institutional Repository

UPT Perpustakaan

Home Link Layanan Online Orientasi Online Download Tentang Perpustakaan Corner Berita Event

Registrasi Event SOP Lintas Unit Perpustakaan ITB Library on Your Hand Pathfinder

FOLLOW: [f](#) [t](#) [g+](#) [i](#)

EVENT

< < 2019 > >

June

List

No Events

ARCHIVES

Archives

Select Month

CATEGORIES

Agenda



JENIS KOLEKSI - TENTANG PERPUSTAKAAN 25 AUG, 2016

31 MAY, 2019

Pengumuman Perpustakaan

Selama libur cuti

31 MAY, 2019

Selamat Hari Raya Keluarga Besar UPT Perpustakaan Institut

29 MAY, 2019

Cuti Bersama Hari Raya Idul Fitri 1440 H

MORE

PPID



PENELUSURAN E-JOURNAL

Search **SEARCH**

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americanspaces
elibraryusa

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Email

Password

Login

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Perpustakaan ITB @ITBLibrary

Home About Photos Videos



Liked Following Share ... **Send Message**

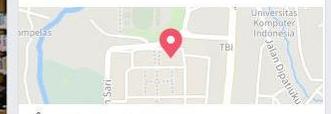
Library Social Media

Community See All

14,252 people like this

Nia Kurniasih, SBarri and 11 other friends like this or have checked in

About See All

Jl. Ganesa 10 Bandung 40132

ITB Library Initiatives, Plans, Experiences, and Innovations

INITIATIVES

Data integration of students, faculty members, courses offered, and library resources

ITB's Interconnection with E-Learning Center and Institute for Research and Community Service

Mobile Apps

PLAN

To connect the library and ITB student & faculty members databases in order to assist the students and faculty members resources required for the courses they enroll/teach.

To connect with ITB E-learning Center in order to facilitate the OER dissemination

To optimally utilize social media as one of the platforms to spread information about OER and OER content

EXPERIENCES

Development & improvement of Institutional Repository (Ganesa Digital Library)

E-Resources Provision

Organizing MOOC & DVC

Social Media Management for OER dissemination

EXPECTED INNOVATIONS

Integrated database

Library integration with relevant organizations within ITB to support LMS

Effective OER dissemination

Opportunities and Challenges in delivering library programs & services:

Challenges

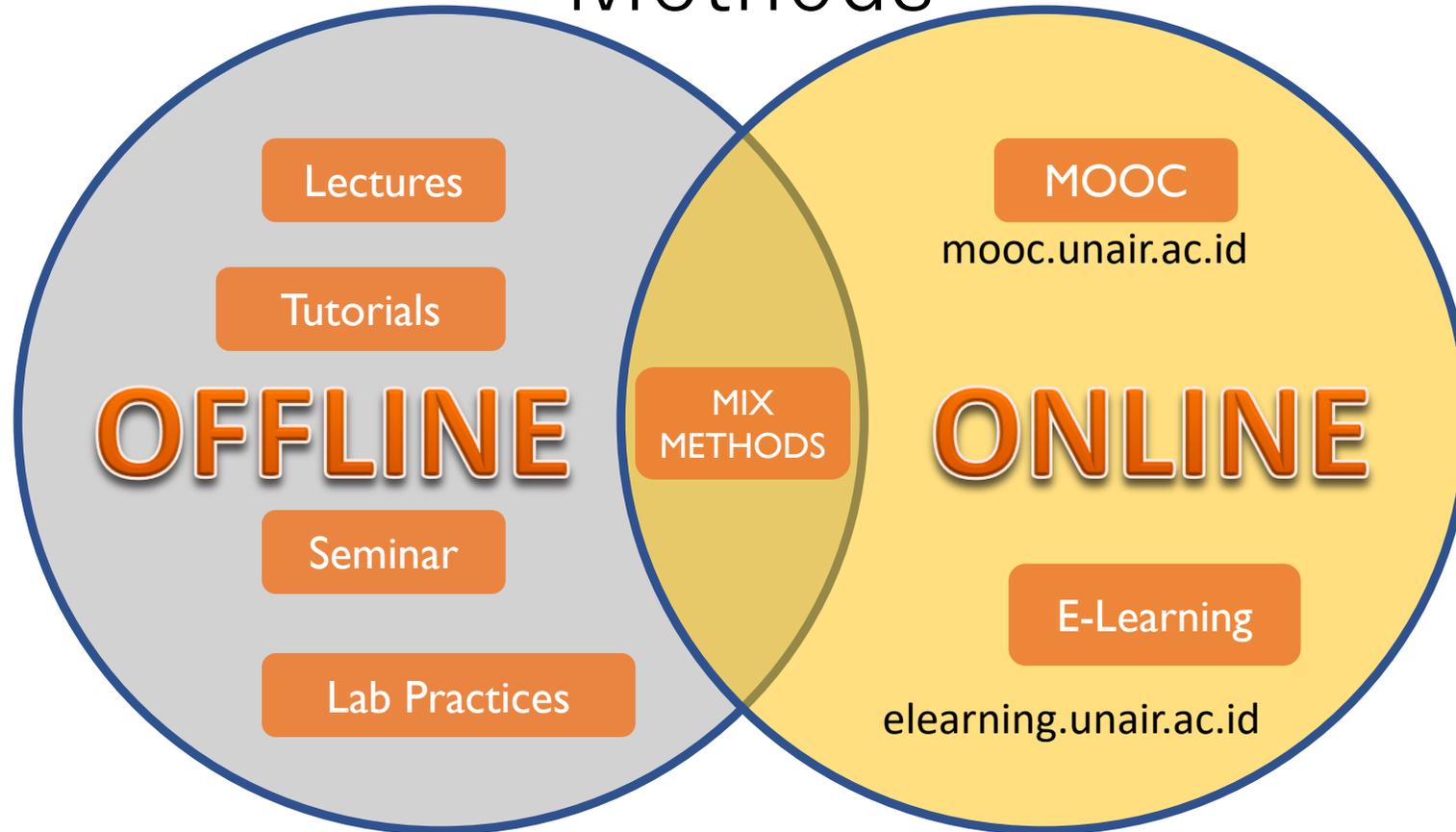
- Technology Infrastructure: Limited IP address
- Financial Resources: Limited budget
- Human Resources: Digital migrant librarians' anxiety in the digital age
- Library users: Ethic
- Bureaucracy

