

Pemanfaatan Scopus with AI untuk Akserelasi Alur Kerja Penelitian Ilmiah

Akmal Faradise

Disampaikan pada Kelas Literasi #6
Direktorat Perpustakaan
Universitas Islam Indonesia

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Akmal Faradise, S.IP., M.A.

Divisi Layanan Teknis, Direktorat Perpustakaan UII

Kontak:

akmal.faradise@uii.ac.id

085156076364

**Baru mulai,
sudah disclaimer**

- **Kenapa judul kegiatan dan PPT sedikit berbeda?**
- **Posisi: pustakawan, yang mengenalkan layanan. Masih belajar meneliti.**
- **Skenario penggunaan.**

The background features a large orange circle on the left side. The entire background is covered with a pattern of faint, light-orange line drawings of various school-related items, including books, a calculator, a globe, a compass, a pencil, a ruler, and a lightbulb.

Hari ini, kita diskusi ...

1. Aktivitas “**mencari**” dalam penelitian ilmiah
2. Metadata, Indeksasi dan **Catatan Penting** Lainnya
3. Scopus ‘**with**’ AI
4. ***Sedang mengetik*** “Scopus AI, adakah korelasi yang signifikan antara ...”

Information Literacy



People who are **information literate** are those who have **learned how to learn**. They **know how to learn** because they **know how knowledge is organized, how to find information and how to use information** in various ways, so that others can learn from them. They are people who are **ready for lifelong learning**, because they can always **find the information they need** for any given task or decision.

Belajar cara belajar; Mengetahui cara belajar; Mengetahui bagaimana pengetahuan diorganisasikan; Bagaimana mencari informasi dan bagaimana menggunakan informasi; Siap untuk belajar sepanjang hayat; Menemukan informasi yang diperlukan



Information literacy is an **understanding** and set of **abilities enabling individuals to recognise when information is needed and have the capacity to locate, evaluate, and use effectively the needed information**.

Pemahaman; serangkaian kemampuan individu mengenali kapan informasi dibutuhkan; menemukan; evaluasi

Are you literate enough?

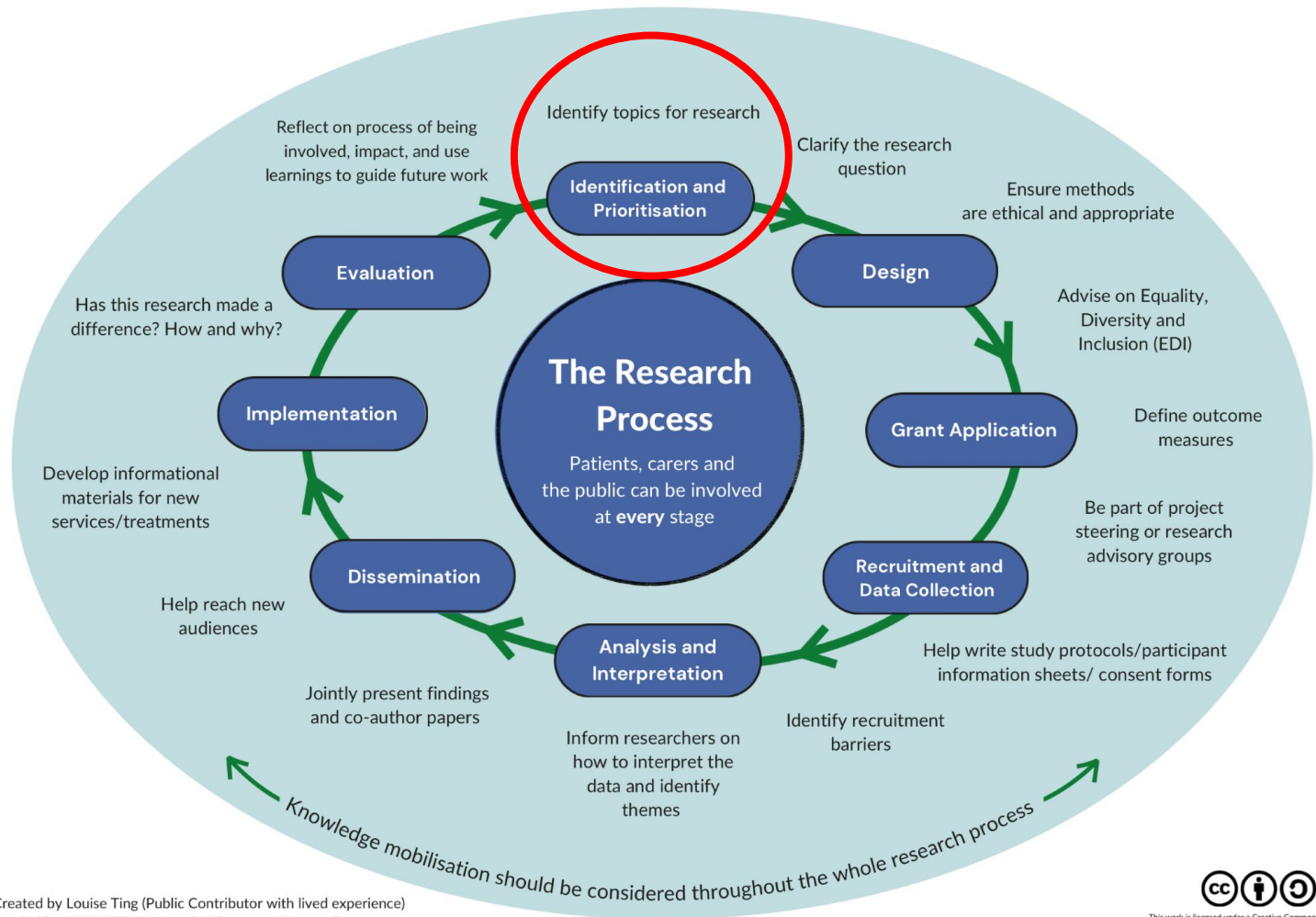
An information literate, individual **is able to**:

