



Digital Scholarship in Academic Libraries

Challenges and Opportunities in Indonesian Higher Education Setting

*14th AUNILo Meeting
CAN THO UNIVERSITY, VIET NAM
2-4 JULY 2018*

Outline

- Introduction
- Programs supporting digital scholarship
- Units/individuals involved in digital scholarship
- National initiatives
- Challenges
- Opportunities
- Conclusion

Introduction: global issues

- The advancement of information and communication technologies that affects all aspects of life including scholarly environment
- The emergence of digital society, disruptive technology, and industrial revolution 4.0
- The individual scholars' as well as academics institutions' needs for wider collaboration, recognition and contribution to global solution and broader impacts for the betterment of the quality of life and the society
- Higher education performance and ranking

Introduction: national issues

- Targets of performance specified by the Ministry of Research, Technology, and Higher Education at early fiscal year that enforce higher education institutions to increase productivity through research, publishing, high TRL prototypes, patents, start-up business initiation, incubation and innovations, etc
- The development of tools/platform to monitor performance of higher education institutions
- Increased contribution, and hence, recognition of higher education institutions to the national development

Programs supporting digital scholarship and units involved

- Provision of digital resources and applications that support teaching, research and scholarly communication activities
- Institutional repository
- E-learning
- Digital authoring
- Digital publishing/knowledge production
- Digital curation
- Digital preservation

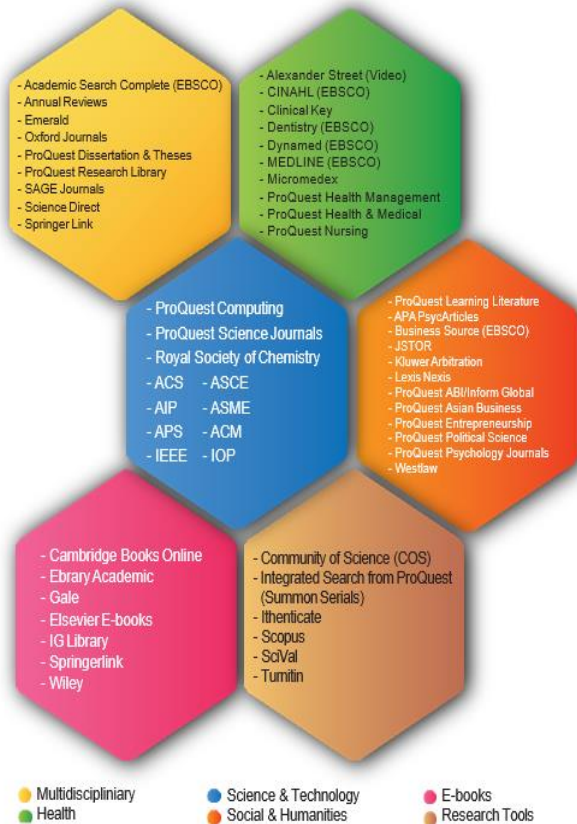
Programs supporting digital scholarship and units involved

Programs/activities	Units
Provision of online digital resources (e-books, e-journals, datasets/research data), citation database, and applications/tools (similarity check, 3D printer, reference management, etc) that support teaching, research and scholarly communication activities	Library; Unit of Publishing and Publications
Institutional repository	Library (theses, dissertations, back issue journals); Directorate of Research (academic staff's research papers); Office of University Records and Archives
E-learning/MOOCs	Center of Academic Innovation and Study; Directorate of Education and Learning
Digital authoring	Academic staff; researchers; students; staff/librarians (blogs)
Digital publishing/knowledge production	University Press; Unit of Publishing and Publications; Center of Academic Innovation and Study
Digital curation/Digital preservation	Library; Directorate of System and Information Resources; Office of University Records and Archives
Makerspace (Printer and Scanner 3-D; Maker Kit (3-D Doodler, Science Kits, Kano Kits, Arduino, Little Bits, etc.))	Library

Provision of access to online digital resources

E-resources

In 2016, Perpustakaan UI renews the highly demanded online databases, and subscribe new databases (SciVal, ProQuest Nursing, EBSCO Dentistry, EBSCO Business Complete, Oxford Journals, and Westlaw. The following is list of Online Databases subscribed by UI (2016)



E-Journals

www.lib.itb.ac.id/e-journal

E-JOURNALS : 11 DATABASE

E-Books

www.lib.itb.ac.id/e-book

E-BOOKS : 4 DATABASE

Access:

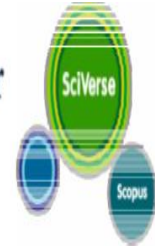
Inside Campus

via Internet ITB

- LAN
- WI - FI (Hot Spot ITB)

Outside Campus

- OpenVPN
- Remote Access ScienceDirect
- Username dan Password |
- ProQuest
- Ebsco
- Gale



Akses di dalam dan luar kampus

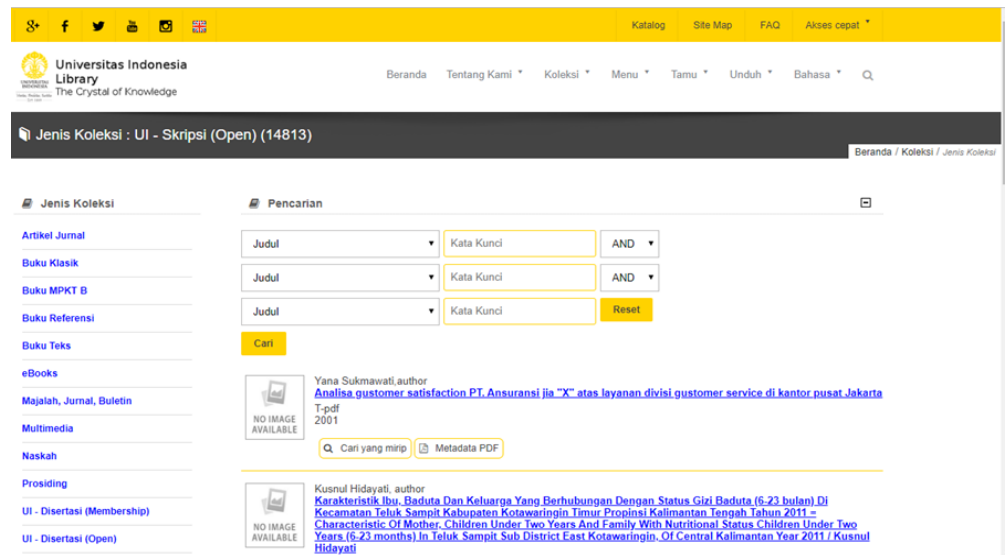
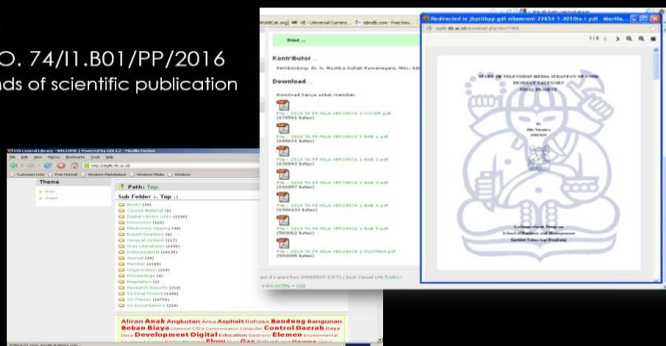
Akses OFF CAMPUS menggunakan Single Sign On (ezproxy.ugm.ac.id).

Akses ON CAMPUS menggunakan Jaringan Internet UGM

Institutional Repository

LOCAL CONTENT REPOSITORY

- Ganesha Digital Library
- Link <http://digilib.itb.ac.id>
- DECREE OF ITB RECTOR NO. 74/11.B01/PP/2016
 - Mandatory to submit all kinds of scientific publication
 - Access
 - Fulltext/Open access
 - Partial/Restricted



Universitas Indonesia Library
The Crystal of Knowledge

Jenis Koleksi : UI - Skripsi (Open) (14813)

Jenis Koleksi

- Artikel Jurnal
- Buku Klasik
- Buku MPKT B
- Buku Referensi
- Buku Teks
- eBooks
- Majalah, Jurnal, Buletin
- Multimedia
- Naskah
- Prosiding
- UI - Disertasi (Membership)
- UI - Disertasi (Open)

Pencarian

Judul Kata Kunci AND

Judul Kata Kunci AND

Judul Kata Kunci Reset

Cari

Yana Sukmawati, author
Analisa customer satisfaction PT. Asuransi jia "X" atas layanan divisi customer service di kantor pusat Jakarta
T-pdf
2001