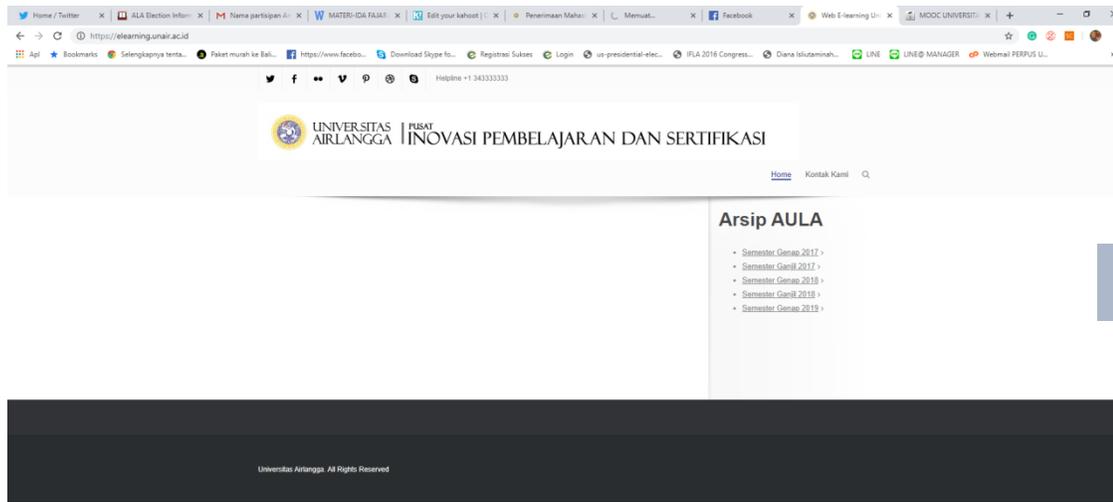
Opportunities

- Human Resources: Digital native students, technologically oriented faculty members
- STEM oriented institution
- International accreditation target
- Strong networking with internal units, other university libraries, foreign governments, alumni, & various international organizations
- Positive inclination of faculty members to incorporate OER & technology in their teaching materials (94 faculty members) and to actively utilize e-learning as well as to share OER their teaching & learning activities (231 faculty members)

