

AI Academic Orchestrator

Tugas Proyek Perangkat Lunak

Integrasi Claude AI dengan Linear, Notion/Notion AI, dan PostHog

Claude sebagai AI Orchestrator • MCP/API • Workflow Automation • Analytics

CLAUDE

LINEAR

NOTION

POSTHOG

1. Tantangan Proyek

Mulai dari masalah nyata, bukan dari tools.

Masalah yang dipilih

Tugas akademik tersebar di banyak aplikasi
Deadline dan progres sulit dipantau
Dokumen/knowledge tidak terstruktur
Aktivitas pengguna sulit dianalisis

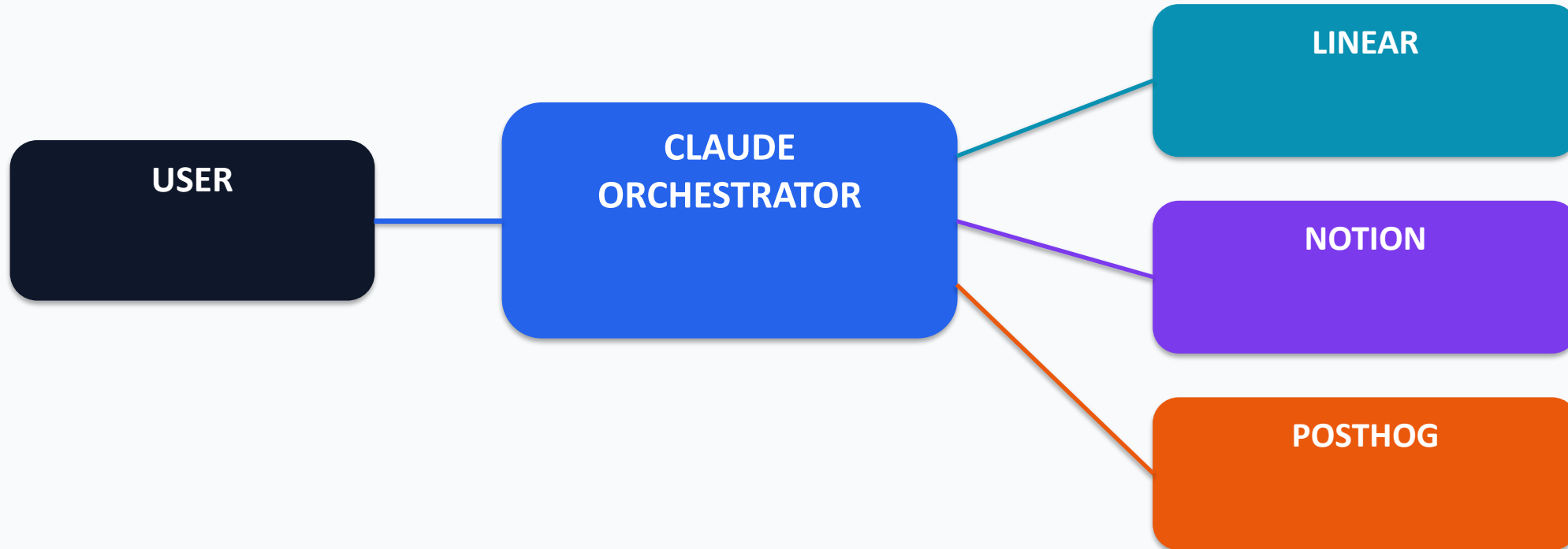
Solusi yang dirancang

Claude memahami permintaan user
Claude memilih tool yang tepat
Linear mengelola project & task
Notion menyimpan knowledge
PostHog mencatat analytics

Target pengguna

Mahasiswa
Dosen
Peneliti
Organisasi mahasiswa
Tim proyek akademik

2. Konsep Utama: AI Orchestration

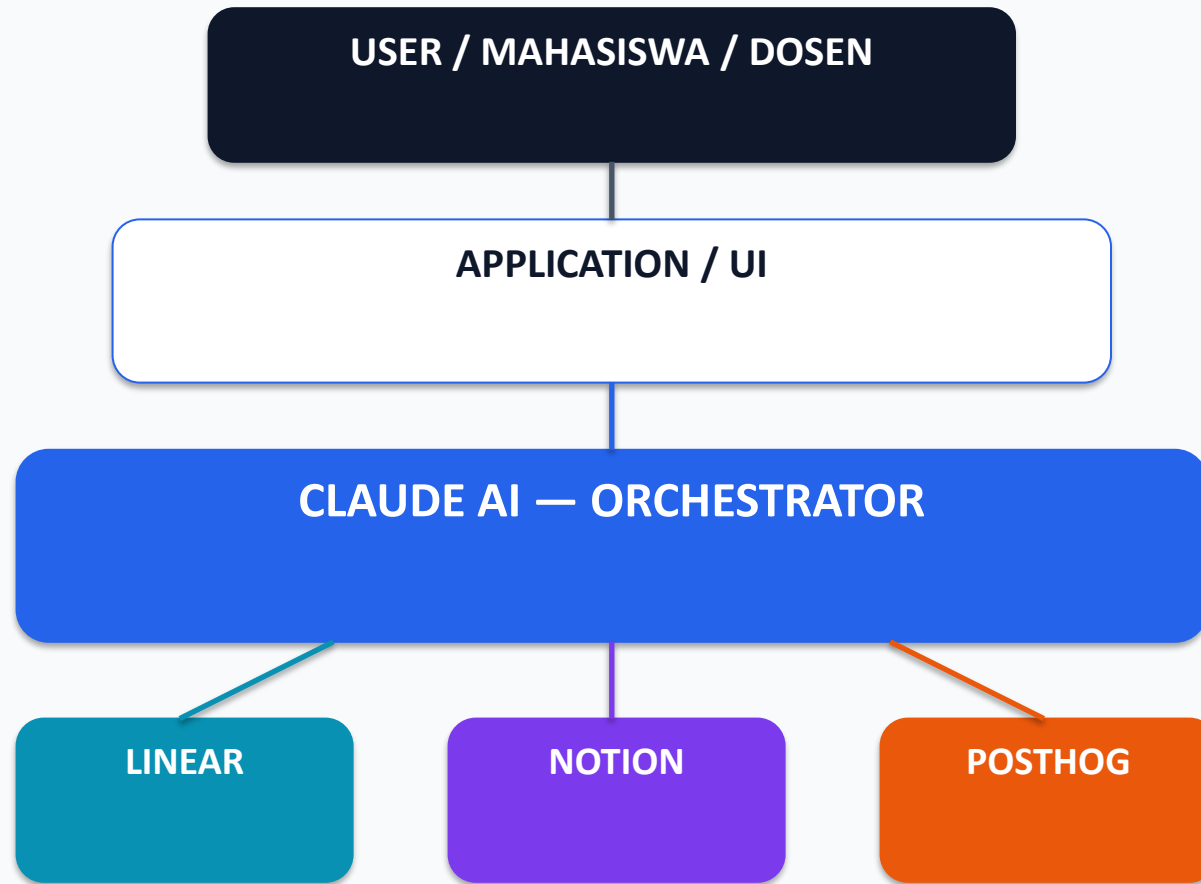


Claude bukan sekadar chatbot: Claude merencanakan, memilih tool, memanggil tool, membaca hasil, lalu menyusun respons akhir.

3. Peran Setiap Komponen

Komponen	Peran	Contoh output
Claude	Otak/orchestrator	Plan, routing, synthesis
Linear	Project & task management	Project, issue, milestone
Notion / Notion AI	Knowledge & document management	Page, database, research notes
PostHog	Analytics & observability	Events, dashboard, usage metrics
MCP / API	Jembatan integrasi	Tool calling & data exchange

4. Arsitektur Sistem yang Diharapkan



MCP/API Layer menjadi penghubung Claude dengan tools eksternal.

5. Workflow AI End-to-End

Contoh: AI Research Assistant



Mengenal 4 Komponen AI Orchestration

Claude • Linear • Notion / Notion AI • PostHog

CLAUDE
ORCHESTRATOR

LINEAR
PROJECT

NOTION
KNOWLEDGE

POSTHOG
ANALYTICS

Tujuan: membuat sistem perangkat lunak yang dapat berpikir, menjalankan aksi, menyimpan pengetahuan, dan mengukur hasil.

1. Gambaran Besar: Siapa Melakukan Apa?

Empat komponen memiliki fungsi berbeda dan saling melengkapi.

CLAUDE

Otak / orchestrator

Memahami intent • planning • tool selection • synthesis

LINEAR

Project execution

Project • issue • task • milestone • status

NOTION

Knowledge layer

Page • database • research notes • documentation

POSTHOG

Observability

Event • analytics • funnel • experiment • monitoring

2. CLAUDE AI — Otak dan Orchestrator

Claude menjadi pusat pengambilan keputusan dalam workflow.

Fungsi Claude

- Memahami bahasa natural user
- Menganalisis tujuan dan kebutuhan
- Membuat rencana langkah kerja
- Memilih tool yang diperlukan
- Memanggil tool melalui MCP/API
- Membaca hasil dari tool
- Menggabungkan hasil menjadi respons akhir

Contoh instruksi

- “Buat project penelitian AI untuk UMKM.”
- Claude menentukan Linear untuk project/task
- Claude menentukan Notion untuk knowledge base
- Claude mencatat workflow/aktivitas ke PostHog
- Claude membaca hasil ketiganya
- Claude membuat ringkasan kepada user

3. LINEAR — Mesin Eksekusi Project : linier.app

Linear digunakan untuk mengubah rencana AI menjadi pekerjaan yang terstruktur.

Apa yang dikelola Linear?

- Workspace & team
- Project
- Issue / task
- Status pekerjaan
- Priority
- Milestone
- Roadmap dan progres

Peran dalam proyek mahasiswa

- Claude membuat project berdasarkan intent
- Claude memecah pekerjaan menjadi task
- Task memiliki status dan prioritas
- Mahasiswa mengerjakan task di Linear
- Claude dapat membaca progres
- Progress menjadi dasar laporan

4. NOTION & NOTION AI — Knowledge Layer :

<https://www.notion.com/>

Notion sebagai Knowledge Base

Pages dan dokumen

Database

Research notes

Meeting notes

SOP dan dokumentasi

Project knowledge

Reference material

Notion AI / AI assistance

Membantu meringkas dan mengolah isi workspace

Membantu menemukan dan memahami informasi

Mendukung penulisan dan pengorganisasian konten

Dalam arsitektur proyek: Notion = knowledge layer

Claude tetap menjadi orchestrator utama

5. POSTHOG — Analytics & Observability : <https://posthog.com/>

PostHog menjawab: apa yang terjadi setelah sistem digunakan?

