Panduan Sitasi Paper

Checklist Referensi yang Perlu Ditambahkan

December 8, 2025

Status Overview

- ✓ DONE : Sudah ada di bibliography
- ■ CRITICAL : Harus ditambahkan (teknologi inti sistem)
- ■ IMPORTANT : Sebaiknya ditambahkan (komponen penting)
- ■ OPTIONAL : Opsional (pelengkap konteks)

1 Teknologi Inti Sistem

1.1 ✓ DONE PaddleOCR

Referensi: `cui2025paddleocr`
Status: Sudah disitasi dengan benar
Penempatan: Literature Review - OCR Technology

1.2 ✓ DONE Hyperledger Fabric

Referensi: `androulaki2018hyperledger`
Status: Baru ditambahkan
Penempatan: Literature Review - Blockchain Technology
Entry BibTeX:

```
@inproceedings{androulaki2018hyperledger,
  title={Hyperledger fabric: a distributed operating system
         for permissioned blockchains},
  author={Androulaki, Elli and Barger, Artem and Bortnikov,
          Vita and others},
  booktitle={Proceedings of the thirteenth EuroSys conference},
  pages={1--15},
  year={2018}
}
```

1.3 ✓ DONE Blockchain in Supply Chain

Referensi: `saberi2019blockchain`
Status: Sudah disitasi
Penempatan: Literature Review - Blockchain Applications

1.4 ✓ DONE OCR + Blockchain Integration

Referensi: `abubo2024blockchain`
Status: Sudah disitasi
Penempatan: Literature Review - Integration Technologies

2 Teknologi yang HARUS Ditambahkan

2.1 ■ CRITICAL Microservices Architecture

Alasan: Arsitektur utama sistem Anda
Penempatan: Literature Review atau System Design
Saran penulisan:

> "Microservices architecture has emerged as a dominant pattern for building scalable distributed systems [**?**]. This architectural style decomposes applications into loosely coupled services that can be developed, deployed, and scaled independently."

Entry BibTeX:

```
@inproceedings{dragoni2017microservices,
  title={Microservices: yesterday, today, and tomorrow},
  author={Dragoni, Nicola and Giallorenzo, Saverio and
          Lafuente, Alberto Lluch and others},
  booktitle={Present and ulterior software engineering},
  pages={195--216},
  year={2017},
  publisher={Springer}
}
```

Alternatif:

```
@book{newman2015building,
  title={Building microservices: designing fine-grained
         systems},
  author={Newman, Sam},
  year={2015},
  publisher={O'Reilly Media}
}
```

2.2 ■ CRITICAL BPMN (Business Process Modeling)

Alasan: Anda menggunakan BPMN diagrams dalam modeling
Penempatan: Methodology atau System Design
Saran penulisan:

> "Business Process Model and Notation (BPMN) provides a standardized graphical notation for modeling business processes [?], enabling clear communication between business stakeholders and technical teams."

Entry BibTeX:

```
@book{allweyer2016bpmn,
  title={BPMN 2.0: introduction to the standard for
         business process modeling},
  author={Allweyer, Thomas},
  year={2016},
  publisher={BoD--Books on Demand}
}
```

2.3 ■ CRITICAL UML (Unified Modeling Language)

Alasan: Anda menggunakan UML diagrams (Use Case, Sequence, dll)
Penempatan: Methodology atau System Design
Saran penulisan:

> "The system design utilizes Unified Modeling Language (UML) diagrams [?] to represent various aspects of the system architecture, including use case scenarios, sequence flows, and component interactions."

Entry BibTeX:

```
@book{booch2005unified,
  title={The unified modeling language user guide},
  author={Booch, Grady and Rumbaugh, James and
          Jacobson, Ivar},
  year={2005},
  publisher={Pearson Education India}
}
```

3 Teknologi yang SEBAIKNYA Ditambahkan

3.1 ■ IMPORTANT Docker & Containerization

Alasan: Fondasi deployment sistem Anda
Penempatan: Implementation atau Deployment section
Saran penulisan:

> "The system leverages containerization technology through Docker [?] to ensure consistent deployment across different environments and facilitate scalability."

Entry BibTeX (Pilihan 1 - Official):

```
@misc{docker2024,
  author = {{Docker Inc}},
  title = {Docker: Enterprise Container Platform},
  year = {2024},
  url = {https://www.docker.com},
  note = {Accessed: December 2024}
}
```

Entry BibTeX (Pilihan 2 - Academic):

```
@article{pahl2015containerization,
  title={Containerization and the PaaS cloud},
  author={Pahl, Claus},
  journal={IEEE Cloud Computing},
  volume={2},
  number={3},
  pages={24--31},
  year={2015},
  publisher={IEEE}
}
```

3.2 ■ IMPORTANT n8n Workflow Automation

Alasan: Komponen kunci orchestration sistem
Penempatan: System Architecture atau Implementation
Saran penulisan:

> "Workflow orchestration is managed through n8n [**?**], an open-source automation tool that enables low-code integration between OCR processing and blockchain recording."