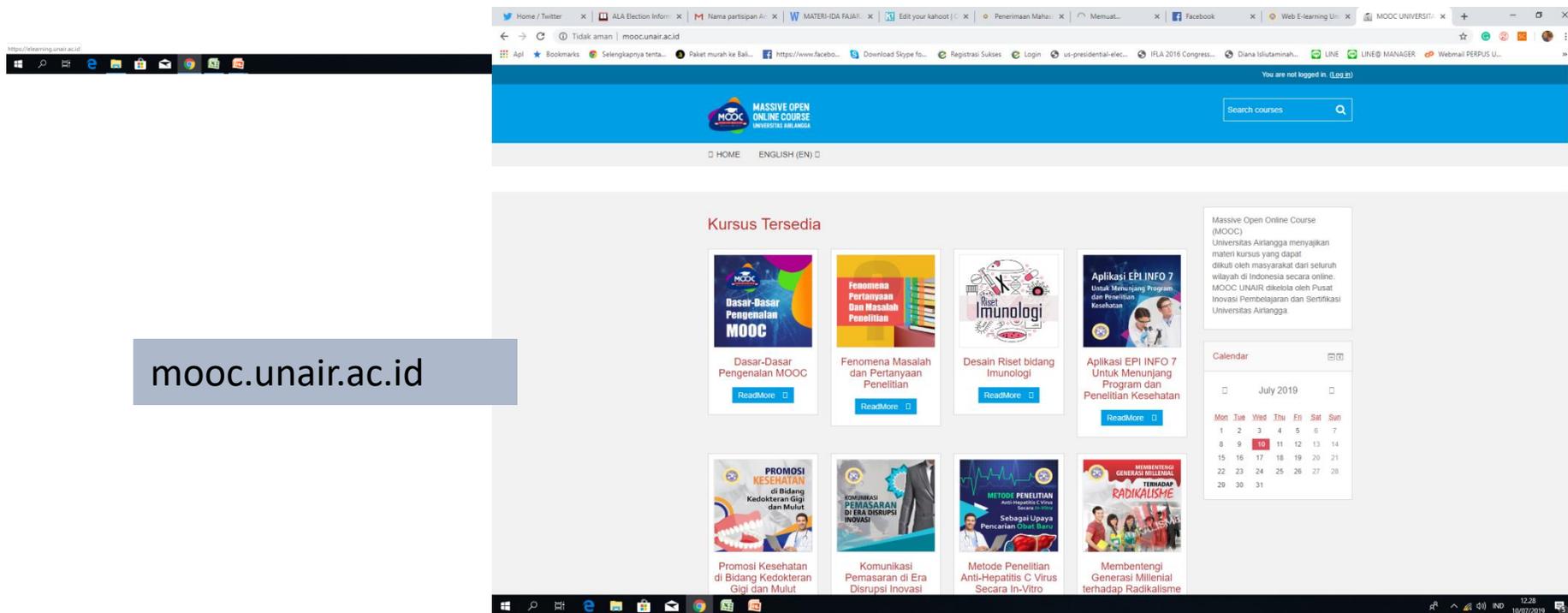


Learning and Teaching Methods

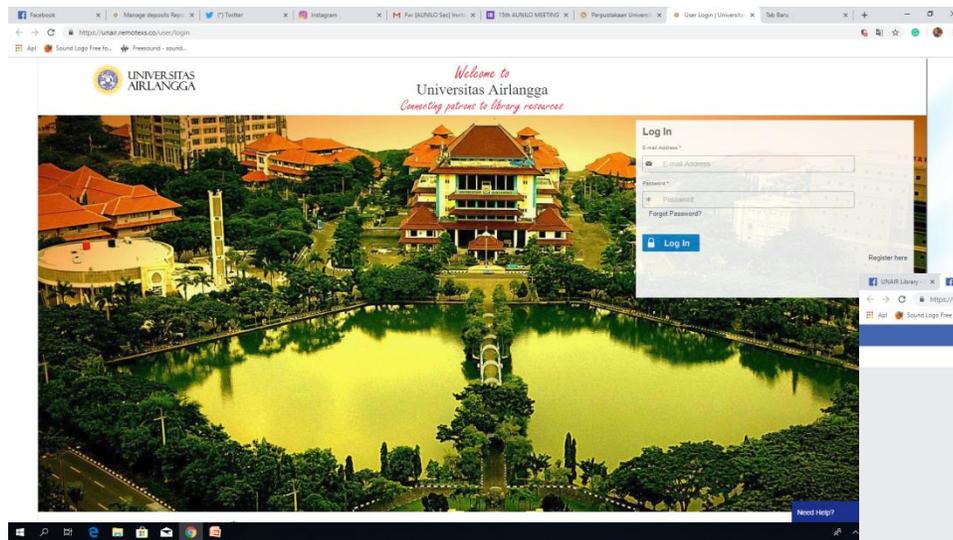




elearning.unair.ac.id

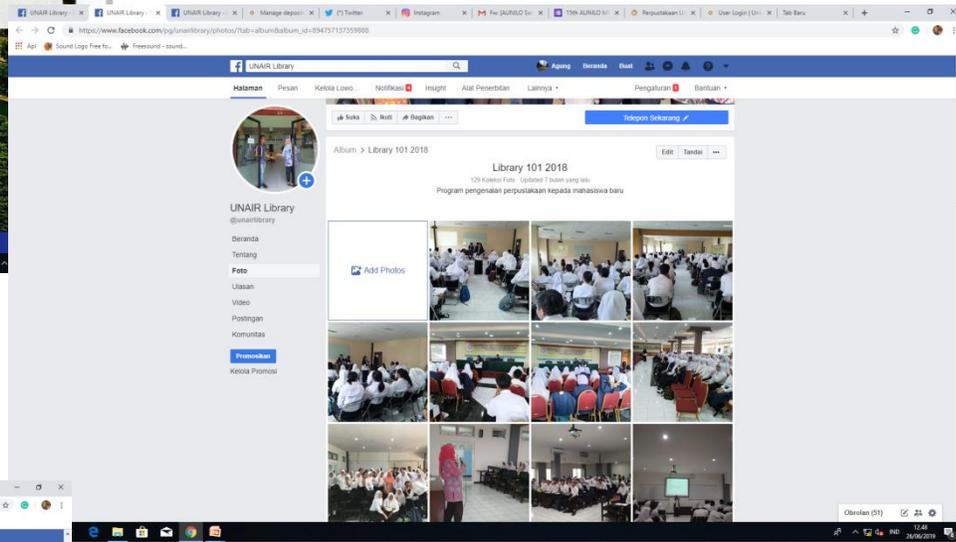


mooc.unair.ac.id



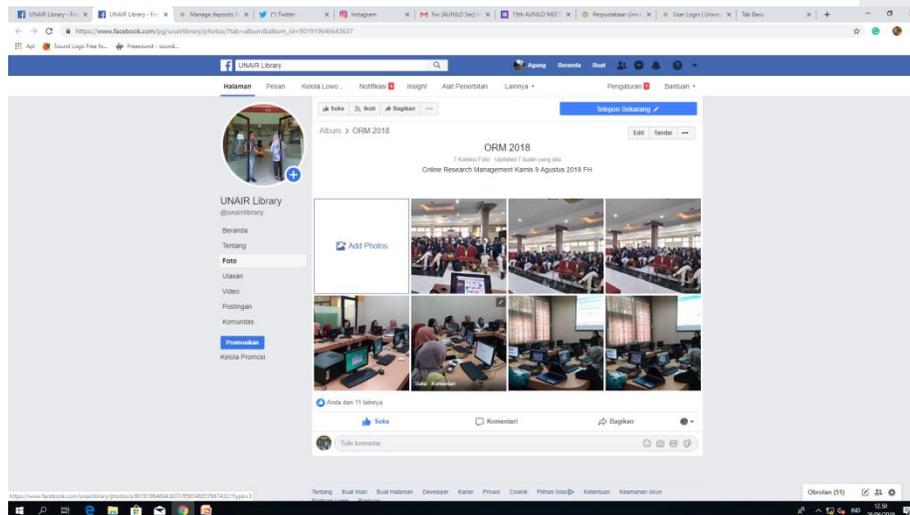
LIBRARY 101

The basic information about our library



REMOTEXS SYSTEM

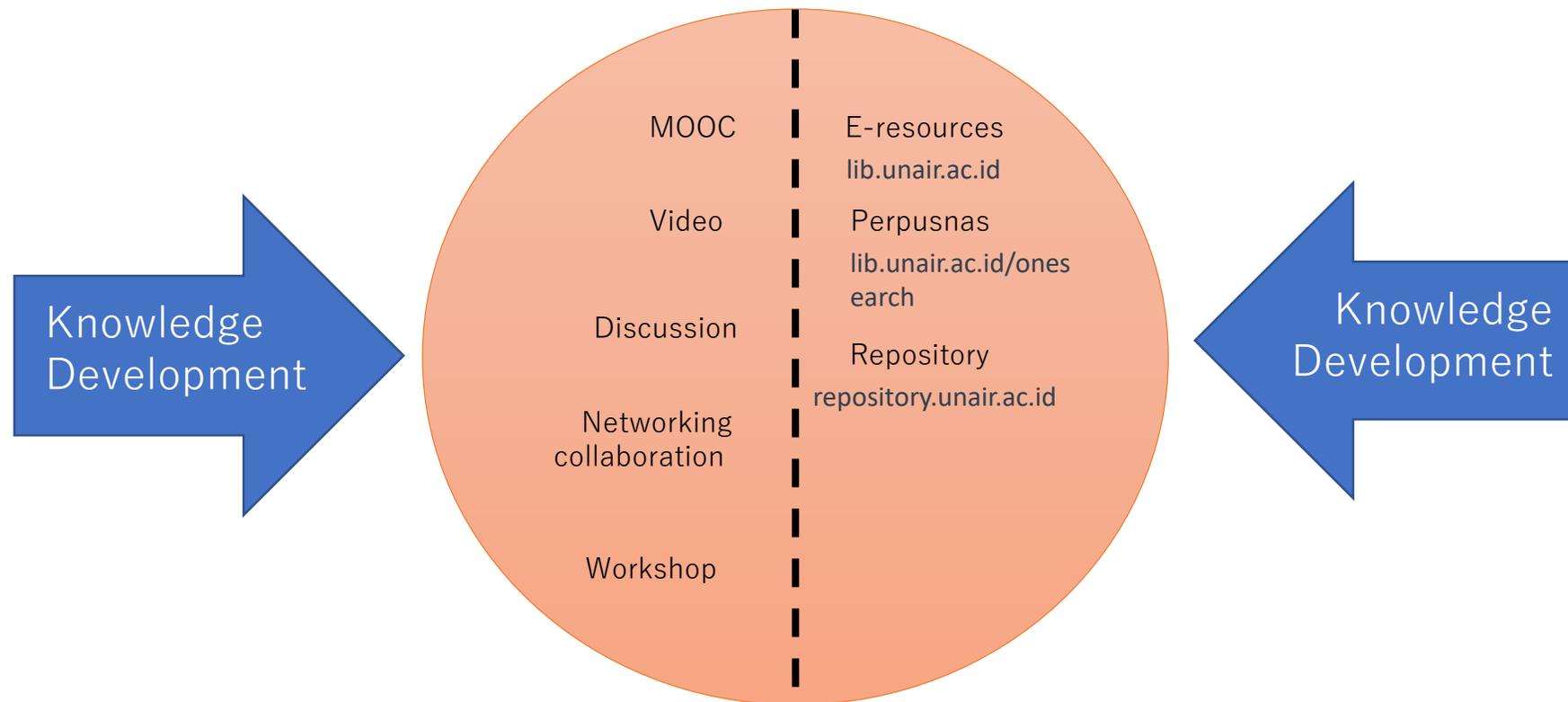
Free access our journal at home



ORM