Kusnul Hidayati, author
Karakteristik Ibu, Baduta Dan Keluarga Yang Berhubungan Dengan Status Gizi Baduta (6-23 bulan) Di Kecamatan Teluk Sampit Kabupaten Kotawaringin Timur Propinsi Kalimantan Tengah Tahun 2011 =
Characteristic Of Mother, Children Under Two Years And Family With Nutritional Status Children Under Two
Years (6-23 months) In Teluk Sampit Sub District East Kotawaringin Of Central Kalimantan Year 2011 / Kusnul
Hidayati

Electronic Theses & Dissertations (ETD) | Gadjah Mada University

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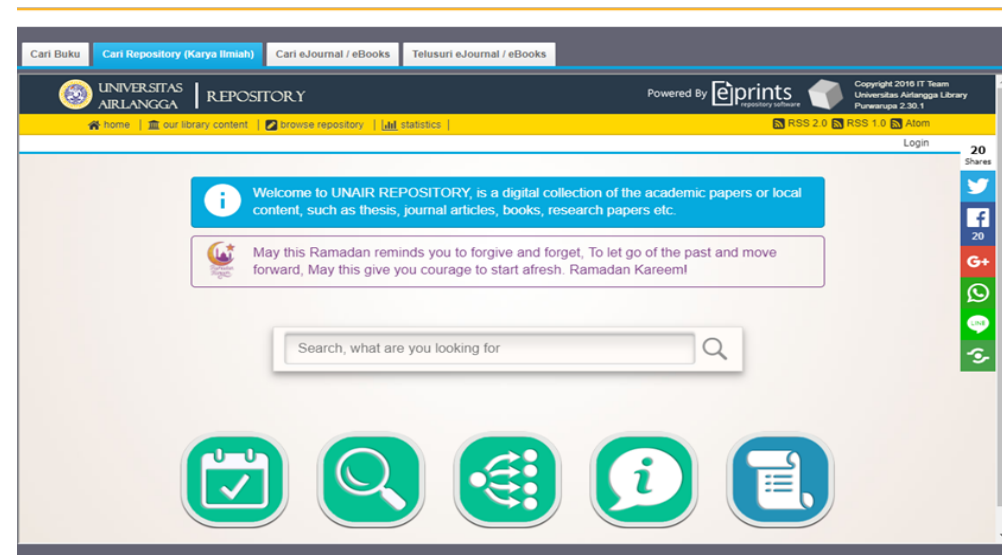
online public access catalog

Search



NEW Penelitian Terbaru

- [Eksposesi Mma Notch-1 Pada Karsinoma Ovarium Tipe Musinosum Dan Serosum High-grade Serta Hubungannya Dengan Usia Dan Ukuran Tumor](#)
MURWESTRI H dr. Didik Setyo Heriyanto, Sp.PA, Ph.D ; Dr. dr. Irianiwati, Sp.PA(K)
- [Household \(ecostrophe\)s Economic Loss And Damage, Household\(ecostrophe\)s Responses And Their Relationship In 2014 Extreme Flood Case In Pati Regency, Indonesia](#)
ALIM ISMANTORO Prof. Dr. Rijanta, M.Sc
- [Analisis Ict Readiness Desa Wisata Dalam Penerapan Smart Tourism Di Kabupaten Sleman](#)
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e-learning
7 MAR, 2018
Tahun 2018 UPT e-Learning ITB gelar pelatihan sac...
Bandung, 07 Maret 2018 Seiring berkembangnya tekno...

Kuliah ITB
24 FEB, 2018
Kuliah ITB Tool Guide For Teacher
Sumber: http://itb.ly/3kgPvic

PROFIL UPT E-LEARNING

Layanan UPT e-Learning I
KULIAH ONLINE ITB
http://kuliah.itb.ac.id

BERITA / SLIDER
Pengumuman Hibah SPADA Indonesia 2018
22 MAR, 2018

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Home Faculty Homepage KSDP eLearning Pendidikan Jarak Jauh Manual SCoLE

23:19:56 Server Time

Calendar
June 2018

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Show/Hide courses

News Forum
Pengumuman MPKT B 2017/2018 GENAP
by Jati Nantissa Ahmad - Monday, 5 February 2018, 8:19 AM

