Prism OpenAI untuk Penulisan Paper dan Book Chapter

Panduan penggunaan Prism sebagai scientific writing workspace berbasis LaTeX

1. Apa itu Prism OpenAI?

Prism adalah workspace penulisan ilmiah berbasis LaTeX yang mengintegrasikan AI langsung ke dalam manuskrip. Prism ditujukan untuk membantu peneliti menulis, merevisi, mengelola sitasi, persamaan, gambar, tabel, dan struktur dokumen ilmiah dalam satu lingkungan kerja.

2. Perbandingan ChatGPT dan Prism

Aspek	ChatGPT	Prism
Fungsi utama	Diskusi dan reasoning	Workspace manuskrip ilmiah
Output	Teks, ide, analisis	Dokumen LaTeX/manuskrip
Konteks dokumen	Percakapan/file	Konteks manuskrip
Formatting	Perlu ditata	Terintegrasi dengan LaTeX
Sitasi	Dapat dibantu	Citation workflow terintegrasi
Persamaan	Dapat dibuat	Natural dalam LaTeX
Compile PDF	Terpisah	Terintegrasi dalam workspace
Revisi	Melalui percakapan	Dapat diterapkan pada manuskrip

3. Prism untuk Membuat Paper

Workflow yang disarankan:

- Ide penelitian
- Research question
- Research gap
- Literature review
- Theoretical framework
- Conceptual model
- Methodology
- Results / Analysis
- Discussion
- Conclusion
- References
- PDF / Submission

4. Cara Memulai Prism

Buka Prism melalui https://prism.openai.com/ dan login menggunakan akun ChatGPT.

Setelah masuk, buat project baru atau impor project LaTeX yang sudah tersedia. Untuk proyek akademik, struktur sederhana dapat berupa:

- main.tex
- references.bib
- figures/
- tables/

5. Mulai dari Research Question

Contoh research question:

How can digital capital, alternative data, demand-based financing, and social capital be integrated into an intelligent community financing ecosystem to improve financing access, risk assessment, cash-flow resilience, and economic sustainability?

Prompt awal yang dapat digunakan:

> *Act as an academic research assistant.*
>
> *Based on the research question below, develop:*
> *1. research objectives*
> *2. research contributions*
> *3. research gaps*
> *4. conceptual framework*
> *5. theoretical foundations*
> *6. proposed propositions*
> *7. research methodology*
>
> *Research Question:*
> *[masukkan research question]*
>
> *Do not write the entire paper yet. First develop the research architecture.*

6. Struktur Paper Akademik

1. Introduction

2. Literature Review

3. Theoretical Foundation

4. Conceptual Framework

5. Research Methodology

6. Results

7. Discussion

8. Conclusion

9. Implications

10. Limitations and Future Research

References

7. Literature Review dan Zotero

Untuk pekerjaan akademik yang serius, gunakan Zotero sebagai reference manager dan Prism sebagai workspace manuskrip. Literatur dapat dikelompokkan berdasarkan konstruk, definisi, dimensi, pengukuran, hubungan antarvariabel, dan research gap.

Contoh struktur literature review:

- Digital Capital
- Alternative Data
- Thin-File Enterprises
- Demand-Based Financing
- Social Capital
- Research Gap

8. Conceptual Framework

Contoh model konseptual:

DIGITAL CAPITAL → ALTERNATIVE DATA → DEMAND EVIDENCE
DEMAND EVIDENCE: Pre-order / PO / Invoice
DEMAND-BASED FINANCING + SOCIAL CAPITAL
→ RISK ASSESSMENT → FINANCING ACCESS → PRODUCTION
→ SALES → CASH FLOW → ECONOMIC SUSTAINABILITY

9. Persamaan dan Model Matematis

Contoh model:

$$FA_i = \beta_0 + \beta_1 DC_i + \beta_2 AD_i + \beta_3 DE_i + \beta_4 SC_i + \varepsilon_i$$

FA = Financing Access; DC = Digital Capital; AD = Alternative Data; DE = Demand Evidence; SC = Social Capital; ε = error term.

10. Prism untuk Book Chapter

Book chapter sebaiknya tidak sekadar memperpanjang paper. Struktur chapter dapat lebih konseptual, pedagogis, dan aplikatif.

Abstract

Keywords

1. Introduction

2. The Changing Landscape of Community Financing

3. Digital Capital

4. Alternative Data and Thin-File Enterprises

5. Demand-Based Financing

6. Social Capital as Social Collateral

7. Integrated Community Financing Model

8. Conceptual Framework

9. Implementation Mechanism

10. Economic Implications

11. Policy and Managerial Implications

12. Future Research

13. Conclusion

References

11. Workflow ChatGPT + Zotero + Prism

RESEARCH IDEA
↓
CHATGPT – Research Thinking & Research Architecture
↓
ZOTERO – Reference Management
↓
PRISM – Scientific Manuscript Workspace
↓
LITERATURE + CITATIONS + EQUATIONS + FIGURES
↓
CONCEPTUAL FRAMEWORK
↓
REVISION / PEER REVIEW
↓
PDF / SUBMISSION

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12. Contoh Prompt untuk Prism

Membangun arsitektur penelitian

> *I am developing an academic conceptual paper.*
>
> *Research topic: Digital Capital and Demand-Based Financing for Thin-File Community Enterprises.*
>
> *Develop: research problem, research gap, research objectives, theoretical foundations, key constructs, relationships among constructs, conceptual framework, propositions, theoretical contribution, and practical contribution.*
>
> *Do NOT write the entire paper yet.*

Menulis Introduction

> *Draft Section 1: Introduction. Build the argument from macro problem → financing problem → thin-file enterprises → digital capital → alternative data → demand evidence → demand-based financing → research gap → research question → contribution. Use appropriate academic citations. Do not invent references.*

Menulis Literature Review

> *Draft Section 2: Literature Review. Organize the literature into Digital Capital, Alternative Data, Thin-File Enterprises, Demand-Based Financing, Social Capital, and Research Gap. Identify conceptual relationships among these constructs.*

Merevisi theoretical framework

> *Revise the theoretical framework so that Digital Capital, Alternative Data, Demand Evidence, and Social Capital are logically connected to financing access. Preserve consistency with the research question and existing manuscript.*

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13. Prinsip Validitas Akademik

AI dapat membantu menulis dan menyusun argumentasi, tetapi peneliti tetap harus memverifikasi sumber asli, angka statistik, hasil penelitian, causal claims, definisi teori, metodologi, dan setiap citation. Jangan menganggap citation yang dihasilkan AI otomatis benar.

- AI-generated claim → Check source
- Baca paper asli → Verify interpretation
- Verify citation → Keep / revise

14. Research Program yang Dapat Dikembangkan

Tema Digital Capital–Demand-Based Financing dapat dikembangkan menjadi rangkaian publikasi:

- Paper 1 – Digital Capital
- Paper 2 – Alternative Data
- Paper 3 – Demand-Based Financing
- Paper 4 – Social Capital as Social Collateral
- Paper 5 – Community-Based Financing Ecosystem
- Paper 6 – Digital Capital + DBF + Social Capital
- Book Chapter – Integrated Community Financing Model

15. Kesimpulan

ChatGPT dapat digunakan sebagai research thinking dan research architecture assistant, Zotero sebagai reference manager, dan Prism sebagai scientific manuscript workspace. Kombinasi ketiganya memungkinkan proses penelitian bergerak dari research question, literature review, conceptual framework, propositions, manuscript, hingga PDF secara lebih terstruktur.