The tutorial, how to search article or how to use our journal

Library Roles in LMS Implementation to support learning & teaching process





MUSICOUSTIC
Mini Concert

SOFTSKILL ACTIVITIES

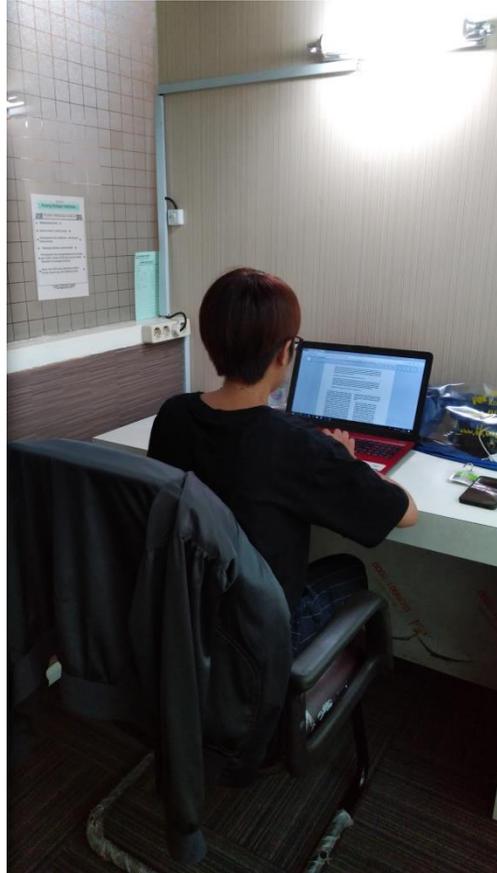


CHIT CHAT
Conversation in English



PARTANA
Group Studying Room

RUBELIN
Individual Studying Room

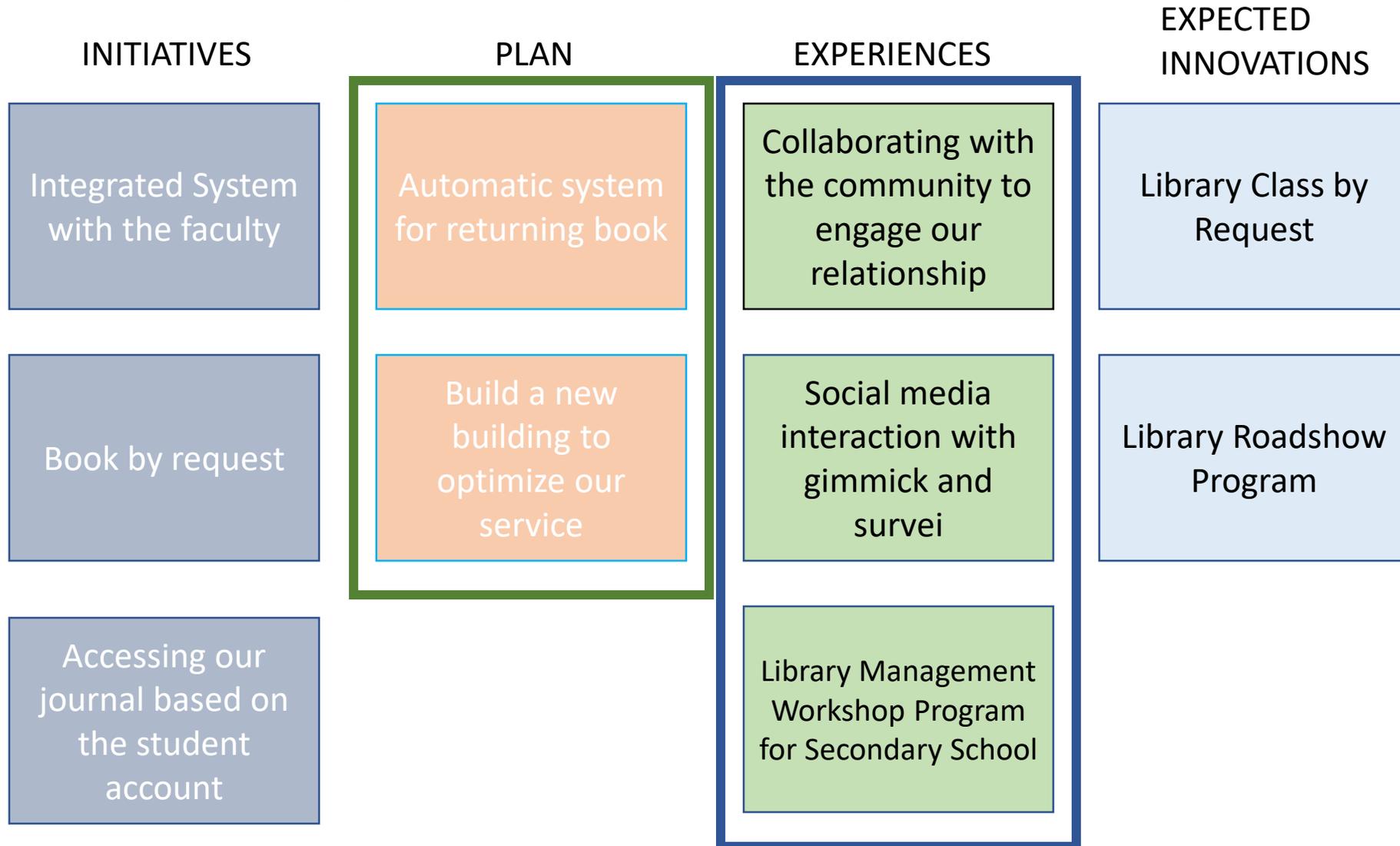


LIBRARY CAFE
Collaboration Space for discussing
Food and Beverage allowed

DISCUSSING ROOM



UNAIR Library



Challenges and opportunities

CHALLENGES

Technology infrastructure,
Increasing the visitors
especially our lecturer

OPPORTUNITIES

Library Networking, Human
Resources (our librarian)



UNIVERSITAS
GADJAH MADA

[Berita](#) [Arsip Berita](#) [Simaster](#) [Palawa](#) [Webmail](#) [Direktori](#)

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[TENTANG UGM](#)

