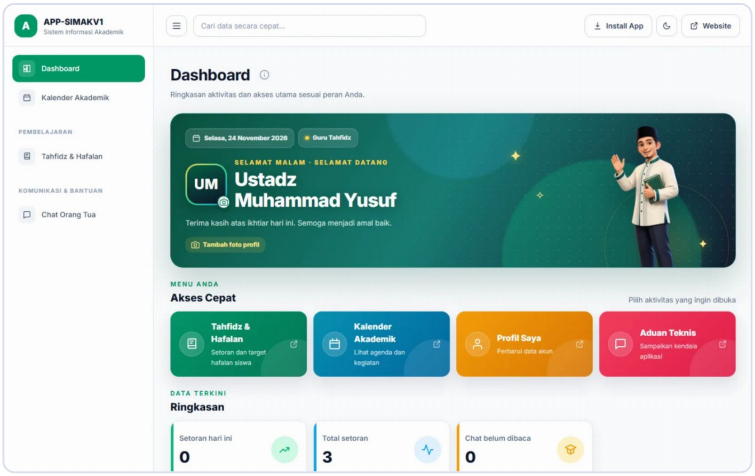
WEBSITE & APP · 2026

Academic & Tahfidz Information System for an Islamic Boarding School

An academic information system for an Islamic boarding school that brings Qur'an memorisation records, the academic calendar, parent chat and the school's website into one installable web app.



CLIENT
Confidential client

INDUSTRY
Education

LOCATION
Indonesia

SERVICE
Website & App

YEAR
2026

TOOLS & TECHNOLOGY
Laravel 12, Livewire 3, Tailwind CSS 4, Alpine.js, PWA

Challenge

The manager of a pesantren-based school kept memorisation records, academic schedules and parent communication in separate places: notebooks, spreadsheets and chat groups. Parents found it hard to follow their child's memorisation progress, and important information easily got lost.

The client needed one system that keeps student data secure, is easy for teachers to use straight from their phones, and can grow in stages without being rebuilt.

Goals

- Keep memorisation records and targets tidy for every student
- Let parents follow their child's progress and message teachers
- Make the academic calendar the single source of school events
- Check every role's access on the server, not just in the interface

Process

- **Analysis**: mapping seven user roles and the flow of student data
- **Design**: role-based dashboards, designed for phones first
- **Development**: Laravel 12, Livewire 3 and Tailwind CSS 4
- **Focus**: features rolled out in stages with feature switches; other modules archived without deleting data
- **Launch**: an installable PWA with a public landing page

Solution

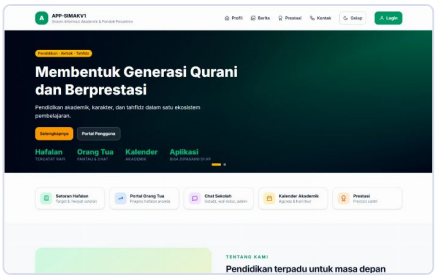
SIMAK has seven roles: super admin, school admin, subject teacher, tahfidz teacher, homeroom teacher, student and parent. Each gets a dashboard and menu that match their permissions. Tahfidz teachers record each recitation (surah, verses, score, notes) and track every student's semester target, while parents sign in with their WhatsApp number and a PIN to see their child's history and message the homeroom or tahfidz teacher.

The academic calendar shows Hijri dates and Javanese market days, holidays and class-specific events, and can be printed. The public landing page presents the school profile, news, achievements and contact details. Further modules, such as assessment, QR attendance, online report cards and finance, are already built and can be switched on when the school is ready.

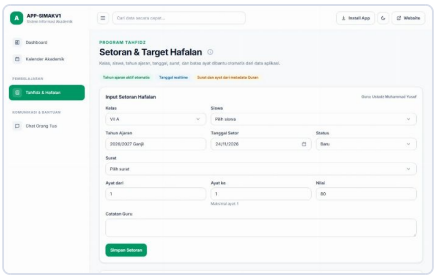
Key features: Memorisation records & targets per student (surah, verses, score) · Parent portal: WhatsApp + PIN login and the child's memorisation history · Parent chat with homeroom and tahfidz teachers · Academic calendar with Hijri dates & market days, printable · School landing page: profile, news, achievements, contact · Seven user roles with access checked on the server

Performance: PWA: dapat dipasang di ponsel seperti aplikasi

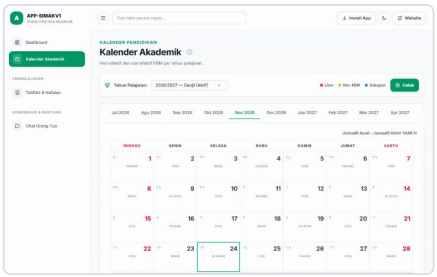
Gallery



School landing page: profile, news, achievements and contact



Memorisation records & targets: surah, verses, score and teacher notes



Academic calendar with Hijri dates and Javanese market days

Results & impact

7	**4**	**7**
user roles with their own menus	core features live at launch	extra modules ready to switch on
Lingkup aplikasi, Okt 2026	Lingkup aplikasi, Okt 2026	Lingkup aplikasi, Okt 2026

Have a similar challenge?

Scan to read the full case study: https://famedia.co.id/etalase-project/sistem-informasi-akademik-dan-tahfidz-pesantren?lang=en

Start a Similar Project: https://famedia.co.id/pengajuan/project

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