Register Course
Registration COURSE

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Borang Umpan Balik SCoLE 2
Forum Lowongan
Evaluasi Pembelajaran Menggunakan SCoLE oleh dosen
Kuesioner Pembelajaran

eLOK
e-Learning: Open for Knowledge Sharing

BERANDA MATA KULIAH TENTANG KAMI FAQ ENGLISH (EN)

Search courses

Selamat datang di eLOK
eLOK adalah sebuah sistem e-Learning yang digunakan untuk implementasi MOOC (Massive Open Online Course) di Universitas Gadjah Mada

Indonesian (id) Username Password Log In

Selamat Datang di AULA
Airlangga University e-Learning Application
Website e-Learning Universitas Airlangga | aula.unair.ac.id

Pengumuman Pemeliharaan (Maintenance) Server AULA, Tanggal 18 Mei 2018 Pukul 16:00 - 19:00 WIB

Selamat Datang di AULA
Airlangga University e-Learning Application
Website e-Learning Universitas Airlangga | aula.unair.ac.id

Selamat Datang di AULA
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Website e-Learning Universitas Airlangga | aula.unair.ac.id

Digital authoring/blogs

		<p>Jasa, 29 Mei 2018 - Departemen Teknik Sipil dan Lingkungan, Fakultas</p> <p>Peta Situs Jam & Sifat Kebumihan Penurunan Cara Aka Disclaimer FAQ </p>	
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<p>oleh Ir. Djoko Luknanto, M.Sc., Ph.D.</p> <p>(Djoko Luknanto, Jack la Montta, Luke Skywalker)</p> <p>(Alamat situs ini: http://luk.staff.ugm.ac.id/, http://luk.tasipil.ugm.ac.id/)</p>			
<p>Peneliti Sumbidaya Air di Laboratorium Hidraulika Departemen Teknik Sipil dan Lingkungan, Fakultas Teknik Universitas Gadjah Mada</p>			
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 ☒ Direktori Blog Aktif
 ☒ Grafik Pertumbuhan Artikel

Pengumuman

1. [Konsentrasi umum > rektorat](#)

Rekap Jumlah Web Aktif Per Fakultas

No.	Fakultas	Nama	Alamat Blog
1	Ilmu Sosial dan Politik	I Gusti Agung Ketut Satrya Wibawa, S.Sos, MCA	igaksatrya-fsfp.web.unair.ac.id
2	Ilmu Sosial dan Politik	Ucu Martanto, S.IP., MA.	ucumartanto-fsfp.web.unair.ac.id
3	Ilmu Sosial dan Politik	Karnaji, S.Sos.MSi.	fsfpwebunairacid-fsfp.web.unair.ac.id
4	Ilmu Sosial dan Politik	HARI FITRIANTO	harift-fsfp.web.unair.ac.id
5	Ilmu Sosial dan Politik	Ali Sahab, S.IP., M.Si.	alisahab09-fsfp.web.unair.ac.id

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Password

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Praktek kuliah lapangan Program studi sastra Indonesia

By admin | 25 May, 2018 | Comments Off on Praktek kuliah lapangan Program studi sastra Indonesia

Pada tanggal 22 Mei 2018, Pusat Penerbitan dan Percetakan Universitas Airlangga (P3UA) menerima kunjungan Mahasiswa Fakultas Ilmu Budaya Unair Program studi sastra Indonesia. Acara dibuka dengan sambutan dari ketua P3UA.