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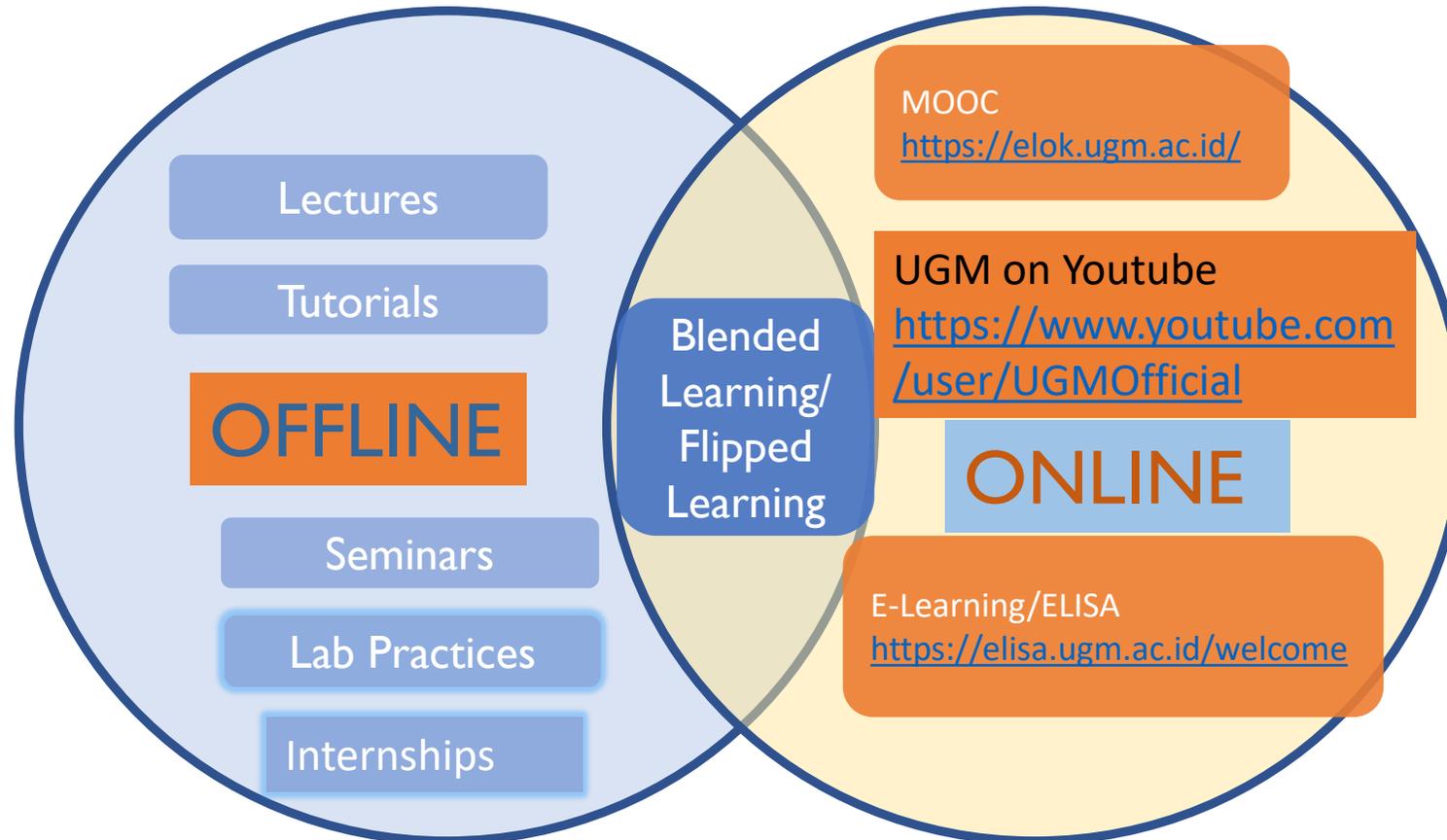
[PENDAFTARAN](#)

Search ...



UNIVERSITAS GADJAH MADA

Learning and Teaching Methods at UGM





UNIVERSITAS GADJAH MADA

 **eLOK.ugm.ac.id**
e-Learning: Open for Knowledge Sharing

eLOK adalah sebuah sistem *e-Learning* yang digunakan untuk implementasi MOOC (*Massive Open Online Courses*) di Universitas Gadjah Mada.



28

**MITRA
PERGURUAN TINGGI**

Dari berbagai wilayah di Indonesia.





Berita UGM

Pelopop perguruan tinggi nasional berkelas dunia yang unggul dan inovatif,



eLOK UGM

MOOC UGM untuk khalayak umum sebagai kontribusi UGM untuk



eLisa Help Desk

Anda mengalami kendala dalam menggunakan eLisa? Silakan hubungi

Cari

Biologi

Ekonomika dan Bisnis

Farmasi

Filsafat

Geografi

Hukum

Library Roles in LMS Implementation to support learning & teaching process – **Learning resources**

- Print library collection (books, journals, proceedings, academic papers)
- Subscription-based commercial databases (e-databases, e-books, e-journals)
- Institutional repositories (etd.lib.ugm.ac.id; repository.ugm.ac.id)
- Digitized old/rare collection (langka.lib.ugm.ac.id/)
- Open Journal System (jurnal.ugm.ac.id)
- Local content/back issue UGM journals (i-lib.ugm.ac.id/jurnal/index.ph)

Resources

Subscribed databases)



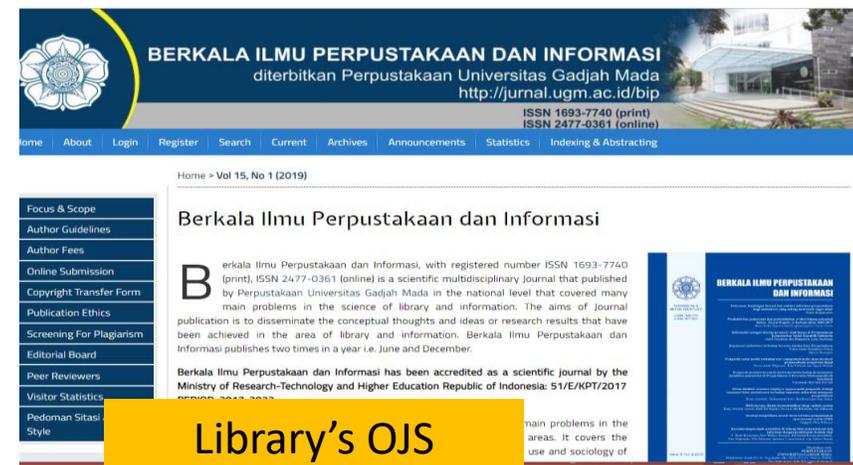
UGM Journals (back issues)



UGM OJS



Rare collection



Library's OJS

Library Roles in LMS Implementation to support learning & teaching process – Programs/Activities