- determine the extent of information needed;
- access the needed information effectively and efficiently;
- evaluate information and its sources critically;
- incorporate selected information into one's knowledge base;
- use information effectively to accomplish a specific purpose; and • understand the economic, legal, and social issues surrounding the use of information, and access and use information ethically and legally.

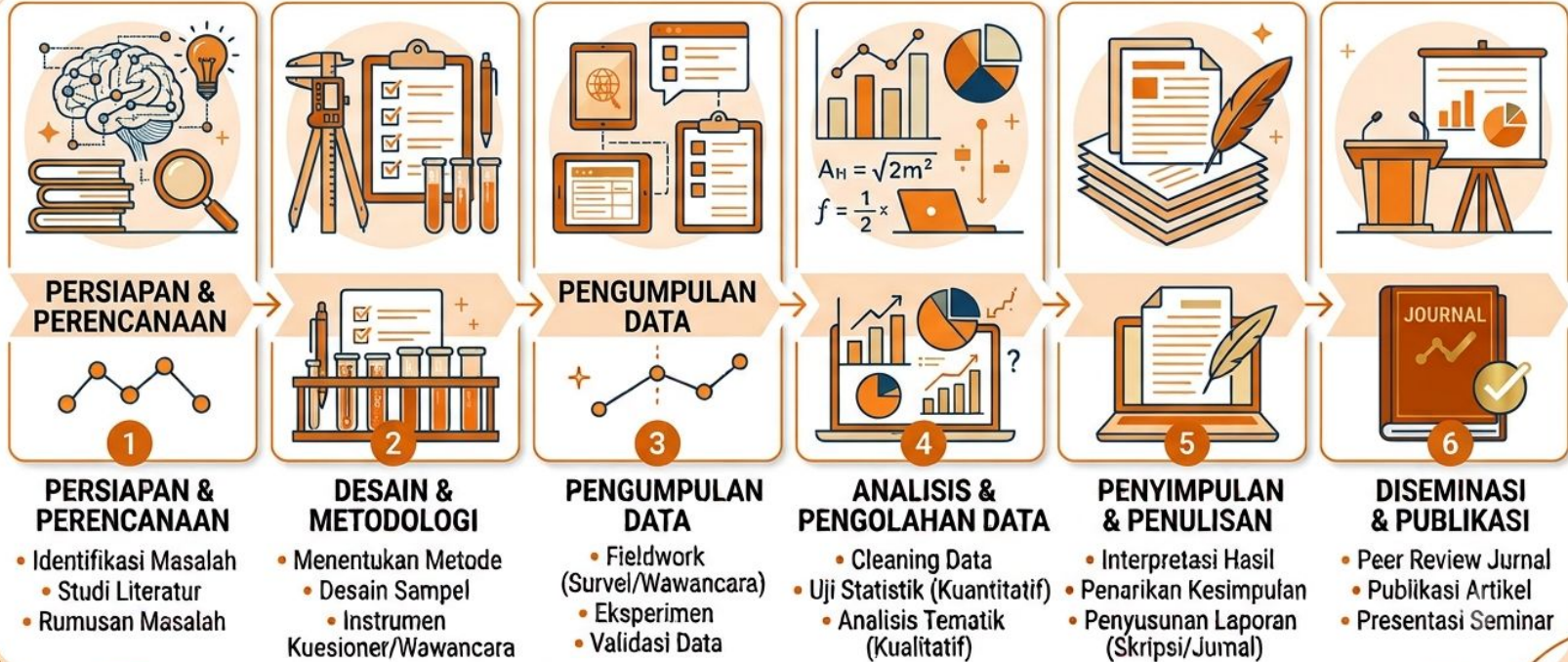
Association of College & Research Libraries

