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Pimasthika

CREATIVESTIVAL

**MENGAJAR KREATIF DI ERA AI:
KOLABORASI ATAU KOMPETISI DENGAN MESIN?**

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GENERATIVE AI BUKAN SCIENCE-FICTION,
TAPI SUDAH JADI **REALITA HARI INI.**

Google Cloud & Komdigi hadirkan Google for Startups Accelerator: Indonesia, AI-Focused

22 Mei 2025

Waktu baca: 2 mnt

Program ini dirancang untuk memperkuat ekosistem startup Indonesia dengan mendukung 100 inovator AI selama lima tahun ke depan



Google Cloud Indonesia

Bagikan



Dengarkan artikel 4 menit



Di acara Google Cloud Summit Jakarta '25, [Google Cloud](#) dan [Komdigi](#) meluncurkan "Google for Startups Accelerator Southeast Asia: Indonesia, AI-Focused" untuk mendukung startup berkantor pusat di Indonesia yang membangun produk baru dengan [AI generatif](#) (gen AI) atau [AI agentic](#).



PERLU MUX ?

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Teleperformance (TP) meluncurkan kantor baru di Jakarta dan Customer Experience (CX) Lab Indonesia.

Tumbuh Pesat, Pasar AI Indonesia Jadi Sorotan

Fauzan Hilal • 22 May 2025 20:49

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GENERATIVE AI TELAH MENJADI BAGIAN INTEGRAL DARI BERBAGAI BIDANG, TERMASUK PENDIDIKAN. DI INDONESIA, **92% KNOWLEDGE WORKER SUDAH MENGGUNAKAN AI GENERATIF DALAM PEKERJAAN MEREKA, MELAMPAUI RATA-RATA GLOBAL 75% DAN ASIA PASIFIK 83%.**

Are we ready for this transformation? Indonesia says yes – 92% of knowledge workers in Indonesia already use generative AI at work, surpassing global (75%) and Asia Pacific (83%) averages, according to the [Microsoft and LinkedIn Work Trend Index 2024](#) that we launched mid- year. This readiness is deeply rooted in Indonesia's spirit of curiosity and experimenting new things, shaped by its youthful and diverse population. With 70% of Indonesians in the working-age group, creativity and collaboration thrive. This is exemplified by [over 3.1 million developers on GitHub](#), the third-largest developer community in Asia-Pacific, whose contributions in the number of public generative AI projects on the platform grew by 213% in 2023 alone. Such ingenuity highlights the *gotong royong* spirit, where collective efforts turn challenges into opportunities.

Sumber: Microsoft and LinkedIn Work Trend Index, 2024

TANTANGAN:

“AI SAAT INI MEMILIKI KEMAMPUAN
SETARA DENGAN LULUSAN BARU
DALAM BEBERAPA BIDANG”

- JEFF DEAN, CHIEF SCIENTIST
GOOGLE

BUSINESS INSIDER

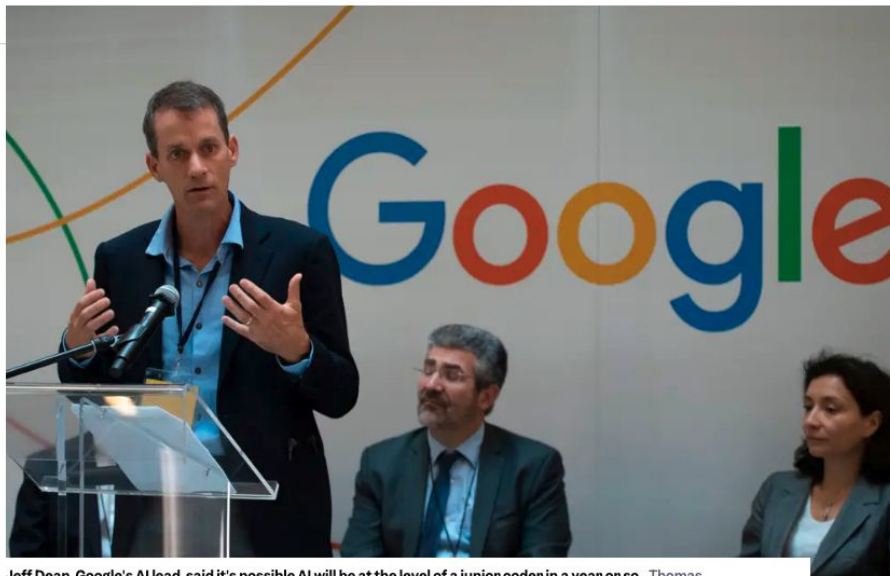
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AI