Yang dapat dimonitor

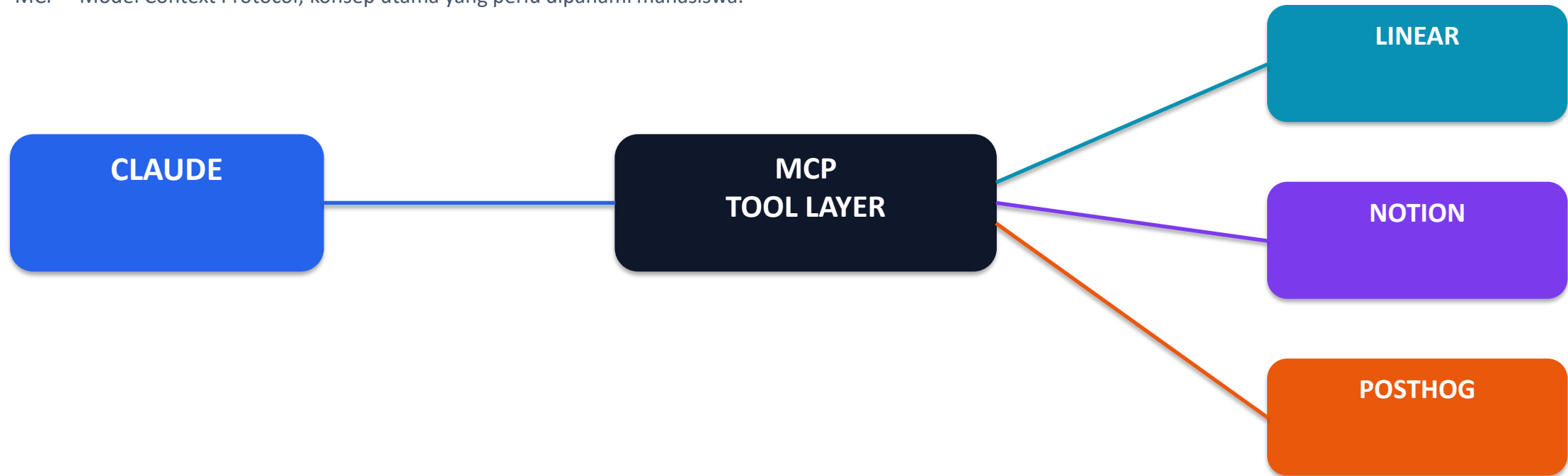
- Event pengguna
- Workflow completion
- Funnel
- Usage / engagement
- Experiment
- Feature flag
- Error / observability

Contoh event proyek

- research_project_created
- linear_task_created
- notion_workspace_created
- ai_workflow_completed
- ai_workflow_failed
- report_generated

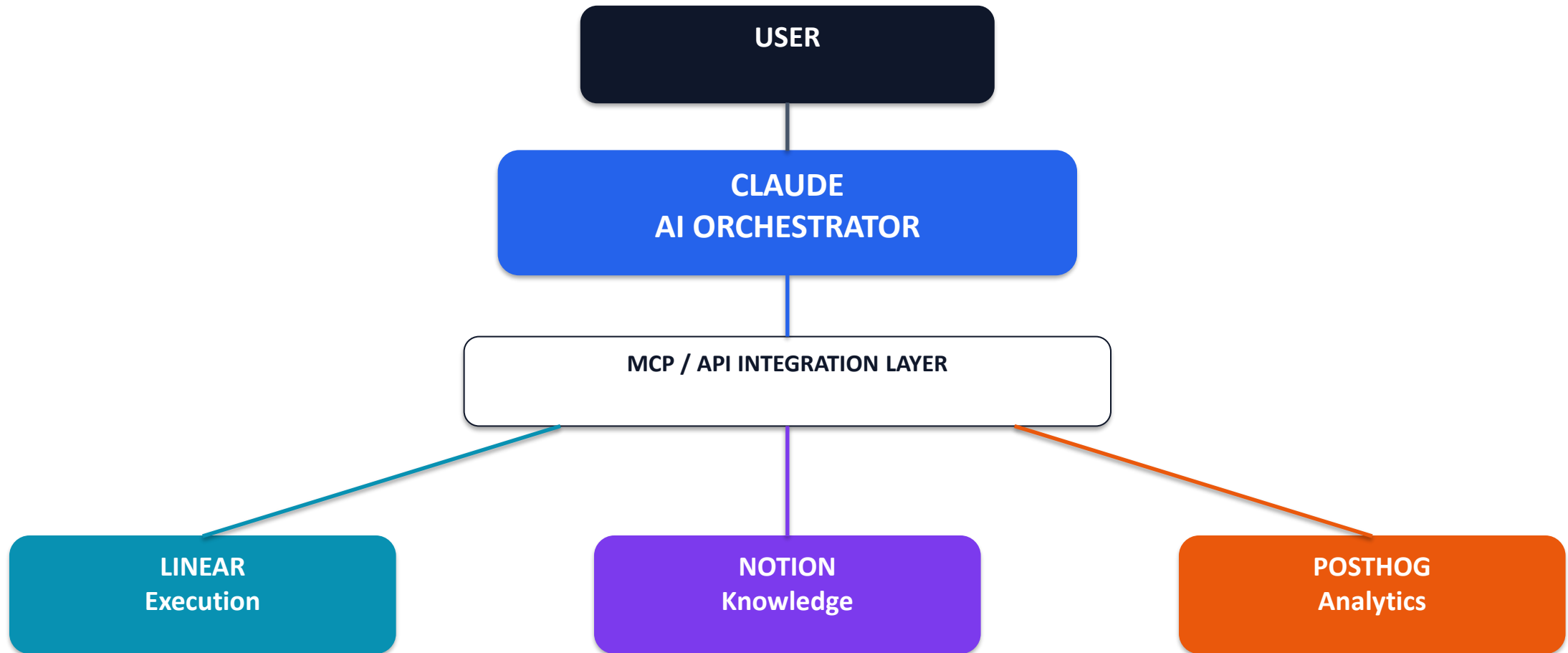
6. MCP — Jembatan Claude dengan Tools

MCP = Model Context Protocol; konsep utama yang perlu dipahami mahasiswa.



Prinsip: Claude tidak perlu mengetahui seluruh detail aplikasi. Claude menggunakan tool yang diekspos melalui konektor/MCP/API.

7. Arsitektur AI Orchestrator



8. Contoh Workflow AI: Membuat Proyek Penelitian



9. Contoh Use Case Mahasiswa/Dosen

AI Skripsi Assistant

Claude → Linear → Notion → PostHog

AI Research Assistant

Claude → Notion → Linear → PostHog

AI Course Assistant

Claude → Notion → Linear → PostHog

AI Seminar Manager

Claude → Linear → Notion → PostHog

AI PKM Project Manager

Claude → Linear → Notion → PostHog

AI Internship Manager

Claude → Linear → Notion → PostHog

10. Jangan Tertukar: Fungsi 4 Komponen

Komponen	Pertanyaan yang dijawab
Claude	Apa yang harus dilakukan dan tool mana yang digunakan?
Linear	Pekerjaan apa yang harus dilakukan dan bagaimana progresnya?
Notion	Pengetahuan/dokumen apa yang harus disimpan dan digunakan kembali?
PostHog	Apa yang terjadi saat sistem digunakan dan seberapa efektif workflow-nya?

11. Urutan Belajar Mahasiswa

1	Pahami masalah	2	Pahami 4 komponen
3	Eksplorasi masing-masing tool	4	Pelajari MCP/API
5	Claude + Linear	6	Claude + Notion
7	Claude + PostHog	8	Gabungkan end-to-end
9	Testing & error handling	10	Demo & dokumentasi

12. Apa yang Harus Ditunjukkan Saat Demo?

Wajib terlihat

- User memberikan satu instruksi natural language
- Claude membuat keputusan workflow
- Minimal 3 tool benar-benar dipanggil
- Linear menerima perubahan/project/task
- Notion menerima knowledge/document
- PostHog menerima event/analytics
- Claude memberikan ringkasan akhir

Nilai tambah

- Dynamic tool selection
- Error handling
- Retry / recovery
- Structured output
- Dashboard analytics
- Audit trail
- Human-in-the-loop approval

Inti Pembelajaran

Bangun software yang dapat mengorkestrasi AI + tools, bukan sekadar chatbot.