ACRL STANDARDS: Information Literacy Competency Standards for Higher Education

<https://crln.acrl.org/index.php/crlnews/article/view/19242/22395/1000>

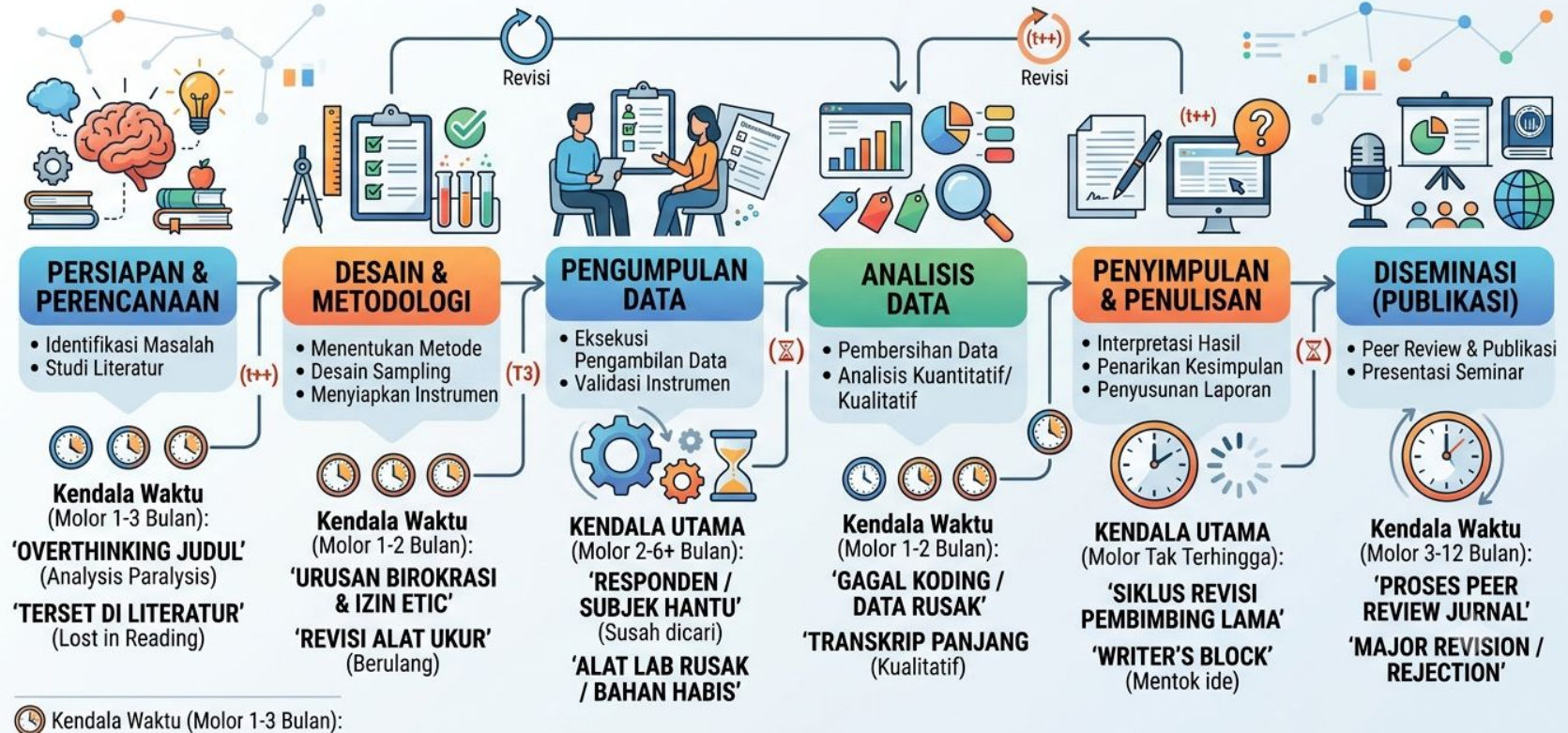


WORKFLOW PENELITIAN ILMIAH: 6 TAHAPAN UTAMA



* Alur kerja terstruktur

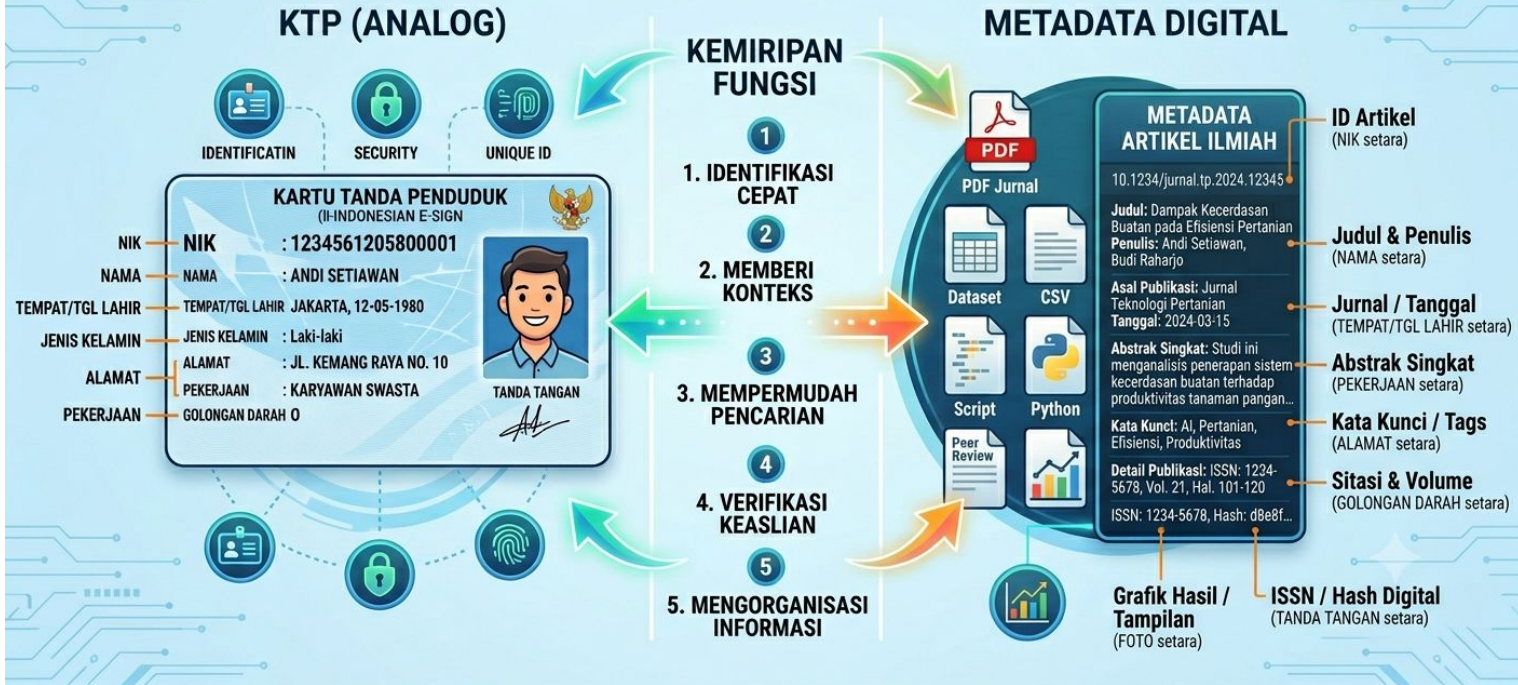
ALUR KERJA PENELITIAN ILMIAH DAN KENDALA WAKTU



Catatan dan catatan lainnya

- Scopus itu **metadata**, bukan database.
- Scopus Indeks masih bisa diakses terbatas tanpa langganan dan tidak termasuk Scopus AI. **Elsevier be like:** ScienceDirect - Scopus - Scopus AI
- Punya **akun Elsevier**, *much better*

METADATA ADALAH SEPERTI KTP: ANALOGI MUDAH



Sc: Bachtiar, A.C. dalam ppt “Reference Manager Software”. 2026.

Catatan, Lagi

Which Scopus content does Scopus with AI draw on? ^

To generate your response, Scopus with AI draws exclusively on the metadata, abstracts and author profiles in Scopus. For the summaries, it uses the following content types:

- Articles
- Books
- Book chapters
- Conference papers
- Reports
- Reviews
- Short surveys
- Data papers

How it works x

Scopus AI is an AI-driven tool designed to navigate the rich academic landscape within the Scopus platform.