- Information literacy
- Capacity building (Workshops, Trainings)
- Knowledge development (Seminars, Talk shows)
- Scholarly communication (Academic Writing, Antiplagiarism)
- Internships (part-time job in the library)
- Networking and collaboration
- Book donation (for students conducting community service)

Programs/Activities



seminar



workshop



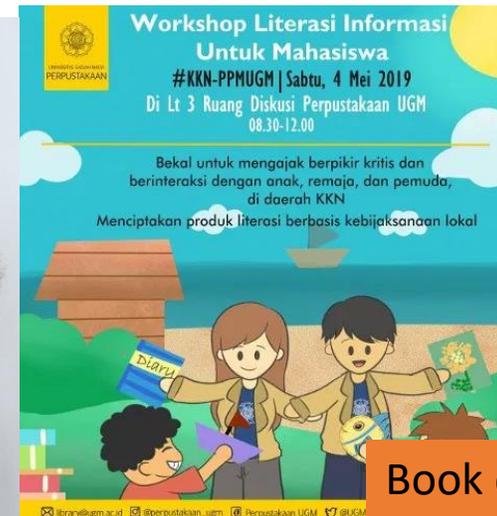
Talk show



Networking & collaboration



internship



Book donation for community service



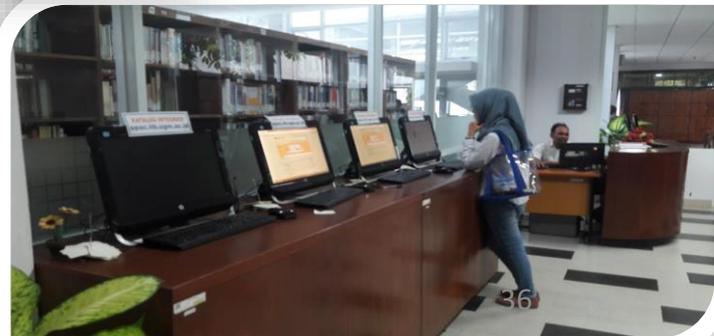
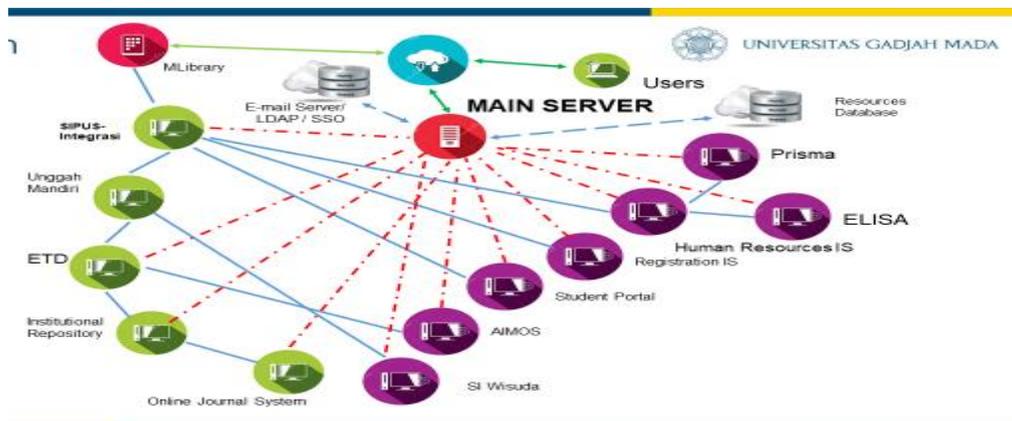
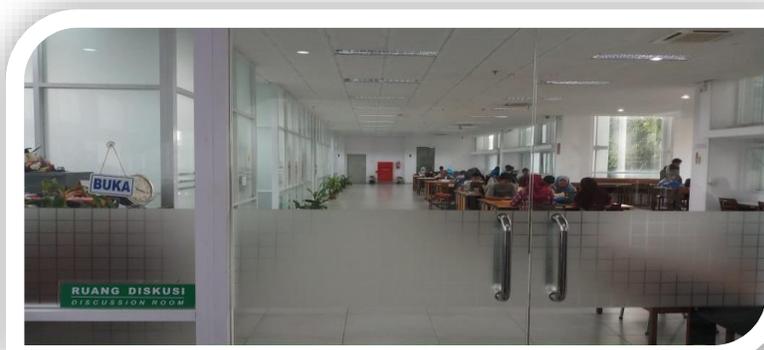
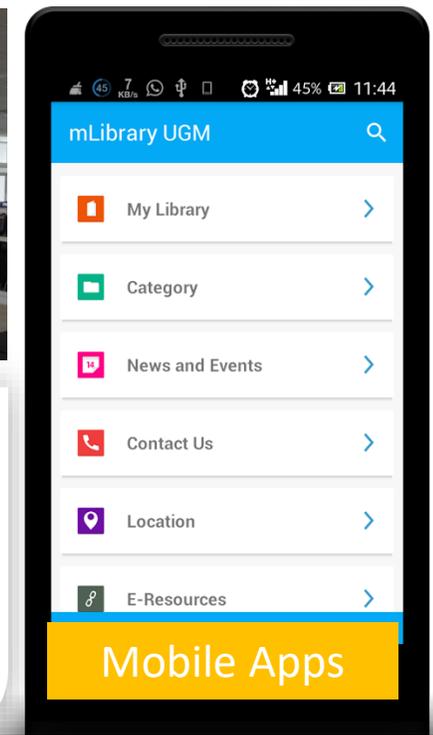
Library Roles in LMS Implementation to support learning & teaching process - **Facilities**



32 spots /
1920 users



Bandwidth
2 GB



Library initiatives, plans, experiences, and innovations

Initiatives

- Library automation system in 2000s
- Integrated library automation system since 2013
- Scholarly communication service
- Library part-time jobs for students' soft skills development
- External internship program for library staff development

