PEMBINA CODEBASE REALITY AUDIT

Audit Date: 2025-12-16
Audit Type: READ-ONLY REALITY CHECK
Auditor: Claude Opus 4.5 (Antigravity IDE)

SECTION 1 — PEMBINA FEATURE REALITY CHECK

#	Feature	Status
1	`/pembina/ekstrakurikuler`	**NOT STARTED**
2	`/pembina/ekstrakurikuler/[id]`	**NOT STARTED**
3	Schedule template management	**NOT STARTED**
4	Session generation & listing	**NOT STARTED**
5	Attendance input (per session)	**PARTIAL**
6	Announcement CRUD	**NOT STARTED**
7	Enrollment approval / rejection	**NOT STARTED**

Overall PEMBINA status: IMPLEMENTATION

SECTION 2 — GLOBAL NAVIGATION CONTRACT ENFORCEMENT

2.1 Are all PEMBINA links compliant with the Global Navigation Contract?

NO

Violating file paths:

- layout.tsx
  - Line 36: `/pembina/my-ekskul` → Should be `/pembina/ekstrakurikuler`
  - Line 41: `/pembina/members` → NOT in contract (should be under `/pembina/ekstrakurikuler/[id]`)
  - Line 51: `/pembina/schedule` → Should be `/pembina/ekstrakurikuler/[id]/schedules`
  - Line 56: `/pembina/reports` → NOT in contract
- TopNavbar.tsx
  - Line 151: `/pembina/profile` → NOT in contract
- Sidebar.tsx
  - Line 259: `/pembina/profile` → NOT in contract

2.2 Do any temporary or legacy routes exist that violate the contract?

YES

Violating routes (defined in layout but pages DO NOT EXIST):

- `/pembina/my-ekskul` (no page exists)
- `/pembina/members` (no page exists)

- `/pembina/schedule` (no page exists)
- `/pembina/reports` (no page exists)
- `/pembina/profile` (no page exists)

2.3 Has any PEMBINA page reused a /student/* route or component?

NO

SECTION 3 — DATA AUTHORITY (AS IMPLEMENTED)

Sessions:

Treatment	Implemented?
Treated as GENERATED RECORDS ONLY	**YES** — Sessions exist in schema and are queried, but there is NO generation UI/API for PEMBINA
Treated as EDITABLE ENTITIES BY PEMBINA	**NO** — No session edit/create API exists for PEMBINA

PEMBINA permissions:

Permission	Answer
Can edit past sessions?	**NO** — No edit API exists
Can delete sessions that already have attendance?	**NO** — No delete API exists

Enrollment approval:

Mode	Implemented?
AUTOMATIC ON JOIN	**NO**
GATED BY PEMBINA ACTION	**DESIGN INTENT BUT NOT IMPLEMENTED**

Evidence:

- [enrollment/route.ts](#) Line 312: `status: 'PENDING'`
- NO API endpoint exists for PEMBINA to approve/reject enrollments
- Dashboard shows mock "Pendaftaran Baru" UI with Approve/Reject buttons, but buttons are non-functional (no server action wired)

SECTION 4 — UI MATURITY LEVEL

A — Placeholder UI, logic-first

Justification:

- Dashboard page uses entirely hardcoded mock data
- Attendance page has functional API integration but uses legacy Schedule-based date picker (not Session-based)
- No `/pembina/ekstrakurikuler` page exists (foundational PEMBINA management hub)

- Approval UI buttons exist but are not functional

APPENDIX A — EXISTING PEMBINA FILE INVENTORY

Dashboard Pages (2 total)

Route	File	Status
/pembina/dashboard	page.tsx	MOCK DATA
/pembina/attendance	page.tsx	FUNCTIONAL

Missing Pages (per Global Navigation Contract)

Route	Status
/pembina/ekstrakurikuler	NOT STARTED
/pembina/ekstrakurikuler/[id]	NOT STARTED
/pembina/ekstrakurikuler/[id]/schedules	NOT STARTED
/pembina/ekstrakurikuler/[id]/sessions	NOT STARTED
/pembina/ekstrakurikuler/[id]/attendance	NOT STARTED
/pembina/ekstrakurikuler/[id]/announcements	NOT STARTED

API Routes (PEMBINA-specific)

Route	File	Methods
/api/pembina/extracurriculars	route.ts	GET
/api/pembina/extracurriculars/[id]/students	route.ts	GET

Supporting API Routes (used by Attendance)

Route	File	Methods
/api/attendance	route.ts	GET
/api/attendance/batch	route.ts	POST

APPENDIX B — PRISMA SCHEMA ENTITIES (PEMBINA-RELEVANT)