Rooted in trusted Scopus data, Scopus AI is designed to help you explore and understand new topics more efficiently and offer succinct academic overviews and insights. To further enhance this capability, Scopus AI now integrates Copilot, an intelligent query layer that interprets and optimizes your queries. Copilot combines semantic and keyword-matching searches, ensuring high-quality results without sacrificing specificity. It helps handle different languages, correct spelling errors, and break down complex queries.

Please note

While Scopus AI leverages trusted Scopus content, it is possible to produce misleading or inaccurate results. We recommend exercising your expertise and discretion before incorporating its outputs into official documents like dissertations or manuscripts. It is essential to understand that Scopus AI is not designed to offer legal, financial, or medical advice. Additionally, be aware that the tool could sometimes produce content perceived as biased or offensive. To ensure the integrity and safety of your research, avoid entering personal, confidential, or sensitive information.

Scopus AI is a search tool that utilizes generative AI (GenAI) technology to assist users in retrieving and summarizing information

What technologies does Scopus AI use? —

Scopus AI is built using a combination of technologies from Elsevier and third-party providers. We use our own LLM technologies along with other LLMs, including the GPT developed by OpenAI for its ChatGPT tool. Our use of OpenAI GPT is private, so there is no data exchange or use of our data to train ChatGPT.

Scopus AI uses a vector search engine. It is powered by fine-tuned mini-language models that look at the words and sentences in a query and assign them a numerical value based on a language vector space. These vectors are compared to the abstracts of Scopus documents (published since 2003).

Scopus AI is hosted on Microsoft Azure. The frontend of the tool is built with a mix of JavaScript and CSS, while Python, Java, Elasticsearch and Langchain are used in the backend. To generate the list of Foundational papers, we use knowledge graph technology.

RAG Fusion leverages the intelligence of LLMs to expand upon an original query to explore new perspectives.

Kata AI tentang AI

Apa bedanya dengan ChatGPT?

Perbedaan utamanya adalah sumber data dan tujuan.

Scopus AI

Berdasarkan artikel yang terindeks di Scopus

Fokus pada penelusuran literatur ilmiah

Selalu menghubungkan ke referensi ilmiah

Cocok untuk literature review

ChatGPT



Berdasarkan pengetahuan model dan, bila diperlukan, pencarian web

Lebih umum: menjelaskan konsep, menulis, coding, brainstorming, dll.

Tidak selalu memiliki referensi kecuali diminta atau menggunakan pencarian

Cocok untuk memahami konsep dan membantu penulisan

Kata AI tentang AI

Kapan sebaiknya pakai Scopus AI?