CLAUDE
Think & Route

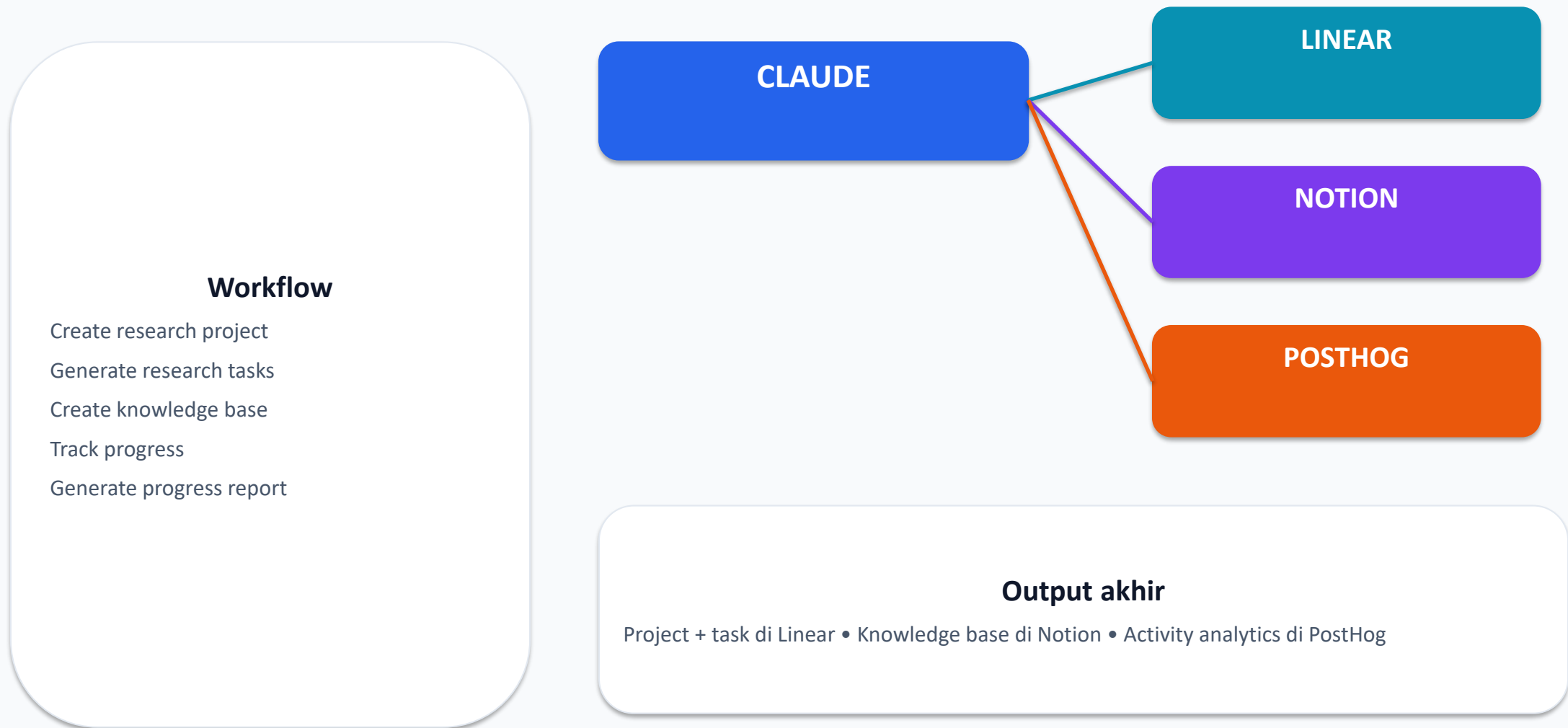
LINEAR
Execute

NOTION
Remember

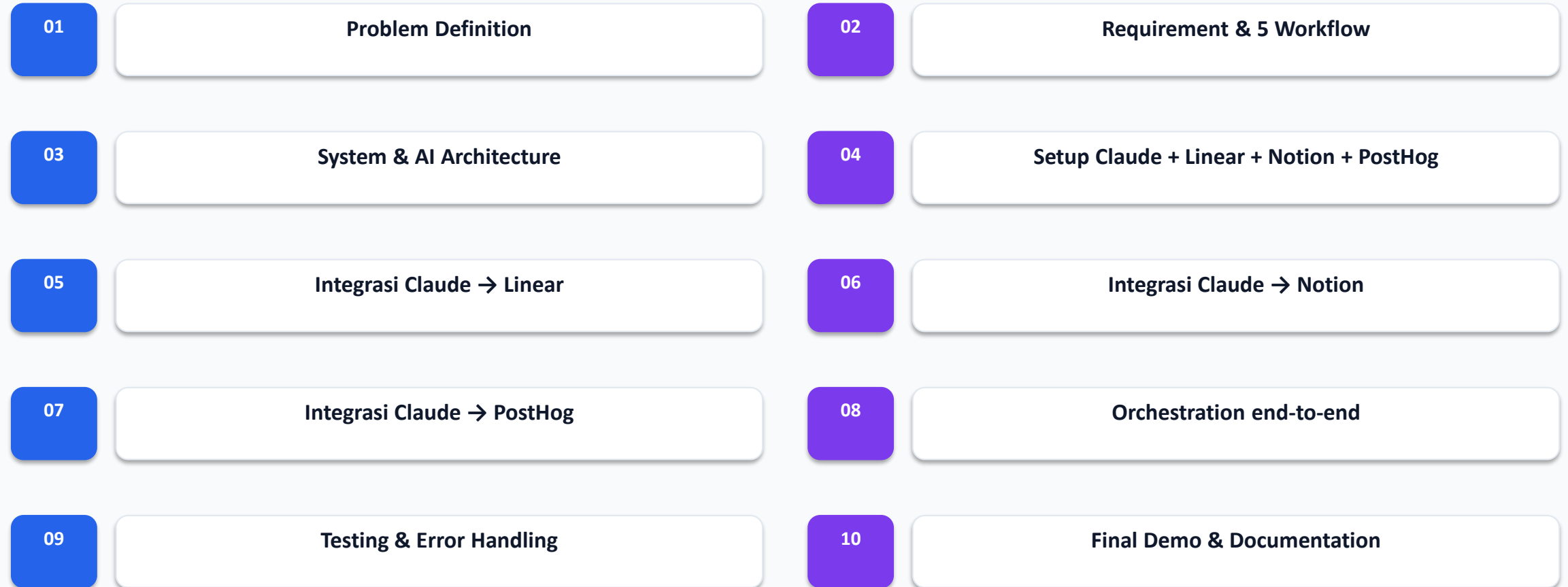
POSTHOG
Measure

Think → Act → Remember → Measure → Improve

6. Contoh Proyek: AI Skripsi Assistant



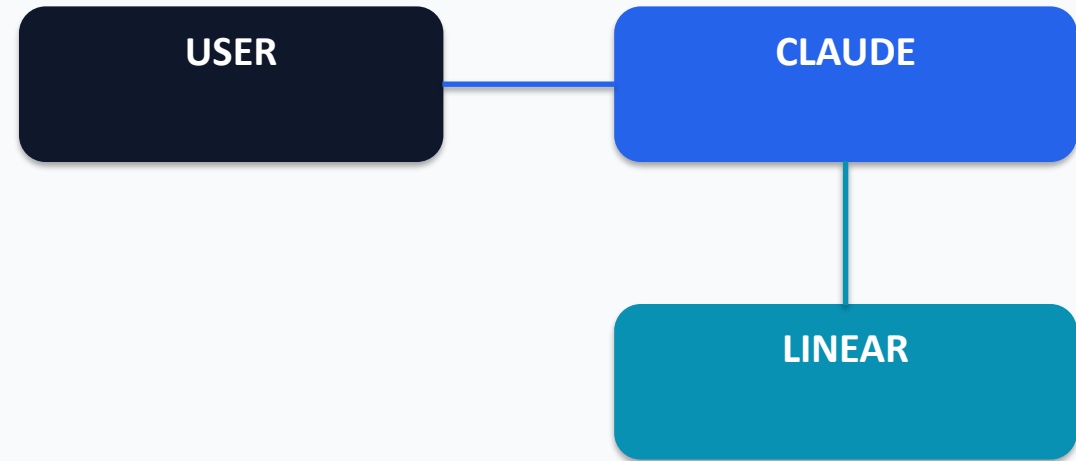
7. Langkah Implementasi Mahasiswa



8. Praktikum Integrasi 1 — Claude + Linear

Target

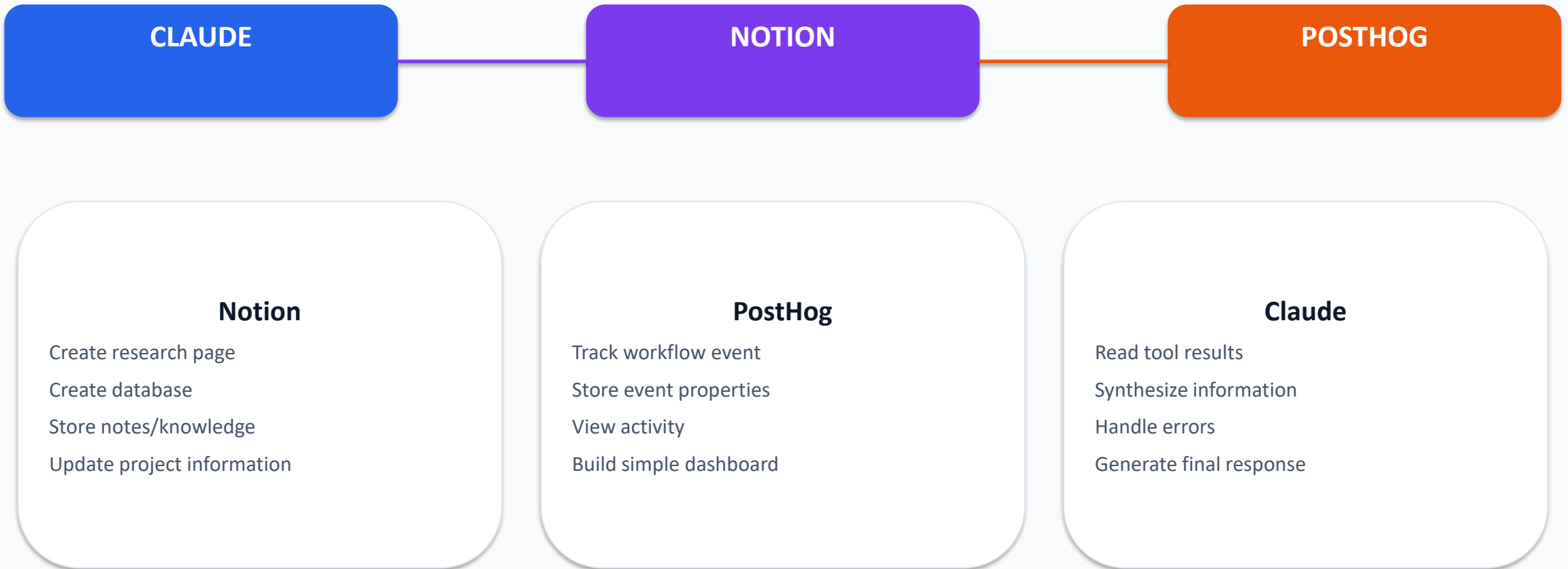
Claude menerima instruksi natural language
Claude menentukan bahwa Linear diperlukan
Project dibuat di Linear
Task/issues dibuat otomatis
Status/deadline dapat dikelola



Contoh prompt:

“Buat project Skripsi AI dengan 5 task utama dan deadline bertahap.”

9. Praktikum Integrasi 2 — Claude + Notion + PostHog



10. Kriteria: Apakah Ini Benar-benar Orchestration?

Belum orchestration

Claude hanya menghasilkan teks

Mahasiswa membuka Linear secara manual

Mahasiswa copy-paste ke Notion

PostHog tidak terhubung ke workflow

Sudah orchestration

Claude menganalisis permintaan

Claude memilih tool secara dinamis

Tool dipanggil melalui MCP/API

Claude membaca hasil tool

Claude menggabungkan hasil menjadi output

11. Testing & Error Handling

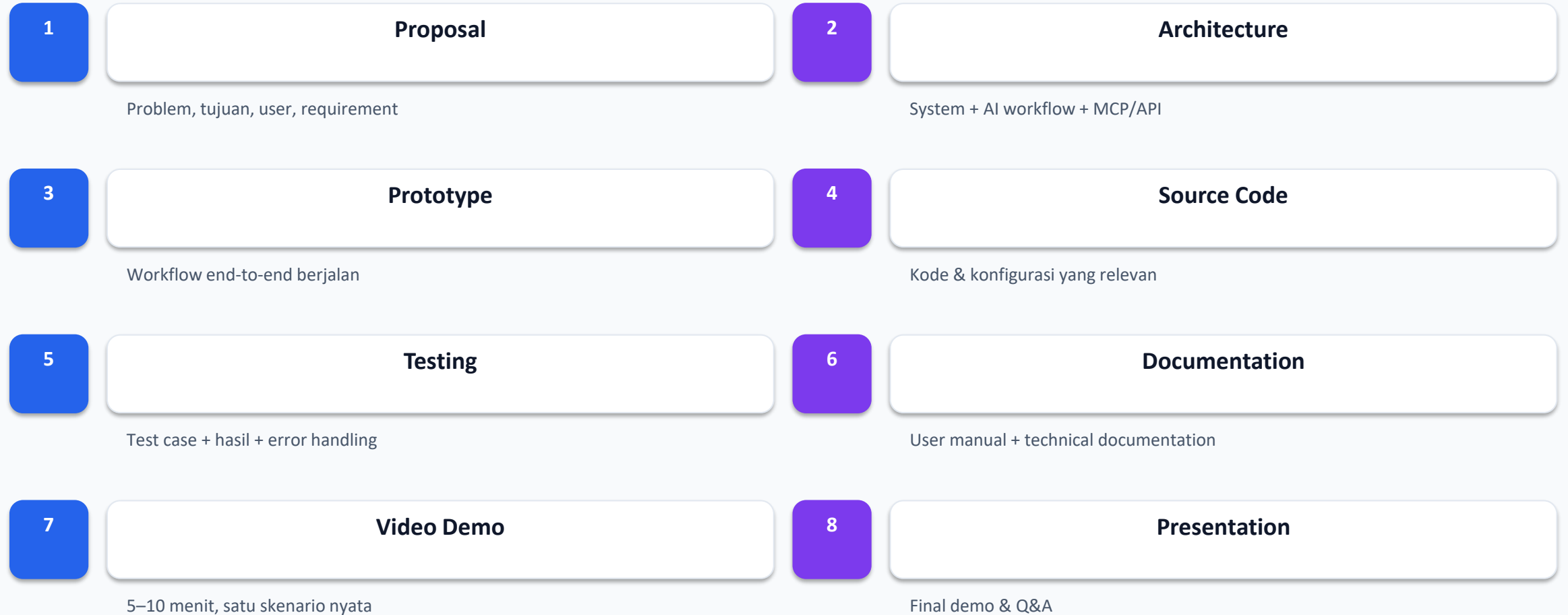
Minimal 10 test case

- Create project
- Create task
- Create Notion page
- Save knowledge
- Record PostHog event
- Generate report
- Invalid command
- Linear failure
- Notion failure
- Full end-to-end workflow