Plans

- More facilities for makerspace and co-working space
- Research data management
- Dashboard to facilitate real time data of library in numbers
- Integration of library information system with LMS
- Establishment of digital scholarship center

Experiences

- Mobile apps since 2014
- Online submission of students' papers, theses, and dissertations
- Digitalization of rare collection
- Academic and research integrity (information literacy and antiplagiarism)

Innovations

- Book donation and information literacy program for students conducting community services in remote areas
- Integration of library information system with other systems within UGM to simplify business process and eliminate inefficiency

Opportunities and Challenges in delivering library programs & services

Challenges

- Increasing annual expenditure for online database subscription
- IT skills for library staff, esp for those of digital migrants category
- The need for more space as a co-learning and co-working space
- Silos among units within the campus that hinder integration and orchestration
- The need for well-formulated strategic planning on digital scholarship

Opportunities

- Optimum and appropriate utilization of technological advancement to support more effective and efficient business process in education, learning, research and community services
- Re-use of open educational resources for broader access and content enrichment
- Optimized use of big data and artificial intelligence



UNIVERSITAS
INDONESIA

Veritas, Probitas, Justitia

PERPUSTAKAAN



UNIVERSITAS INDONESIA

Learning and Teaching Methods

Offline



Lectures



Seminar



Lab Practices



Internships

Online



Online Course (SCELE)



Open Contents (OVIS)



Open Courseware (OCW)



Internet TV (MITV)

Library Roles in LMS Implementation to support learning & teaching process

Seminar,
Workshop



Information
Literacy
Program



Internships in
Library



Networking &
Collaboration



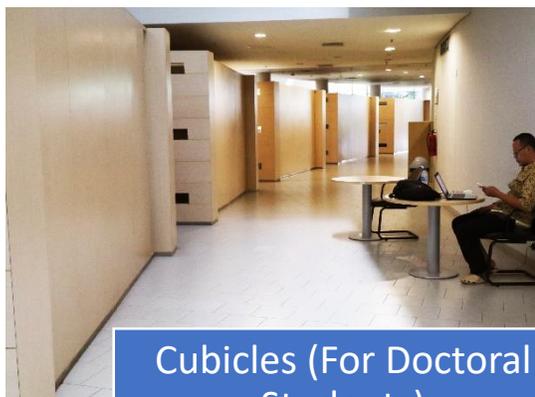
E-resources

- Online Database (e-books, e-journals)
- Remote Access (remote-lib.ui.ac.id)
- Digital Collections (lib.ui.ac.id)
- Knowledge ATM

E-Services

- Online reference services (by e-mail)
- E-resources Delivery Services (EDS)
- Plagiarism prevention services

Library facilities to support learning & teaching process



Cubicles (For Doctoral Students)



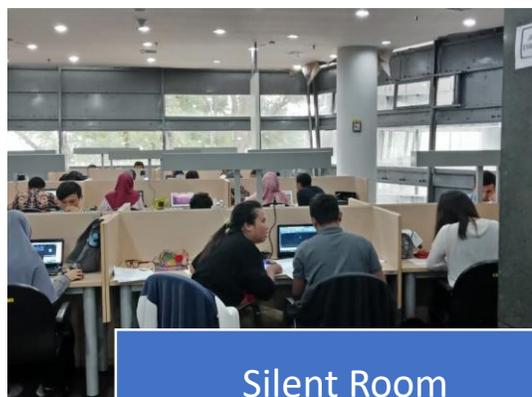
Discussion Room



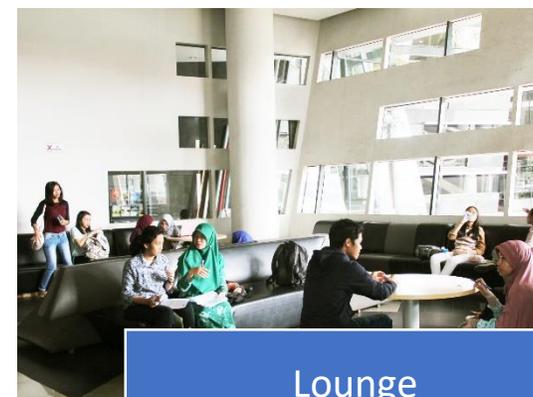
Private Discussion Room



Internet Room



Silent Room



Lounge

Library initiatives, plans, experiences, and innovations

Initiatives

Integration of Library IT System and other related systems in UI (academic, human resources, etc.)

Research library initiative to support research and academic activities at UI

Plans

- To map library business process related to other unit in UI
- To collaborate with university IT unit and Faculty of Computer Science

To implement research integrity services and develop research integrity programs

Experiences

- Final assignment submission system (*lib.ui.ac.id/unggah*)
- Membership data integration with academic system (SIAK)
- Upgrade of library automation system (LONTAR)

- Research Integrity Services
 - Plagiarism prevention services
- Offline & online reference services for professors

Innovations

Library integration system with Center of Computer Science, UI

Research Integrity Services

Other Innovations

Knowledge-Based Industry: Seminar, workshop, and exhibition about Indonesian knowledge



Strategic Alliances with International & National Institutions



Opportunities and Challenges in delivering the library programs & services for the millennial & post millennial generations

Challenges

Users are reluctant to come to the library because many information sources are available on the internet

Budget: E-resources subscription fee always increases every year

Resources: Need to improve IT skills of the librarians

Opportunities

The increasing of library virtual visits can be a momentum to develop digital services and collections

Rebranding of library as learning, discussion, and co-working spaces

