

SISTEM INFORMASI AKADEMIK POLINEMA

PROJECT PROGRESS REPORT

20/11/2024

PREPARED BY	TITLE	DATE
Pramana Yoga Saputra		20/11/2024
APPROVED BY	TITLE	DATE

1. Executive Summary

The SIAKAD project is a web-based academic information system designed to streamline academic workflows for Politeknik Negeri Malang. Developed using the Laravel framework, the system aims to manage student enrollment, course registration, grade submission, and academic reporting. The project has a duration of 3 months (September 2, 2024 - November 24, 2024) with a budget of Rp 50,000,000. This report highlights the progress, milestones achieved, challenges encountered, and next steps for the project.

2. Project Overview

Project Name	SIAKAD Development Project
Start Date	September 2, 2024
End Date	November 24, 2024
Project Manager	Aditya Putra
Budget	Rp 50,000,000
Current Completion Status	~50% (as of October 15, 2024)

3. Milestones Achieved

Milestone	Description	Planned Completion	Actual Completion
Requirement Gathering	Stakeholders' requirements finalized	September 8, 2024	September 8, 2024
Scope Definition	Scope and features approved	September 15, 2024	September 15, 2024
Project Plan & Schedule	Project plan finalized	September 22, 2024	September 22, 2024
Wireframing & Mockups	UI/UX wireframes completed	October 6, 2024	October 6, 2024
UI/UX Design Finalization	Approved UI/UX prototypes	October 13, 2024	October 13, 2024

4. Current Progress

4.1 Completed Tasks:

- Requirement gathering, scope definition, and project scheduling completed.
- UI/UX wireframing and final designs approved.

4.2 Ongoing Activities:

- Frontend Development:
 - Base layouts and components are being implemented.
 - Estimated completion: October 27, 2024.
- Backend Development:

- Database setup and API development are in progress.
- Estimated completion: November 3, 2024.

4.3 Upcoming Tasks:

- Responsive testing for frontend (November 11, 2024 - November 17, 2024).
- Integration of frontend and backend components (November 11, 2024 - November 17, 2024).
- User Acceptance Testing (UAT) and final deployment.

5. Challenges Encountered

- **Delays in Resource Availability:** Limited availability of the Academic Administrator delayed some aspects of scope validation.
- **Technical Complexity:** Initial setup of Laravel authentication and database integration required additional time for debugging.
- **Time Management:** Balancing frontend and backend parallel workflows has required additional coordination efforts.

Mitigation Measures:

- Weekly check-ins have been introduced to align team efforts.
- Backup support from senior developers has been allocated for critical tasks.

6. Budget Utilization

Cost Component	Planned Budget (Rp)	Actual Expenditure (Rp)	Comments
UI/UX Design	4,000,000	4,000,000	Completed within budget.
Frontend Development	15,000,000	5,000,000	Ongoing (1 month completed).
Backend Development	15,000,000	5,000,000	Ongoing (1 month completed).
Hosting and Domain	575,000	575,000	Purchased for 3 months.
QA Testing	2,000,000	0	Scheduled for November 2024.
Total	36,575,000	14,575,000	Remaining budget allocated.

7. Risk Assessment

Risk	Likelihood	Impact	Mitigation Strategy
Delays in Development	Medium	High	Weekly reviews to monitor progress and adjust plans.
Technical Integration Issues	Medium	High	Schedule dedicated integration testing phase.
Stakeholder Availability	Medium	Medium	Schedule flexible meetings and gather inputs early.

8. Next Steps

1. Complete frontend and backend development by November 10, 2024.
2. Perform integration testing and responsive testing between November 11-17, 2024.
3. Conduct User Acceptance Testing (UAT) with stakeholders from November 18-24, 2024.
4. Final deployment and user training scheduled for November 24, 2024.

9. Conclusion

The SIAKAD project is progressing on schedule, with initial phases completed successfully. Despite minor challenges, mitigation strategies have been implemented, and the project remains within budget. The team is confident about achieving final deliverables by November 24, 2024.