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Pengantar Kimia Polimer

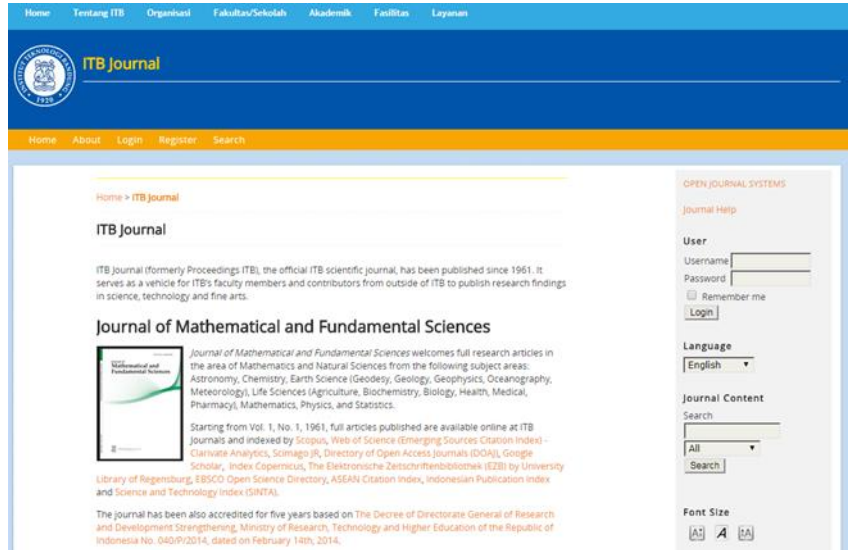
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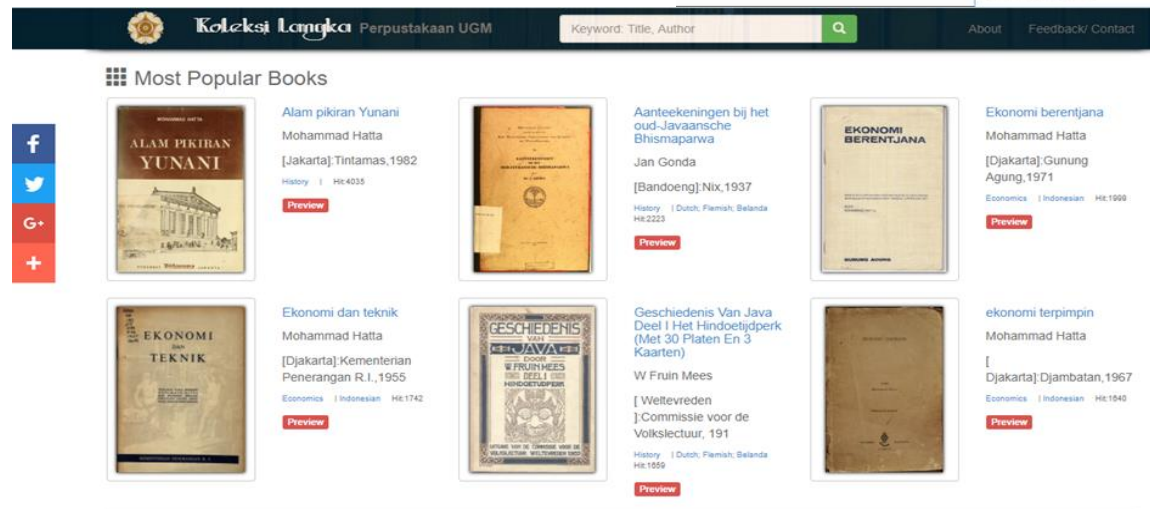
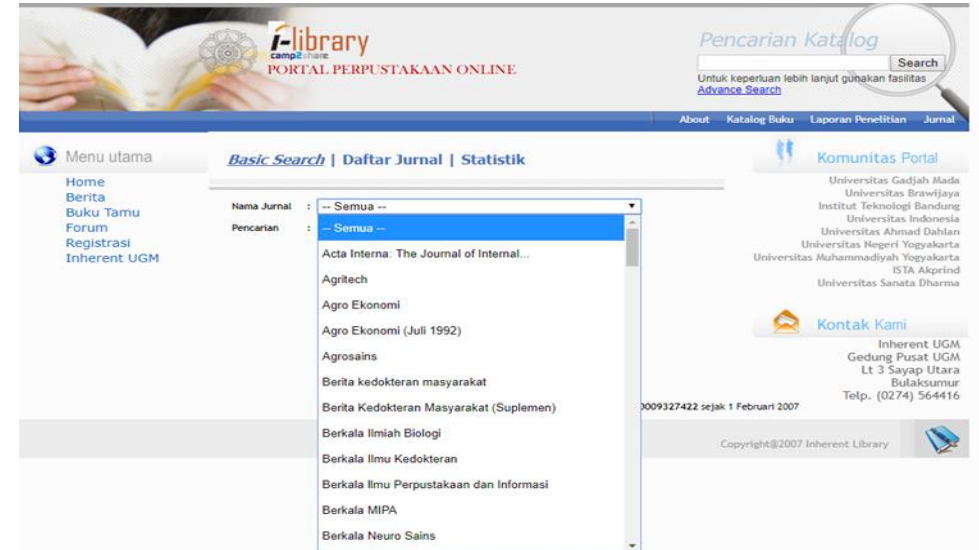
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- eBookstore (4)
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- Know How (10)
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- Desain (4)
- Editing (3)
- Review Buku (2)

Digital publishing/knowledge production (OJS)