Google chief scientist predicts AI could perform at the level of a junior coder in a year

By [Sarah Perkel](#)



Jeff Dean, Google's AI lead, said it's possible AI will be at the level of a junior coder in a year or so. Thomas Samson/Getty Images

May 19, 2025, 3:47 PM GMT+7

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IMPLIKASI:

MENURUT SURVEI, **78% MANAJER PEREKRUTAN** MENGATAKAN BAHWA PENGGUNAAN AI AKAN MENYEBABKAN PENGURANGAN PELUANG KERJA BAGI LULUSAN BARU DI ORGANISASI MEREKA.



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Report: AI Could Replace Some Interns, New Grads

But students can improve their hiring potential by learning new skills

May 2, 2024

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Artificial Intelligence in the Workplace

An organization run by AI is not a futuristic concept. Such technology is already a part of many workplaces and will continue to shape the labor market and HR. Here's how employers and employees can successfully manage generative AI and other AI-powered systems.

MENURUT *FUTURE OF JOBS REPORT 2025* OLEH WORLD ECONOMIC FORUM:

AI DAN TEKNOLOGI TERKAIT AKAN **MENGHILANGKAN 92 JUTA PEKERJAAN,**

NAMUN TEKNOLOGI BARU INI AKAN **MENCIPTAKAN 170 JUTA PEKERJAAN BARU** SECARA GLOBAL PADA DEKADE INI.

PREDIKSI PERTUMBUHAN BERSIH SEBESAR 78 JUTA PEKERJAAN BARU.

MASA DEPAN PEKERJAAN:

**INSTITUTE FOR THE FUTURE MEMPREDIKSI
BAHWA 85% PEKERJAAN YANG AKAN
DILAKUKAN OLEH MAHASISWA NANTI DI
TAHUN 2030 BELUM ADA SAAT INI.**

How colleges are preparing students for jobs that don't exist yet

[Making Sen\\$e](#) Dec 6, 2018 3:58 PM EDT

Eighty-five percent of the jobs that today's students will do in 2030 don't exist yet, [the Institute for the Future](#) has predicted.

That might seem like a high number to reach in only 12 years. But think about the now-mainstream careers that [did not exist](#) just a handful of years ago: drone operator, social media manager, app developer and cloud computing engineer, among others.

Even if that 85 percent is ultimately smaller, the number begs an important question about how the workforce is preparing for the future, starting in the classroom. What role should colleges and universities play in preparing students for a workplace that is constantly changing?

**KETERAMPILAN ADAPTASI: BERPIKIR
KRITIS, KREATIF, DAN LITERASI
DIGITAL ADALAH FOKUS UTAMA.**

MENTALITAS "PLAYER-COACH"

PERLU ADA **TRANSFORMASI** DARI PARADIGMA YANG **MEMISAHKAN** ANTARA "**PEMIKIR**" (SARJANA) DAN "**PELAKU**" (VOKASI) MENJADI PENGEMBANGAN INDIVIDU YANG BISA **BERPIKIR KRITIS** DAN JUGA BISA **BERTINDAK SECARA KREATIF**.

INTEGRASI AI DALAM PENGAJARAN DAPAT MEMBANTU MAHASISWA MENGEMBANGKAN **KETERAMPILAN PRAKTIS** DAN **BERPIKIR KRITIS** SECARA BERSAMAAN.

MENTALITAS "PLAYER-COACH"

PEMBELAJAR MANDIRI YANG ADAPTIF, MIRIP DENGAN MENTALITAS "PLAYER-COACH".

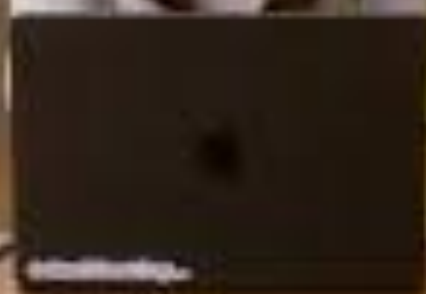
PLAY - BATASAN MU + COACH - AI MU.