Scopus AI sangat berguna jika kamu ingin:

- menyusun **literature review**,
- mencari **research gap**,
- menemukan paper paling relevan,
- melihat perkembangan suatu topik penelitian,
- atau mencari referensi untuk proposal, tesis, maupun artikel jurnal.

Sedangkan ChatGPT lebih cocok untuk:

- menjelaskan isi paper dengan bahasa yang lebih mudah dipahami,
- membantu menyusun kerangka penelitian,
- memperbaiki tulisan akademik,
- membuat query pencarian Scopus,
- atau membantu menganalisis hasil yang kamu temukan di Scopus AI.

ALUR KERJA PENELITIAN: KENDALANYA WAKTU

Banyak waktu terbuang di tahap eksplorasi literatur sebelum penelitian benar-benar dimulai.



SCOPUS AI: MEMPERCEPAT SETIAP TAHAP EKSPLORASI LITERATUR

Semua insight penting dikemas ringkas, terstruktur, dan berbasis referensi terpercaya.



AI generated content



**HEMAT WAKTU
HINGGA 70-80%**



**LEBIH CEPAT DARI EKSPLORASI
MENUJU PENEMUAN**

Fitur Scopus AI

What is included in a Scopus AI response?

What is included in Scopus AI response?



Summary

A high-level, fully referenced Summary that includes guidance on the tool's confidence in the response



Expanded summary

An extended summary that uses RAG Fusion to explore queries from multiple perspectives



Go deeper questions

A series of prompts designed to help you continue exploring and learning



Concept map

A clickable visual that uses keywords to provide a bird's-eye view of the topic space



Foundational documents

A list of influential articles that inspired the articles cited in the summaries



Topic experts

The top researchers in your chosen field (based on their volume of related publications)



Emerging themes

A topic overview that helps you identify the research themes in your field of interest - including potential areas of opportunity



Conversational Follow-Up

A free text field that enables you to enter follow-up questions and keep digging deeper



Conversational history

An automated list of all your previous queries so you can resume an existing search at any time



Start exploring

Documents

Authors

Researcher Discovery

Organizations

Scopus AI

Temporary conversation ☐

Explore topics and discover relevant references

What would you like to learn more about?

☐ Deep research



[Show conversation history](#)

Conversation examples

- ↳ What impact do microplastic pollutants have on marine biodiversity in coastal regions?
- ↳ How can international cooperation be improved to effectively address global climate change?
- ↳ How does chronic sleep deprivation affect cognitive decline in aging populations?

Ask research questions to generate a detailed report, try being very specific.

☒ Deep research



[Show conversation history](#)

Deep research examples

- ↳ How can multi-agent systems be optimized to reduce latency and improve reliability in large-scale real-time collaborative platforms?
- ↳ What are the long-term cognitive and behavioral effects of AI-generated educational feedback on middle-school students' learning outcomes?
- ↳ To what extent can voice-based emotion recognition systems improve patient trust and diagnostic accuracy in remote mental health care?

Tips.

Bisa menggunakan *natural language*.
So, instead of “prompt engineering”,
better use **research questions**



uiiyogyakarta and 2 others
Original audio



uiiyogyakarta Uii hadir kembali dengan gebrakan baru "Uii Light Show" 🎉

Penasaran kira-kira gimana sih, keseruannya?
Yuk, simak di unggahan berikut!

Kesempatan terakhir menonton Uii Light Show malam ini!

📅 Minggu, 12 Juli 2026

🕒 19.00-22.00 WIB

📍 Pintu Timur Stasiun Tugu Yogyakarta!

Jangan sampai lewatkan kesempatan ini ya sob!

#ImUii

#KampusUii

#UiiYogyakarta

#UniversitasIslamIndonesia

2w

**Mari kita coba
mencari-cari
masalah. Masalah
penelitian tentunya.**



DIREKTORAT
PERPUSTAKAAN

Thank You!

Contact Us



WhatsApp Admin

0822 6502 9700



Mail

perpustakaan@uii.ac.id



Website

library.uui.ac.id



Address

Gedung Mohammad Hatta

Kampus Pusat UII

Jalan Kaliurang KM 14, 5 Sleman, DIY

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