Digital curation/Digital preservation



National initiatives

- The initiation of a portal called *Indonesia One Search* (<http://www.onesearch.id/>) developed by the National Library of Indonesia that harvests metadata of records and content/fulltext (whenever available) of libraries in Indonesia
- Science and Citation Index (SINTA) (<http://sinta2.ristekdikti.go.id/>) initiated in 2016 by the Ministry of Research & Technology and Higher Education of the Republic of Indonesia is developed to be a reference for research performance in Indonesia.
- Indonesia's Research Repository (<https://www.neliti.com/>) developed by the National Library of Indonesia in cooperation with Indonesian Institute of Sciences and the Conversation

Indonesia OneSearch

- [Tentang OneSearch](#)
- [Tentang NoPlagiarism](#)
- [Roadmap](#)
- [Arsitektur sistem](#)
- [Presentasi](#)
- [Berita](#)
- [Kontak kami](#)

Bergabung

- [Syarat bergabung](#)
- [Daftarkan repositori anda](#)
- [Daftar anggota saat ini](#)

Interoperabilitas

- [Protokol OAI-PMH](#)
- [Contoh source code OAI-PMH \(PHP\)](#)
- [OAI-PMH untuk INLIS Lite](#)
- [OAI-PMH untuk SLIMs](#)
- [OAI-PMH untuk GDL 4](#)
- [OAI-PMH Open Journal System](#)
- [OAI-PMH Eprints](#)
- [OAI-PMH Omeka](#)

Files

- [Logo OneSearch \(Adobe\)](#)
- [Manual Penggunaan IOS](#)



Indonesia OneSearch

🌐 [Indonesia OneSearch](#) adalah sebuah program yang sepenuhnya didukung oleh Perpustakaan Nasional RI.

Indonesia OneSearch merupakan sebuah portal koleksi bibliografi yang datanya dikumpulkan melalui metode harvesting dari repositori online milik anggota. Portal ini bisa disebut juga sebagai "Summon" untuk seluruh koleksi elektronik perpustakaan di

Akses ke seluruh repositori pengetahuan di Indonesia melalui satu pintu



start





Satu pintu pencarian untuk semua koleksi publik dari perpustakaan, museum, arsip, dan sumber elektronik di Indonesia

Cari buku dan e-resources

Semua Kolom ▼

 Cari

 Lanjutan

Koleksi

Saat ini terdapat [5,873,430](#) entri di dalam Indonesia OneSearch. Koleksi ini dikumpulkan dengan metode harvesting otomatis dari repositori milik [organisasi mitra](#), yang berasal dari berbagai sektor.

Melalui IOS, anda juga bisa mengakses [e-resource internasional](#) yang kami langgan. Jika anda belum memiliki akun e-resources, silahkan mendaftar secara gratis [di sini](#).

Mitra



Institusi (872)



Perpustakaan (1045)



Repositori (4708)

Sektor

- ▶ [Library \(5,162,224\)](#)
 - [University \(3,464,474\)](#)
 - [National \(691,957\)](#)
 - [Public \(668,908\)](#)
 - [Special \(277,048\)](#)
 - [School \(59,837\)](#)
- ▶ [Archive \(486\)](#)
 - [Archive \(486\)](#)

Format

- ▶ [Book \(3,547,148\)](#)
- ▶ [Other \(1,392,267\)](#)



50,593

Journal Articles

3,613

Book Chapters

24,882

Conference Papers

1,121,715

Documents

108,526

Authors

9,455

Books

1,872

Journals

Scopus'