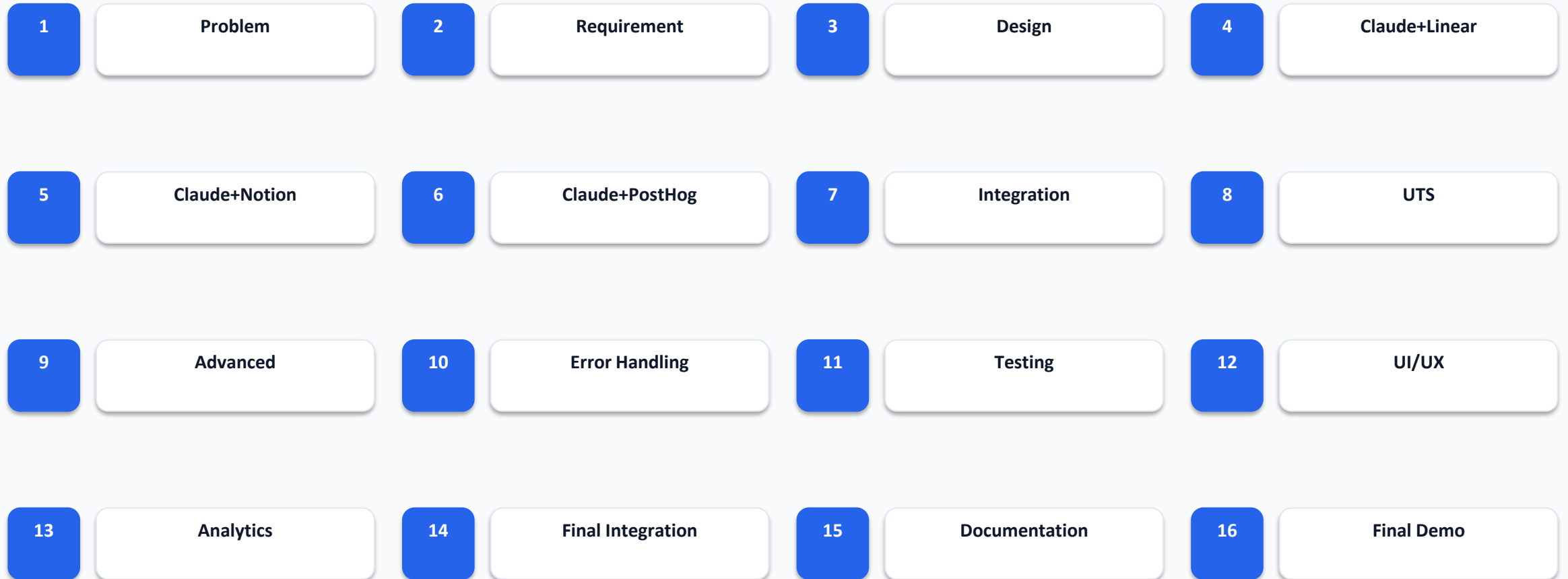
Prinsip error handling

- Jelaskan tool mana yang gagal
- Jangan mengarang hasil
- Pertahankan hasil tool yang berhasil
- Tawarkan retry / langkah pemulihan
- Catat error penting untuk monitoring

12. Deliverables Proyek



13. Timeline 16 Minggu



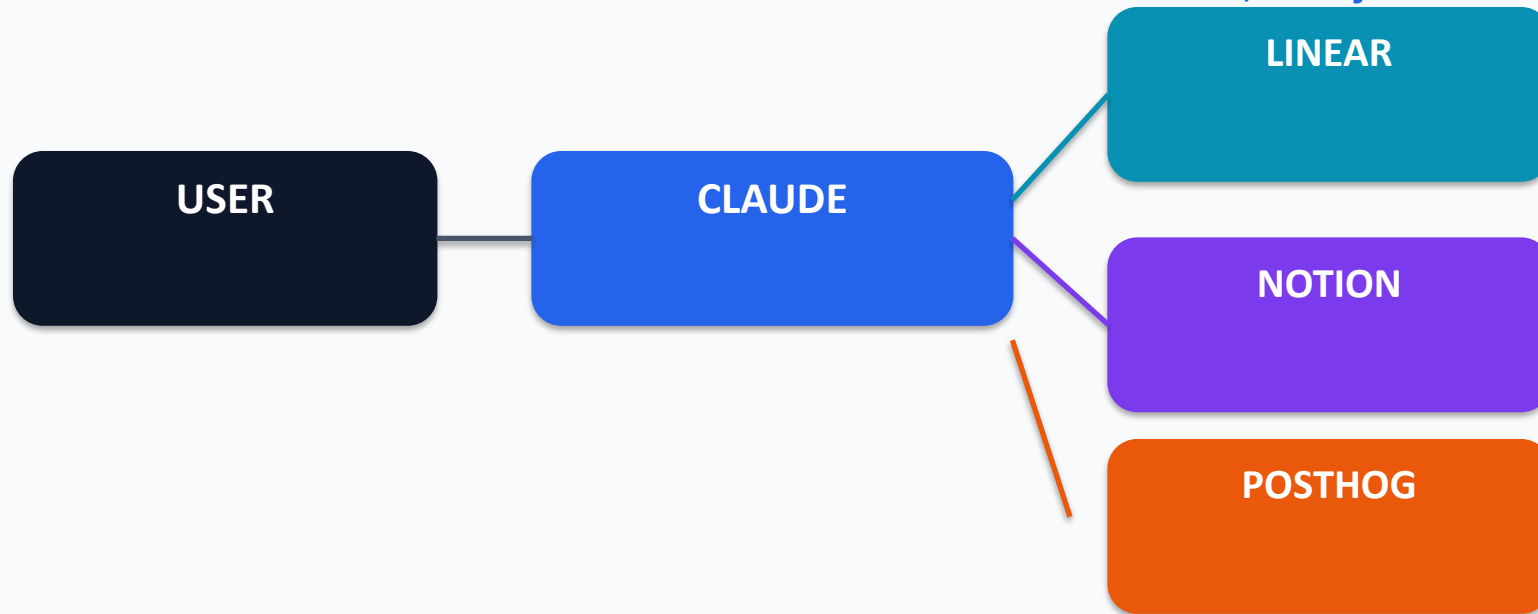
Milestone UTS: 3 tools terintegrasi dalam 1 workflow

14. Rubrik Penilaian

Problem & Requirement Analysis	10%
System / AI Architecture	15%
Claude Orchestration	20%
Linear + Notion + PostHog Integration	20%
Prototype / Functionality	15%
Testing & Error Handling	10%
Documentation	5%
Presentation & Demo	5%
TOTAL = 100%	

Target Akhir

Build an AI-native software workflow, not just an AI chatbot.



AI Agent • MCP • Tool Calling • Workflow Automation • Observability

PRAKTIKUM 1

Menghubungkan Claude AI dengan Linear

Claude sebagai AI Orchestrator • Linear sebagai Project Management Tool



1. Tujuan Praktikum

Setelah praktikum, mahasiswa mampu membuktikan koneksi Claude → Linear.

Kompetensi

- Mengenal konsep AI Orchestration
- Memahami peran Claude sebagai orchestrator
- Memahami Linear sebagai project/task tool
- Menghubungkan Claude dengan Linear melalui MCP
- Melakukan READ, CREATE, dan UPDATE
- Menguji workflow end-to-end

Target akhir

- Claude dapat membaca project Linear
- Claude dapat membuat issue/task
- Claude dapat membuat project
- Claude dapat mengubah status task
- Claude dapat merangkum progres project

2. Persiapan Praktikum

Gunakan akun yang tersedia bagi mahasiswa; untuk praktikum awal gunakan plan gratis bila fitur MCP tersedia.

Yang dibutuhkan

Akun Claude

Akun Linear

Browser/Claude Desktop sesuai konektor yang digunakan

Internet

Satu workspace/team Linear

Nama project untuk latihan

Konsep yang harus dipahami

Claude = AI / orchestrator

Linear = project & task management

MCP = jembatan/tool protocol

Prompt = instruksi natural language

Tool call = aksi yang dijalankan pada Linear

3. Arsitektur Praktikum



kan instruksi → Claude memahami intent → Claude memanggil Linear melalui MCP → Linear melakukan aksi → Claude membaca hasil →