PROSES BELAJAR AKTIF MENGGUNAKAN GEN. AI SEBAGAI ALAT BANTU:

1. EKSPLORASI,
2. VALIDASI,
3. MANIFESTASI, DAN
4. INOVASI.



A day with Claude



Introducing Image Generation



30 THINGS YOU CAN BUILD WITH GEMINI

TOOLS AI YANG POPULER DI INDONESIA:

1. CHATGPT / GEMINI / CLAUDE

→ **IDE**, PENULISAN, DISKUSI

2. DALL-E / MIDJOURNEY / ADOBE FIREFLY

→ VISUAL **KREATIF & DESAIN**

3. QANDA / PHOTOMATH

→ SOLUSI EDUKASI & **PROBLEM-SOLVING**

4. NOTION AI / GRAMMARLY / COPILOT / NOTEBOOKLM

→ **ALAT BANTU BELAJAR** DAN MENULIS

OBJEKTIF ALAT BANTU:

Eksplorasi, Manifestasi dan Inovasi.

Manifestasi dan Inovasi.

Validasi dan Eksplorasi.

Validasi dan Manifestasi.

A man with curly hair is sitting in front of a large window. The window has multiple panes and shows a view of a city skyline. The man is wearing a dark jacket. The text "OpenAI o1" is overlaid on the top half of the image, and "Reasoning" is overlaid on the bottom half.

OpenAI o1

Reasoning

AI REASONING MODEL

OPENAI'S O1 MODEL :

- ACHIEVED 83% SCORE ON THE INTERNATIONAL MATHEMATICS OLYMPIAD QUALIFYING EXAM,
- "CHAIN-OF-THOUGHT" PROMPTING TECHNIQUE, ALLOWS THE MODEL TO BREAK DOWN COMPLEX PROBLEMS INTO MANAGEABLE STEPS.

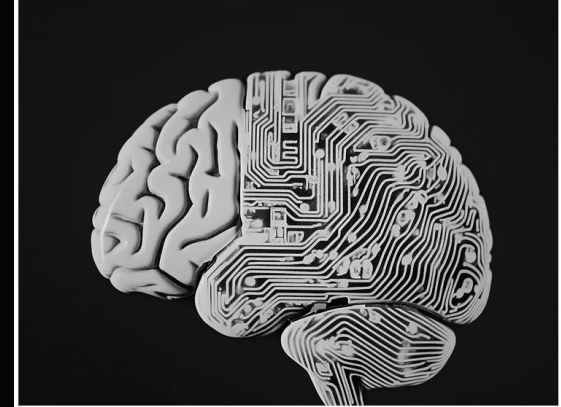
DEEPMIND ALPHAGEOMETRY :

- SOLVED 25 OUT OF 30 GEOMETRY PROBLEMS FROM THE INTERNATIONAL MATHEMATICAL OLYMPIAD UNDER COMPETITION TIME CONSTRAINTS,
- COMPARABLE TO HUMAN GOLD MEDALISTS.

ANTHROPIC'S CLAUDE :

- REMARKABLE PROFICIENCY IN SOLVING COMPLEX PHYSICS PROBLEMS,
- ACHIEVING A 96.5% ACCURACY RATE.

OpenAI Unveils o1-Preview: AI Model with PhD-Level Reasoning for Complex Problem-Solving



OpenAI has introduced o1-preview, the first in a new series of AI models designed to enhance reasoning capabilities for complex problem-solving in science, coding, and math. This model outperforms previous versions in challenging tasks and comes with improved safety measures.