Entry BibTeX:

```
@misc{n8n2024,
  author = {{n8n GmbH}},
  title = {n8n: Workflow Automation Tool},
  year = {2024},
  url = {https://n8n.io},
  note = {Accessed: December 2024}
}
```

3.3 ■ IMPORTANT Apache Kafka

Alasan: Ordering service dalam Hyperledger Fabric
Penempatan: System Architecture - Blockchain Components
Saran penulisan:

> "The ordering service utilizes Apache Kafka [**?**], a distributed streaming platform that provides high-throughput, fault-tolerant message ordering for blockchain transactions."

Entry BibTeX:

```
@inproceedings{kreps2011kafka,
  title={Kafka: A distributed messaging system for
         log processing},
  author={Kreps, Jay and Narkhede, Neha and Rao, Jun
          and others},
  booktitle={Proceedings of the NetDB},
  volume={11},
  pages={1--7},
  year={2011}
}
```

3.4 ■ IMPORTANT Supply Chain Management

Alasan: Konteks domain aplikasi (fuel logistics)
Penempatan: Introduction atau Literature Review
Saran penulisan:

> "Supply chain management in logistics operations [**?**] requires accurate documentation and traceability, particularly in fuel distribution where compliance and audit trails are critical."

Entry BibTeX:

```
@book{ballou2004business,
  title={Business logistics/supply chain management:
         planning, organizing, and controlling the
         supply chain},
  author={Ballou, Ronald H},
  year={2004},
  publisher={Pearson Education}
}
```

4 Teknologi OPSIONAL

4.1 ■ OPTIONAL MongoDB

Alasan: Database utama untuk off-chain storage
Entry BibTeX:

```
@book{chodorow2013mongodb,
  title={MongoDB: the definitive guide},
  author={Chodorow, Kristina},
  year={2013},
  publisher={O'Reilly Media}
}
```

4.2 ■ OPTIONAL Gossip Protocol

Alasan: Disebutkan dalam Fabric architecture
Entry BibTeX:

```
@inproceedings{demers1987epidemic,
  title={Epidemic algorithms for replicated database
         maintenance},
  author={Demers, Alan and Greene, Dan and Hauser, Carl
          and others},
  booktitle={Proceedings of the sixth annual ACM Symposium
             on Principles of distributed computing},
  pages={1--12},
  year={1987}
}
```

4.3 ■ OPTIONAL Document Automation / RPA

Alasan: Tema umum paper Anda
Entry BibTeX:

```
@article{van2018robotic,
  title={Robotic process automation},
  author={Van Der Aalst, Wil MP and Bichler, Martin
          and Heinzl, Armin},
  journal={Business \& Information Systems Engineering},
  volume={60},
  number={4},
  pages={269--272},
  year={2018},
  publisher={Springer}
}
```

5 Checklist Implementasi

5.1 Langkah 1: Update file .bib

1. Copy entry BibTeX yang dipilih ke file `references.bib`
2. Pastikan key tidak duplikat
3. Compile untuk cek error

5.2 Langkah 2: Tambahkan sitasi di .tex

1. Identifikasi lokasi yang tepat untuk setiap sitasi
2. Gunakan format: `\cite{key}` atau `~\cite{key}`
3. Pastikan flow kalimat natural

5.3 Langkah 3: Verifikasi

1. Compile dengan: `pdflatex` → `bibtex` → `pdflatex` → `pdflatex`
2. Cek bibliography muncul dengan benar
3. Cek tidak ada citation undefined

6 Template Penambahan Sitasi

6.1 Di Literature Review

```
\subsection{Workflow Automation}
Modern workflow automation platforms enable seamless
integration between disparate systems. Tools like
n8n~\cite{n8n2024} provide low-code orchestration
capabilities that facilitate the connection between
OCR processing and blockchain recording systems.
```

6.2 Di System Design

```
\subsection{Architectural Pattern}
The system adopts a microservices architecture~
\cite{dragoni2017microservices}, where each component
operates as an independent service. This design enables
scalability and maintainability while allowing different
technologies to coexist harmoniously.
```

6.3 Di Methodology

```
\subsection{System Modeling}
System design is documented using industry-standard
notations including BPMN~\cite{allweyer2016bpmn} for
process modeling and UML~\cite{booch2005unified} for
structural and behavioral diagrams.
```

7 Prioritas Kerja

1. **Week 1:** Tambahkan 4 sitasi CRITICAL (Microservices, BPMN, UML, Docker)
2. **Week 2:** Tambahkan 4 sitasi IMPORTANT (n8n, Kafka, Supply Chain)
3. **Week 3:** Review dan pertimbangkan OPTIONAL citations
4. **Week 4:** Final review dan proofreading

Catatan: Dokumen ini adalah panduan kerja. Update status setiap kali menyelesaikan penambahan sitasi. Simpan versi ini sebagai referensi selama proses penulisan paper.