4. STEP 1 — Siapkan Linear

Langkah

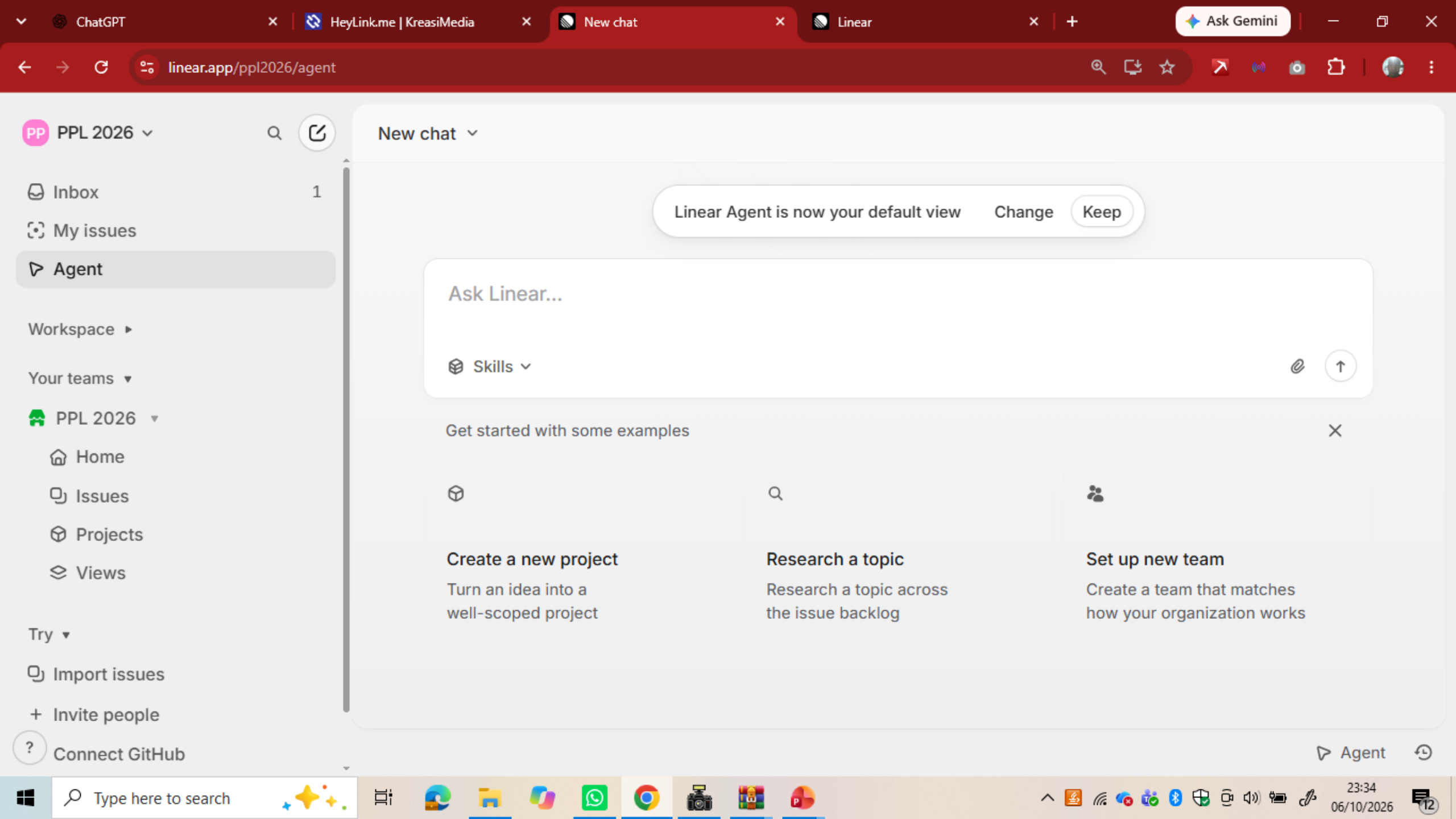
Buka Linear dan login
Buat / pilih Workspace
Buat Team untuk kelas, misalnya PPL-2026
Pastikan Anda memiliki akses membuat project/issue
Catat nama Workspace dan Team
Jangan dulu menghubungkan Claude

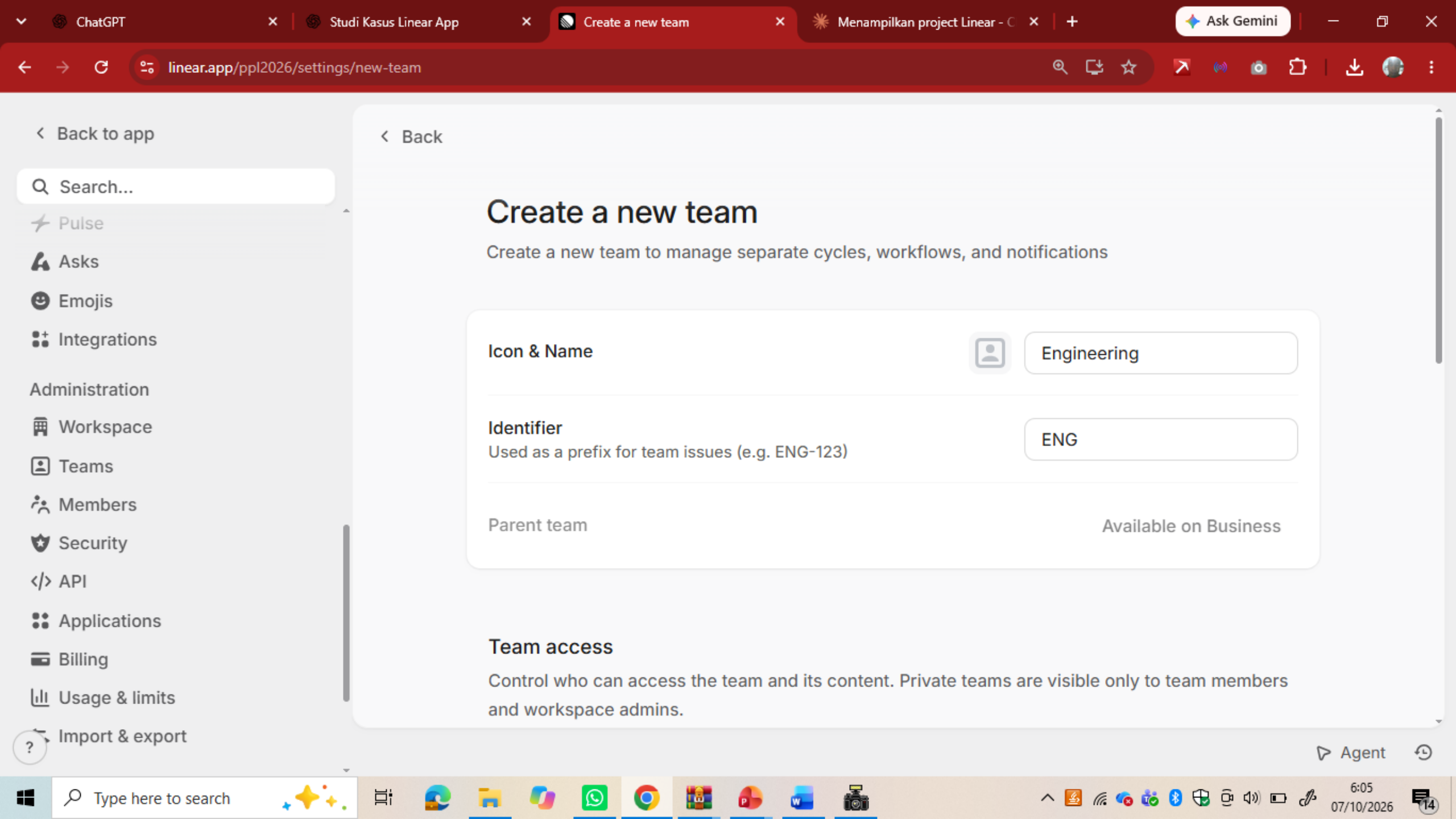
WORKSPACE: PPL 2026

TEAM: PROYEK PERANGKAT LUNAK

PROJECT: AI ACADEMIC ASSISTANT

ISSUES / TASKS





< Back to app

Q Search...

⚡ Pulse

👤 Asks

😊 Emojis

⚙️ Integrations

Administration

🏠 Workspace

👤 Teams

👥 Members

🛡️ Security

</> API

⚙️ Applications

💰 Billing

📊 Usage & limits

📁 Import & export

< Back

Create a new team

Create a new team to manage separate cycles, workflows, and notifications

Icon & Name



Engineering

Identifier

Used as a prefix for team issues (e.g. ENG-123)

ENG

Parent team

Available on Business

Team access

Control who can access the team and its content. Private teams are visible only to team members and workspace admins.

▶ Agent



Type here to search



6:05
07/10/2026



ChatGPT

Studi Kasus Linear App

Engineering > Team members

Menampilkan project Linear - C

Ask Gemini

linear.app/ppl2026/settings/teams/ENG/members

< Back to app

Search...

Teams

Members

Security

</> API

Applications

Billing

Usage & limits

Import & export

Your teams

Engineering

PPL 2026

+ Create a team

< Engineering

Team members

Search by name or email

All

Export CSV

Add a member

Name ↓	Email	Role
OC octojafar@gmail.com	octojafar@gmail.com	Workspace admin (Invited)
sularso budilaksono sularso2007	sularso2007@gmail.com	Workspace admin

?

Type here to search

6:07

07/10/2026

14

PP PPL 2026

Settings

Invite and manage members

Download desktop app

Switch workspace

Log out

G then S

O then W

Alt ⬆ Q

Members

Search by name or email

All

Export CSV

Invite

Name ↓	Email	Status	Teams	Joined	Last seen
--------	-------	--------	-------	--------	-----------

Active 1

	sularso budilaksono sularso2007	sularso2007@g...	Admin	1 team	Sep 29	● Online
---	------------------------------------	------------------	-------	--------	--------	----------

Invited 2

	agus.suwartane@g...	agus.suwartane...	Admin (Invited)	1 team	Oct 6	
	octojafar@gmail.com	octojafar@gmail...	Admin (Invited)	1 team	Sep 29	

Application 1

5. STEP 2 — Kenali Linear Secara Manual

Sebelum memakai Claude, mahasiswa harus memahami objek yang akan dikendalikan.

Buat manual sekali

1 Project: AI Academic Assistant
3–5 Issue/Task
Status: Todo / In Progress / Done
Priority
Description
Amati struktur project dan issue

Mengapa?

Mahasiswa harus tahu apa yang dibuat Claude
Memudahkan verifikasi hasil
Memahami istilah Linear
Membandingkan manual vs AI
Dasar untuk testing