Machine Learning & AI

OpenAI o1-preview – frontier LLM for math, science, code

f t in e

DeepSeek-R1: How a Chinese AI Lab Outsmarted OpenAI With Free PhD-Level Reasoning

 Sebastian Buzdugan [Follow](#) 3 min read · Jan 29, 2025

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- ✓ Standard and advanced voice mode with video and screensharing
- ✓ Access to deep research and multiple reasoning models (OpenAI o3, OpenAI o4-mini, and OpenAI o4-mini-high)
- ✓ Access to a research preview of GPT-4.5, our largest model yet, and GPT-4.1, a model optimized for coding tasks
- ✓ Create and use projects, tasks, and custom GPTs
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 - ✓ Unlimited access to advanced voice, with higher limits for video and screensharing
 - ✓ Access to OpenAI o1 pro mode, which uses more compute for the best answers to the hardest questions
 - ✓ Extended access to deep research
 - ✓ Extended access to Sora video generation
 - ✓ Access to a research preview of Operator
 - ✓ Access to research preview of Codex agent
- Unlimited subject to abuse guardrails. [Learn more](#)*

\$200 / month

Get Pro

TANTANGAN ETIS & STRUKTURAL DALAM PENGGUNAAN AI DI PENDIDIKAN

1. AKSES & KESETARAAN

AI BUKANLAH AKSES UNIVERSAL.

→ BANYAK MAHASISWA TIDAK PUNYA:

- KARTU KREDIT ATAU DANA UNTUK LANGGANAN TOOLS PREMIUM,
- KEMAMPUAN BAHASA INGGRIS UNTUK BERINTERAKSI DENGAN AI BERBASIS TEKS,
- PERANGKAT ATAU KONEKSI INTERNET MEMADAI.

2. TRANSPARANSI & AKURASI

GENERATIVE AI SEPERTI CHATGPT ATAU GEMINI BERSIFAT “BLACK BOX”.

→ KITA TIDAK TAHU DARI MANA SUMBER DATANYA, DAN APAKAH INFORMASINYA TELAH DIVERIFIKASI.

TANPA PEMAHAMAN DASAR, MAHASISWA BISA:

- SALAH MENGUTIP FAKTA
- GAGAL MEMBEDAKAN ANTARA OPINI VS. PENGETAHUAN ILMIAH
- ACUH PADA PLAGIARISME & LOGICAL FALLACY YANG DISALIN DARI AI.

TANTANGAN ETIS & STRUKTURAL DALAM PENGGUNAAN AI DI PENDIDIKAN

3. RISIKO **MENURUNNYA INTEGRITAS ILMU** PENGETAHUAN

"If I have seen further, it is by standing on the shoulders of giants." - ISAAC NEWTON

ILMU BERKEMBANG LEWAT **PROSES KOLEKTIF**:



KETERGANTUNGAN PADA AI BISA MEMBUAT PROSES INI MELEMAH, KARENA MAHASISWA HANYA “**MENGULANG DAN MERANGKAI ULANG**” TANPA BENAR-BENAR **MEMAHAMI DASAR-DASAR KEILMUAN** DAN PROSES KEILMUAN.

KESIMPULAN:

1. MESKIPUN AI MEMBAWA TANTANGAN DALAM BENTUK PENGANTIAN PEKERJAAN TERTENTU, **AI MEMBUKA PELUANG UNTUK PEKERJAAN BARU** YANG LEBIH KOMPLEKS.

2. SEBAGAI PENDIDIK, PENTING UNTUK MEMPERSIAPKAN MAHASISWA DENGAN KETERAMPILAN YANG RELEVAN,
(PEMIKIR DAN PELAKU / THINKER-DOER MINDSET)

AGAR MEREKA BISA MEMANFAATKAN PELUANG DAN TETAP KOMPETITIF DI PASAR KERJA YANG TERUS BERKEMBANG.

3. AI **BUKAN PENGGANTI PROSES BELAJAR**, TAPI ALAT BANTU.

4. KITA PERLU MEMASTIKAN MAHASISWA:

- TETAP BELAJAR DARI **SUMBER ASLI**,
- MENGEMBANGKAN **LOGIKA BERPIKIR**, BUKAN HANYA HASIL,
- MEMAHAMI DAN **MENGHARGAI NILAI BAIK DARI “PROSES”** ILMIAH, BUKAN “PRODUK” AKHIRNYA.



**“KNOWLEDGE IS NOT
COPY-PASTE. IT’S REFLECTION ,
REASONING , AND BUILDING UPON
WHAT CAME BEFORE US.”**

TERIMA KASIH

Tag: Instagram @ambilhati

Diskusi:

- *Instagram : @rosinsko*
- *Linkedin : Rosinsko Hiro*