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Sinta

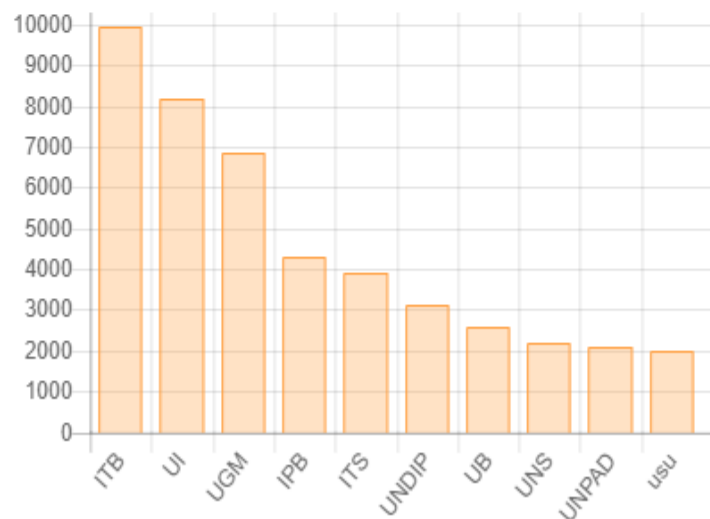
Sinta

Science and Technology Index is the citations and expertise center in Indonesia, a web-based research information systems which offers a quick, comprehensive and easy access to journals published by Indonesian higher educational and research institutions and citations of journal articles to measure the performance of researchers, institutions and journals in Indonesia. Sinta provides information on benchmarks of institutions, collaboration, trend analysis of research, and Indonesian expert directories.

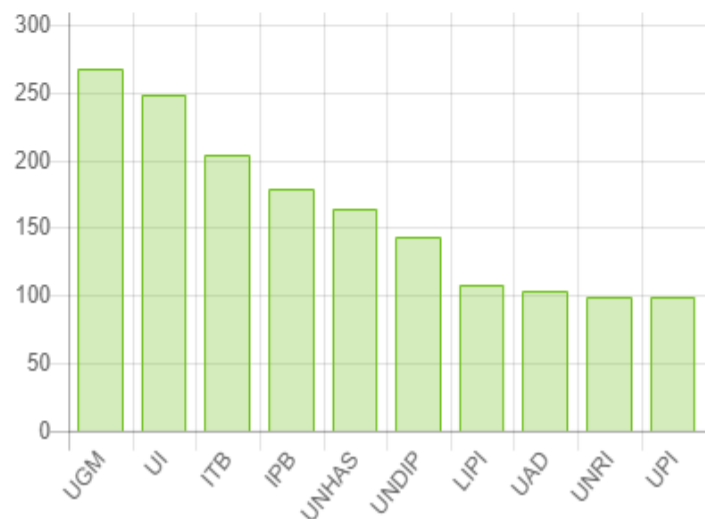
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AuthorsTop 200
Affiliations

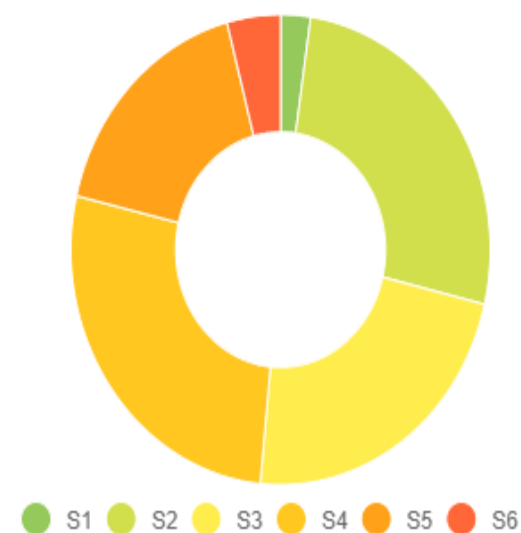
Documents in Scopus'



Top 10 Citations by Google



Number of Journal by Sinta Score





Indonesia's Research Repository

Enter keywords, author, institution, journal or conference



Explore 586 libraries

- Statistics Indonesia
- University of Indonesia
- Indonesian Ministry of Health
- 583 more...



Browse 1373 journals

- Humaniora
- Indonesian Journal of International Law
- Buletin Penelitian Sistem Kesehatan
- 1370 more...

Challenges

- Coordination and integration among units involved
- Priority and selectivity
- Quality of contents (credibility and authenticity)
- Scholar's process of research and data sharing
- Concern on intellectual property rights
- Standard metadata
- Data maintenance and security
- Compatibility with future technologies
- Human resource (technical expertise and digital literacy)
- Budget availability and continuity

Opportunities

- Broader access to scholarly information
- Building worldwide connection/networking and collaboration with colleagues of similar interest/expertise
- Institutional content enrichment that support improved performance, productivity and more achievement
- Digital scholarship not only serves as institutional asset but national asset as well
- Integration of digital scholarship with teaching

Conclusion

- The availability of digital scholarship is mandatory in higher education institutions
- Within each institution there should be good coordination across units involved to avoid either redundancy of efforts or neglected works
- The need for government's commitment in budget provision and supervision for national initiatives to ensure availability, ease of access/sharing, and sustainability