ChatGPT

Studi Kasus Linear App

Engineering > Projects

Menampilkan project Linear - C

Ask Gemini

linear.app/ppl2026/team/ENG/projects/all

PP PPL 2026

Inbox

My issues

Agent

Workspace

Your teams

Engineering

- Home
- Issues
- Projects
- Views

PPL 2026

- Home
- Issues
- Projects
- Views

Engineering > Projects

All projects



Projects

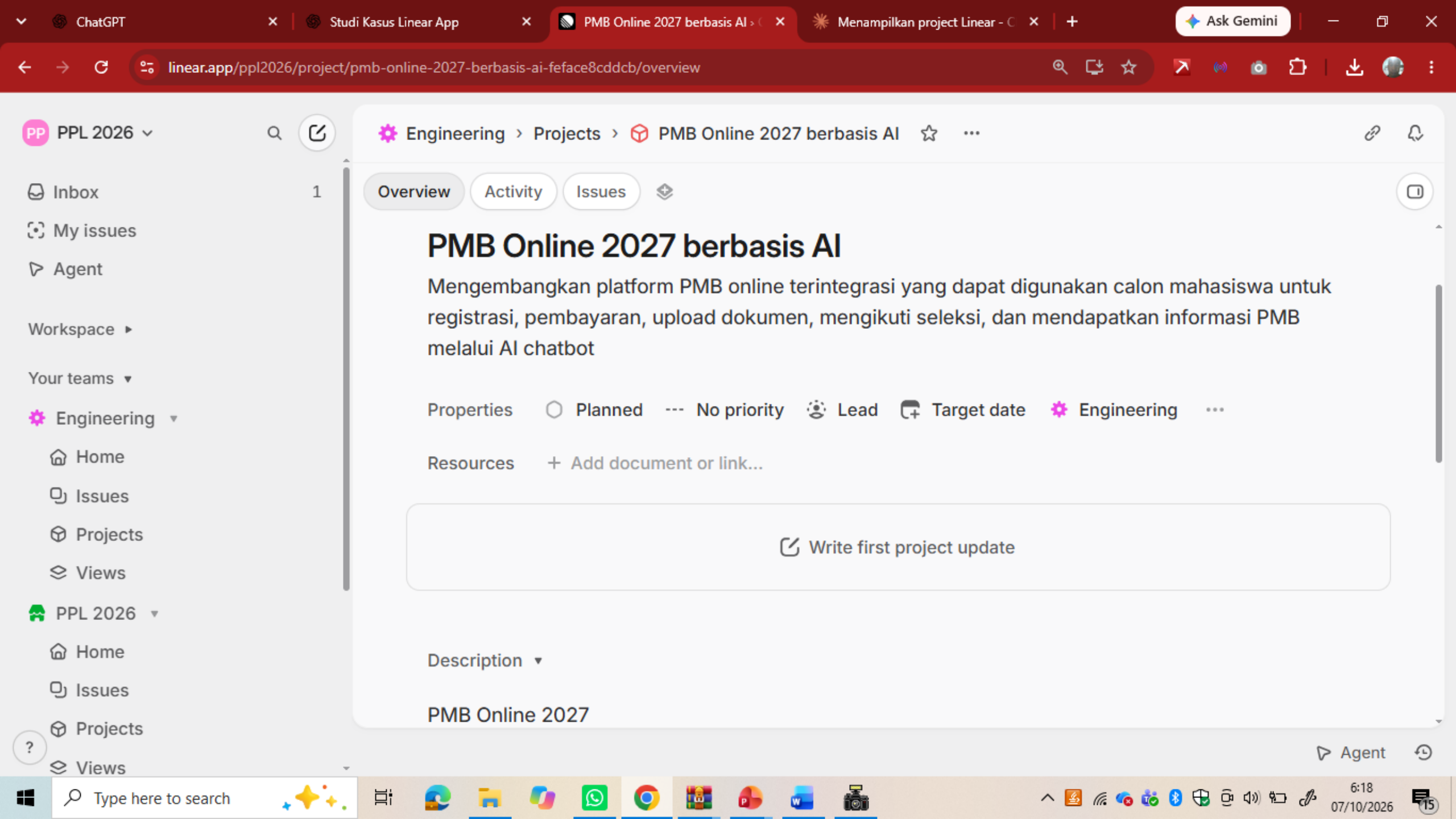
Projects are larger units of work with a clear outcome, such as a new feature you want to ship. They can be shared across multiple teams and are comprised of issues and optional documents.

Create new project N then PDocumentation

+ New project

Type here to search

6:12 07/10/2026



PP

PPL 2026

Inbox

My issues

Agent

Workspace

Your teams

Engineering

Home

Issues

Projects

Views

PPL 2026

Home

Issues

Projects

Views

1

Overview

Activity

Issues

Payment

Document Upload

Selection

AI Chatbot

WhatsApp Integration

Admin Dashboard

+ Milestone

Engineering > Projects > PMB Online 2027 berbasis AI

Star

More

Share

Alert

Agent

Refresh

ChatGPT

Studi Kasus Linear App

PMB Online 2027 berbasis AI

Menampilkan project Linear -

Ask Gemini

linear.app/ppl2026/project/pmb-online-2027-berbasis-ai-feface8cddcb/overview

PP PPL 2026

Inbox

My issues

Agent

Workspace

Your teams

Engineering

Home

Issues

Projects

Views

PPL 2026

Home

Issues

Projects

Views

Engineering > Projects > PMB Online 2027 berbasis AI

OverviewActivityIssues

Penyelesaian requirement dari aplikas PMB ONLINE 2027 berbasis AI

UI/UX Completed

Nov 7 · 0 issues · 0%

Penyelesaian pekerjaan UI/UX

MVP Development

Nov 30 · 0 issues · 0%

Pengembangan prototype aplikasi PMB 2027 BERBASIS AI

Milestone name

Set target date 0 issues · 0%

Add a description...

Agent

6:26 07/10/2026

6. STEP 3 — Buka Claude & Cari Connectors

Langkah umum

Login ke Claude
Buka Kustomisasi
Cari menu Connectors / Integrations
Cari Linear
Pilih Connect
Ikuti proses authorization

CLAUDE

Settings

Connectors

Linear → Connect

Claude

- + Baru
- Proyek
- Artifacts
- </> Kode
- Kustomisasi

Obrolan dan tugas

- Proposal hibah penelitian dengan m
- Literature synthesis for journal pub
- Perbaiki teks terdeteksi AI secara
- Redesign flyer yang eye-catching d
- Membuat video promosi flyer 30 de
- Kampus di Hanoi untuk kerja sama
- Desain rumah kost 3 lantai 25 kama
- Improving Community Service Gra

S Sularso · Free

Kustomisasi

Skills	Konektor	Plugin	Milik Anda	Jelajahi
--------	----------	--------	------------	----------



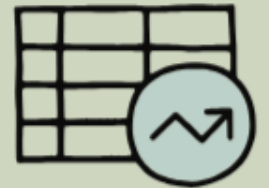



From Anthropocentric

Data

Query, chart and explain your data — SQL, spreadsheets and dashboards in one place.

Tambahkan



Skill baru

Tampilkan semua →

 **hygiene-self-monitoring** 

Keep a change to what the request names.
Bundles the hygiene-self-monitoring skill (the...
Anthropic Directory

 **aspiration-self-monitoring** 
Review before you close. Bundles the aspiration-self-monitoring skill (the 'what': after the last...
Anthropic Directory

 **Zero Guess** 

 **learn**  Use this skill when the user wants intellectual

ChatGPT

HeyLink.me | KreasiMedia

Members

Customize - Claude

Ask Gemini

claude.ai/customize/connectors/id/linear

Salin tautan

Claude

Baru

Proyek

Artifacts

Kode

Kustomisasi

Obrolan dan tugas

Proposal hibah penelitian dengan m

Literature synthesis for journal pub

Perbaikan teks terdeteksi AI secara

Redesign flyer yang eye-catching d

Membuat video promosi flyer 30 de

Kampus di Hanoi untuk kerja sama

Desain rumah kost 3 lantai 25 kama

Improving Community Service Grar

S

Sularso · Free

Konektor

Linear

Manage issues, projects & team workflows in Linear

Hubungkan ke Claude

Manage issues, projects, and team workflows in Linear with natural language. Create and update issues, track progress, plan cycles, and coordinate development tasks using Linear's streamlined project management interface for faster, more efficient workflows.

Tools

create_comment

create_issue

create_project

get_document

get_issue

get_project

get_team

get_user

list_comments

list_cycles

list_issue_labels

list_issue_statuses

list_issues

list_my_issues

list_projects

Type here to search

23:32 06/10/2026



Claude is requesting access

Details

Name:	Claude
Website:	https://claude.ai
Redirect URIs:	https://claude.ai/api/mcp/auth_callback
Access:	Read, Write, Identity, Email address

This MCP client is requesting access to your Linear workspace. By approving, you authorize Linear to share this data with Claude on behalf of your organization. Once shared, Claude's use of the data is governed by its own terms and privacy policy, not by Linear's terms or data commitments.

Owners and admins can revoke this connection at any time in Settings. [Learn about third-party applications.](#)

Cancel

Approve

ChatGPT

HeyLink.me | KreasiMedia

Members

Linear

Ask Gemini

linear.app/oauth/authorize?client_id=f69dcc4d4c3c994d8f7f1475b2b23a11&redirect_uri=https%3A%2F%2Fmcp.linear.app%2Fcallback&...

PP PPL 2026



MCP is requesting access

Select a workspace to authenticate

Workspace to connect

PP

PPL 2026

sularso2007@gmail.com

Type here to search



23:34

06/10/2026

12

ChatGPT

HeyLink.me | KreasiMedia

New chat

Customize - Claude

Ask Gemini

claude.ai/customize/connectors/id/linear

Salin tautan

Claude

Baru

Proyek

Artifacts

Kode

Kustomisasi

Obrolan dan tugas

Proposal hibah penelitian dengan m

Literature synthesis for journal pub

Perbaikan teks terdeteksi AI secara

Redesign flyer yang eye-catching d

Membuat video promosi flyer 30 de

Kampus di Hanoi untuk kerja sama

Desain rumah kost 3 lantai 25 kama

Improving Community Service Grar

S Sularso · Free

Konektor

Linear

Manage issues, projects & team workflows in Linear

Terhubung

Manage issues, projects, and team workflows in Linear with natural language. Create and update issues, track progress, plan cycles, and coordinate development tasks using Linear's streamlined project management interface for faster, more efficient workflows.

Tools

create_comment

create_issue

create_project

get_document

get_issue

get_project

get_team

get_user

list_comments

list_cycles

list_issue_labels

list_issue_statuses

list_issues

list_my_issues

list_projects

Izin alat Anda

Type here to search

23:35 06/10/2026

ChatGPT

Studi Kasus Linear App

PMB Online 2027 berbasis AI

Menampilkan project Linear - C

Ask Gemini

linear.app/ppl2026/project/pmb-online-2027-berbasis-ai-feface8cddcb/issues

PP PPL 2026

Inbox

My issues

Agent

Workspace

Your teams

Engineering

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Projects

Views

PPL 2026

Home

Issues

Projects

Views

1

Engineering > Projects > PMB Online 2027 berbasis AI

OverviewActivityIssues

Add issues to the project

Start building your project by creating an issue.

You can also add teams, team members, and project dates in the project sidebar.

Create new issue

Properties

StatusPlanned

PriorityNo priority

LeadAdd lead

MembersAdd members

DatesStart → Target

TeamsEngineering

SlackSlack channel

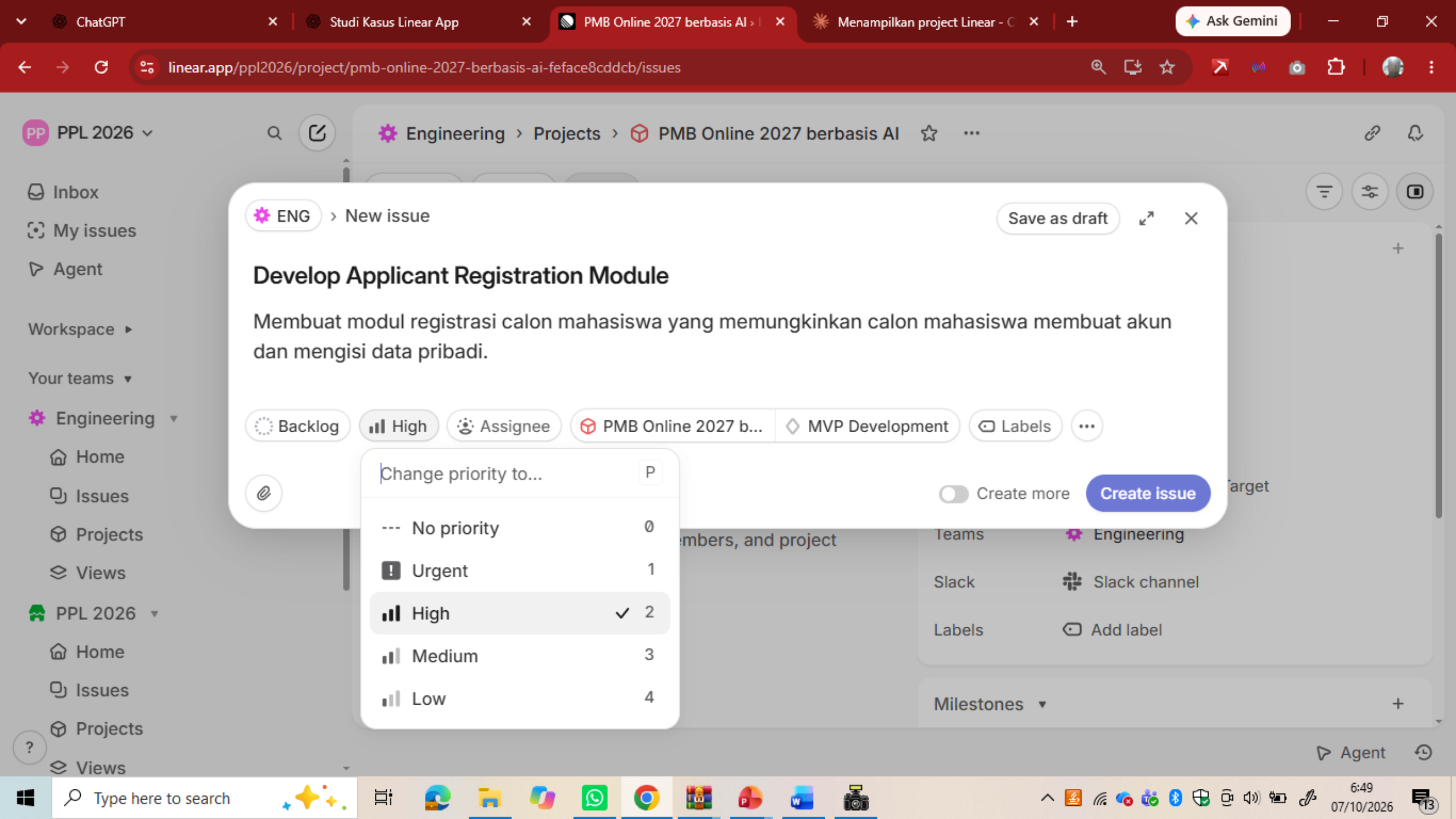
LabelsAdd label

Milestones

Agent

Type here to search

6:47 07/10/2026



ENG > New issue

Save as draft



Develop Applicant Registration Module

Membuat modul registrasi calon mahasiswa yang memungkinkan calon mahasiswa membuat akun dan mengisi data pribadi.

Backlog

High

Assignee

PMB Online 2027 b...

MVP Development

Labels



Change priority to...

P

--- No priority

0

! Urgent

1

High

✓ 2

Medium

3

Low

4

Create more

Create issue

Members, and project

Teams

Engineering

Slack

Slack channel

Labels

Add label

Milestones



Agent



Type here to search

6:49

07/10/2026

ChatGPT

Studi Kasus Linear App

PMB Online 2027 berbasis AI

Menampilkan project Linear - C

Ask Gemini

linear.app/ppl2026/project/pmb-online-2027-berbasis-ai-feface8cddcb/issues

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PP PPL 2026

Inbox

My issues

Agent

Workspace

Your teams

Engineering

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Issues

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Views

PPL 2026

Home

Issues

Projects

Views

Engineering > Projects > PMB Online 2027 berbasis AI

Overview Activity Issues

Backlog 1

ENG-1

Develop Applicant R...

Oct 7

Status

Planned

Priority

No priority

Lead

Add lead

Members

Add members

Dates

Start → Target

Teams

Engineering

Slack

Slack channel

Labels

Add label

Milestones

Agent

6:51 07/10/2026

ChatGPT

Studi Kasus Linear App

ENG-1 Develop Applicant Regis

Menampilkan project Linear - C

Ask Gemini

linear.app/ppl2026/issue/ENG-1/develop-applicant-registration-module

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Engineering > PMB Online 2027 berbasis AI > ENG-1 Develop Applicant Registration Module

1

Develop Applicant Registration Module

BacklogHighAssigneePMB Online 2027 b...MVP DevelopmentLabels

Membuat modul registrasi calon mahasiswa yang memungkinkan calon mahasiswa membuat akun dan mengisi data pribadi.

+ Add sub-issues

Add sub-issueCtrl↑O

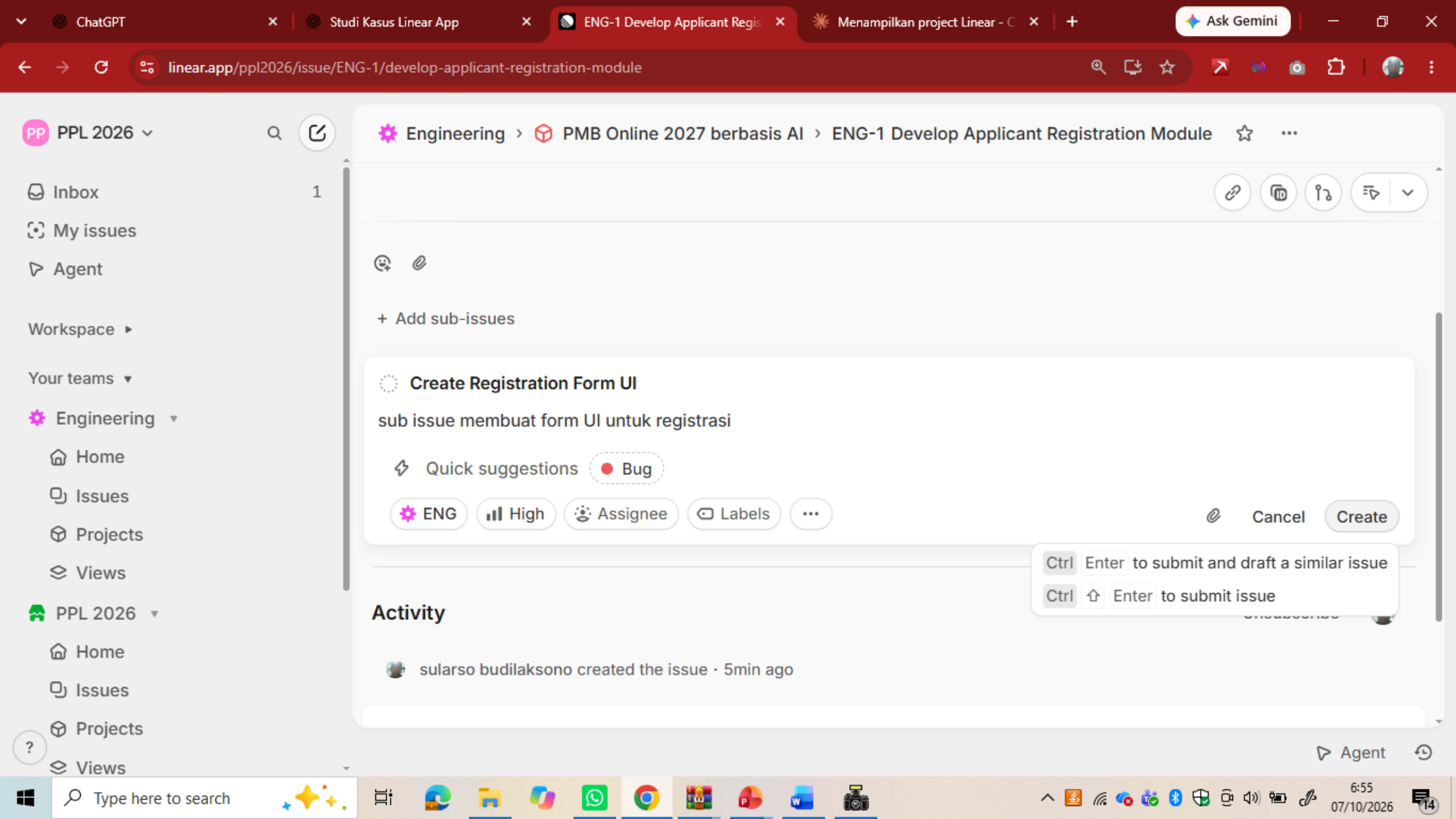
Activity

Unsubscribe

sularso budilaksono created the issue · 4min ago

Type here to search

6:5407/10/2026



7. STEP 4 — Authorize Linear

Claude akan meminta otorisasi agar dapat menggunakan Linear.



Perhatikan

Periksa workspace/team yang diberi akses. Gunakan akses minimum yang diperlukan untuk tugas.
Jika browser meminta izin, baca permission sebelum memilih Allow/Authorize.

8. STEP 5 — Verifikasi Koneksi



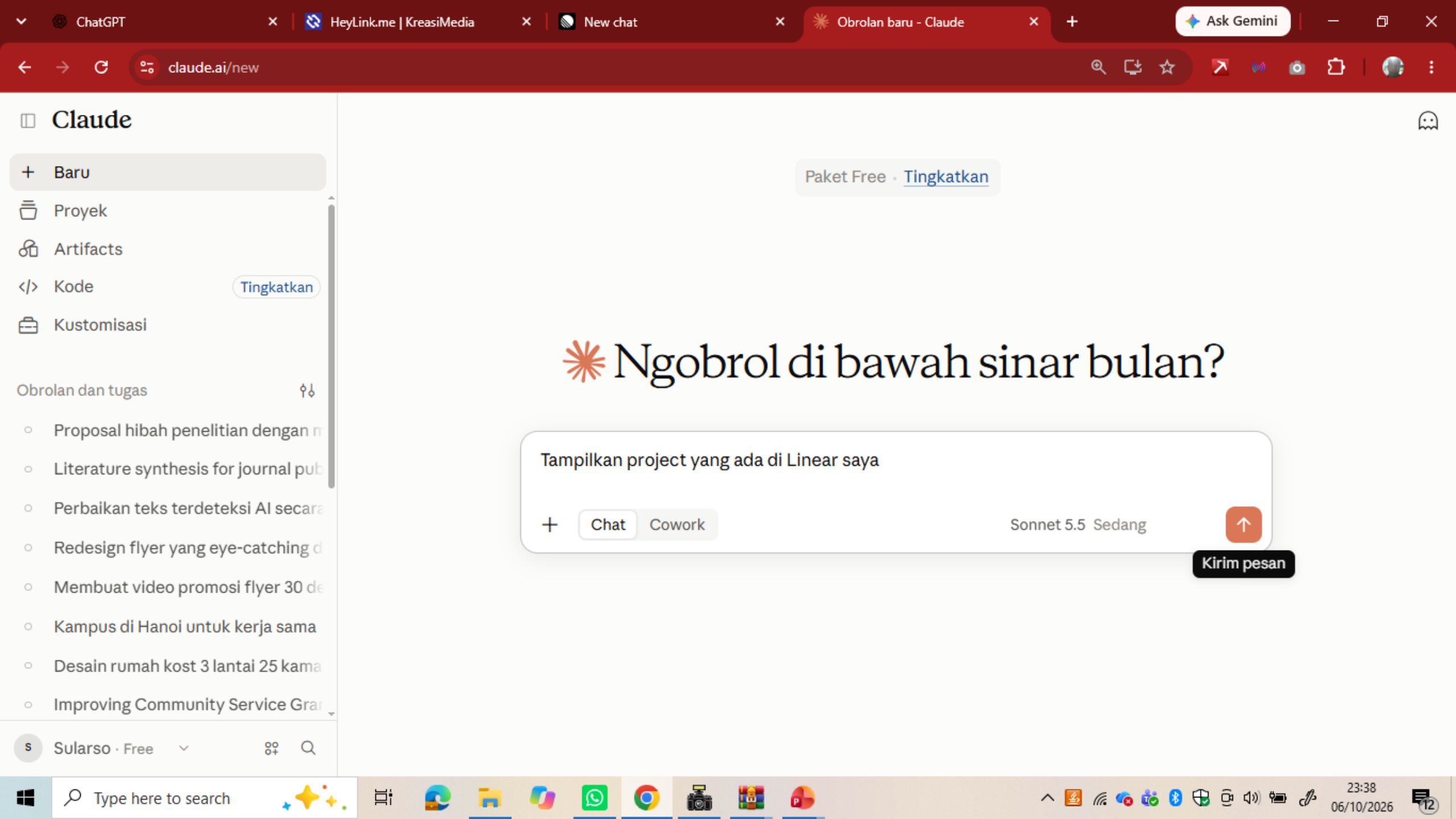
Tes pertama: READ ONLY

Prompt: “Tampilkan project yang ada di Linear saya.”

Prompt: “Tampilkan issue pada project AI Academic Assistant.”

Pastikan Claude dapat membaca data yang benar.

Jika READ belum berhasil, jangan lanjut ke CREATE.



9. STEP 6 — Tes CREATE: Buat Issue dari Claude

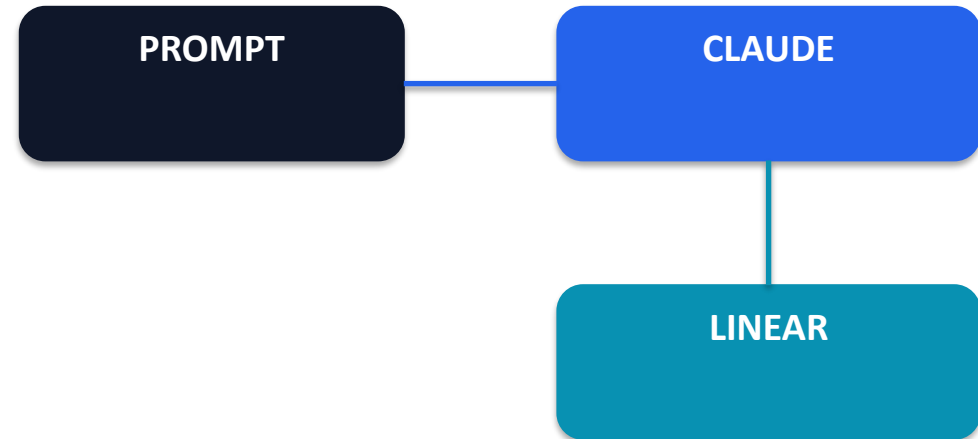
Prompt praktikum

“Buat issue baru di Linear dengan judul: Integrasi Claude AI.”

Tambahkan deskripsi singkat tentang tujuan issue.

Jika Claude meminta konfirmasi, periksa kembali aksi tersebut.

Buka Linear dan verifikasi issue.



Bukti keberhasilan: issue “Integrasi Claude AI” muncul di Linear.

10. STEP 7 — Tes CREATE: Buat Project dari Claude

Prompt

“Buat project baru bernama AI Academic Assistant.”

Pilih team yang sesuai bila diminta.

Setelah dibuat, minta Claude membaca kembali project tersebut.

Verifikasi project secara manual di Linear.

Claude → Create Project

Linear → AI Academic Assistant

11. STEP 8 — Buat Banyak Task dengan Satu Prompt

Mulai menguji kemampuan Claude sebagai orchestrator.

“Buat 8 task utama untuk pengembangan AI Academic Assistant: Analisis Kebutuhan, Use Case, System Design, UI/UX, Integrasi Claude, Integrasi Linear, Testing, dan Dokumentasi.”

Analisis

Use Case

System Design

UI/UX

Claude

Linear

Testing

Dokumentasi

Tujuan: natural language → planning → multiple Linear issues

12. STEP 9 — Tes UPDATE

Contoh prompt

“Ubah status Integrasi Claude AI menjadi In Progress.”

“Tambahkan deskripsi bahwa task membutuhkan MCP.”

“Ubah prioritas task Testing menjadi High.”

Periksa perubahan di Linear.

Claude → Update Issue

Linear → Status / Priority / Description

13. STEP 10 — Minta Claude Membaca & Merangkum Progres

Prompt

“Baca project AI Academic Assistant di Linear.”

“Tampilkan task yang belum selesai.”

“Ringkas progres project dalam 5 poin.”

“Apa pekerjaan berikutnya yang perlu dilakukan?”

Konsep yang diuji

Read data

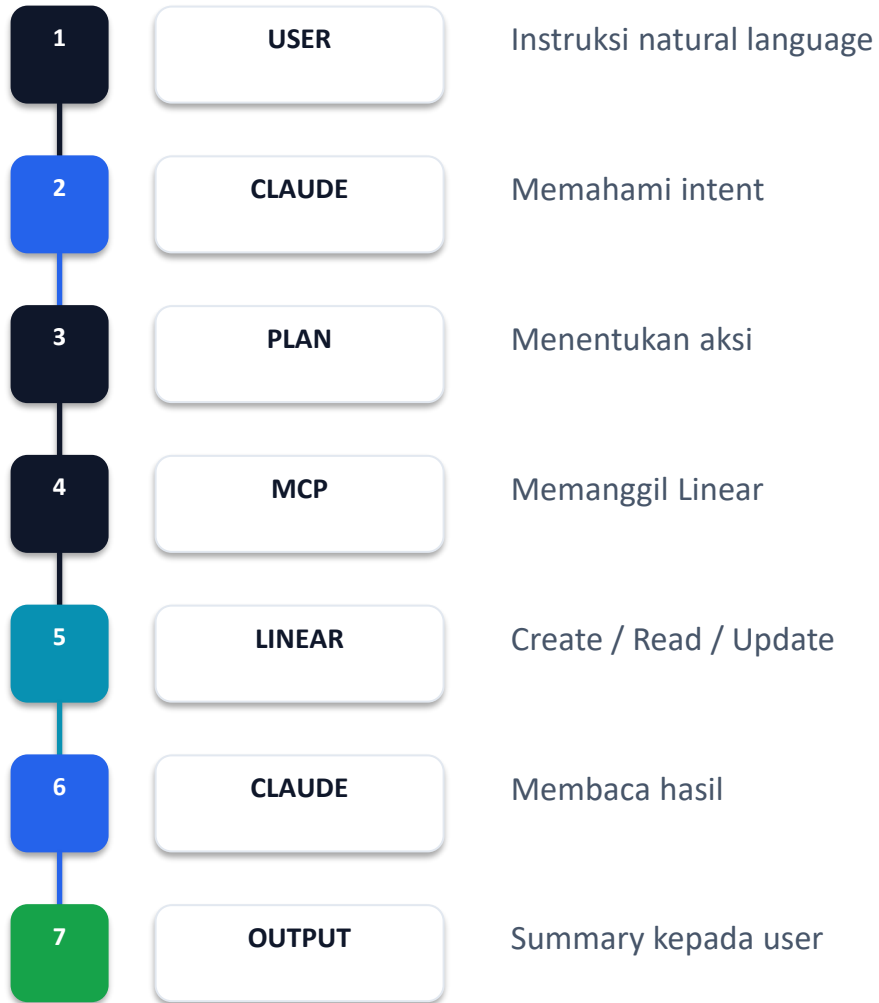
Reasoning

Prioritization

Synthesis

Natural-language reporting

14. Workflow Lengkap Praktikum 1



15. Testing — Minimal 10 Test Case

1	Read project	2	Read issue
3	Search project	4	Create issue
5	Create project	6	Create 5+ tasks
7	Update status	8	Update priority
9	Generate summary	10	Full workflow

16. Error Handling

Uji kondisi gagal

Linear connector tidak aktif
Workspace/team tidak sesuai
Issue tidak ditemukan
Claude meminta informasi tambahan
Permission tidak cukup
Aksi gagal dibuat

Respons yang diharapkan

Jelaskan error secara jelas
Jangan mengarang data
Minta user memperbaiki input bila perlu
Pertahankan hasil yang sudah berhasil
Lakukan retry setelah masalah diperbaiki

17. Tugas Mahasiswa — Praktikum 1

Tugas

- Hubungkan Claude dengan Linear
- Buat project AI Academic Assistant
- Buat minimal 8 task melalui Claude
- Update minimal 2 task
- Minta Claude membaca dan merangkum progres
- Dokumentasikan seluruh proses

Bukti yang dikumpulkan

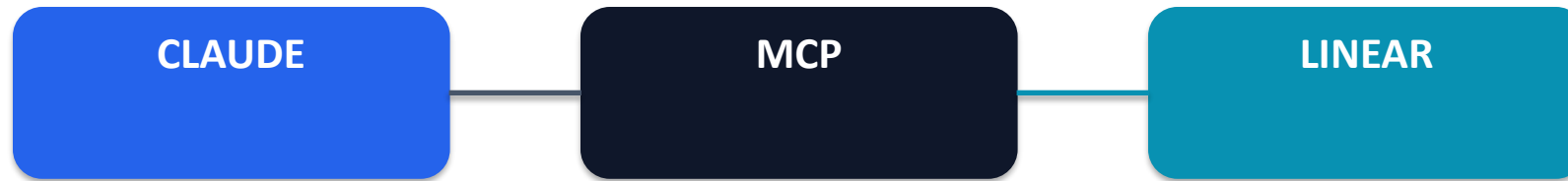
- Screenshot koneksi Linear
- Screenshot prompt
- Screenshot hasil di Linear
- Workflow diagram
- 10 test case + hasil
- Kesimpulan praktikum

18. Deliverable Praktikum

01	Laporan Praktikum	3–5 halaman	02	Workflow Diagram	User → Claude → MCP → Linear
03	Screenshot	Koneksi + operasi	04	Test Report	Minimal 10 test case
05	Video Demo	3–5 menit	06	Reflection	Apa yang dipelajari?

Milestone Praktikum 1

Claude berhasil membaca dan mengendalikan Linear melalui konektor/MCP.



Berikutnya: Praktikum 2 — Claude + Notion