Enums

```
enum EnrollmentStatus {
  PENDING
  ACTIVE
  REJECTED
```

```
    ALUMNI
    CANCELLED
}

enum AttendanceStatus {
    PRESENT
    SICK
    PERMISSION
    ALPHA
    LATE
}
```

Models

Model	PEMBINA Role
`PembinaProfile`	Owner
`Extracurricular`	Managed by PEMBINA via `pembina_id`
`Schedule`	Template (recurring)
`Session`	Concrete meeting dates
`Enrollment`	Student joins with PENDING, needs PEMBINA approval
`Attendance`	Linked to Enrollment and optionally Session
`Announcement`	Created by PEMBINA (author_id)

APPENDIX C — NAVIGATION LAYOUT DEFINITION

Current navigation items in layout.tsx:

```
const pembinaMenuItems: NavItem[] = [
  { label: "Dashboard", href: "/pembina/dashboard", icon: LayoutDashboard },
  { label: "Ekstrakurikuler Saya", href: "/pembina/my-ekskul", icon: BookOpen },
  { label: "Daftar Anggota", href: "/pembina/members", icon: Users },
  { label: "Input Absensi", href: "/pembina/attendance", icon: ClipboardCheck },
  { label: "Kelola Jadwal", href: "/pembina/schedule", icon: Calendar },
  { label: "Laporan", href: "/pembina/reports", icon: BarChart3 },
];
```

Contract-Compliant Navigation (RECOMMENDED)

```
const pembinaMenuItems: NavItem[] = [
  { label: "Dashboard", href: "/pembina/dashboard", icon: LayoutDashboard },
  {
    label: "Ekstrakurikuler Saya",
    href: "/pembina/ekstrakurikuler",
    icon: BookOpen,
```

```
    },
    // All other features should be accessed through /pembina/ekstrakurikuler/[id]/*
];
```

APPENDIX D — UI SCREENSHOTS (VISUAL EVIDENCE)

D.1 PEMBINA Dashboard (`/pembina/dashboard`)

**Status:** MOCK DATA — All statistics and lists are hardcoded, not fetched from database.
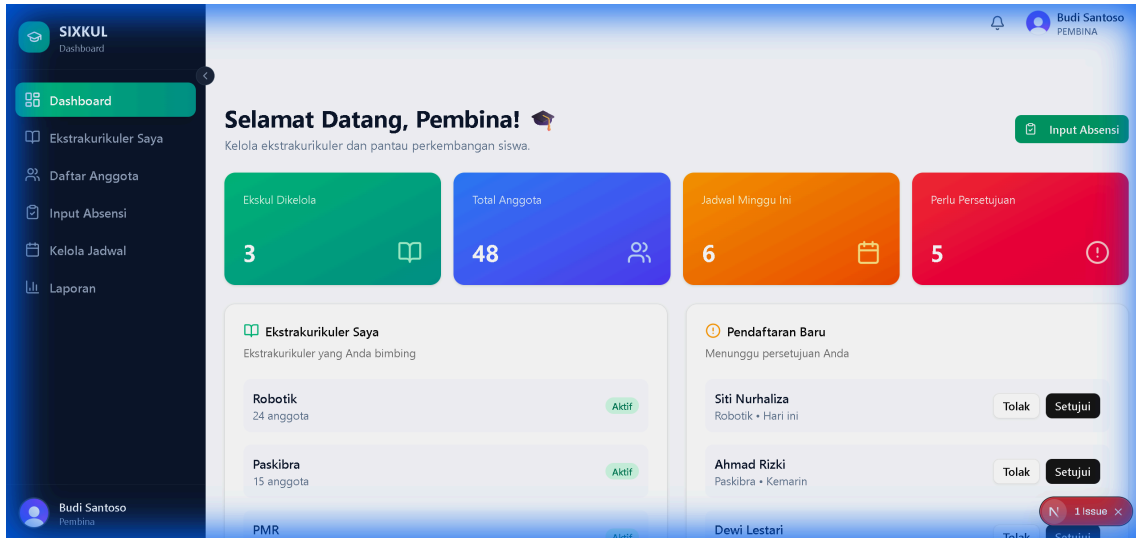
Observations:

- Stats cards show hardcoded values (3 ekskul, 48 anggota, 6 jadwal, 5 persetujuan)
- "Ekstrakurikuler Saya" section lists: Robotik (24), Paskibra (15), PMR (9) — all mock data
- "Pendaftaran Baru" shows 3 mock entries with non-functional Approve/Reject buttons
- "Jadwal Hari Ini" shows mock schedule items

D.2 PEMBINA Attendance Page (`/pembina/attendance`)

Status: FUNCTIONAL — Uses real API integration with `/api/pembina/extracurriculars` and `/api/attendance/batch` .
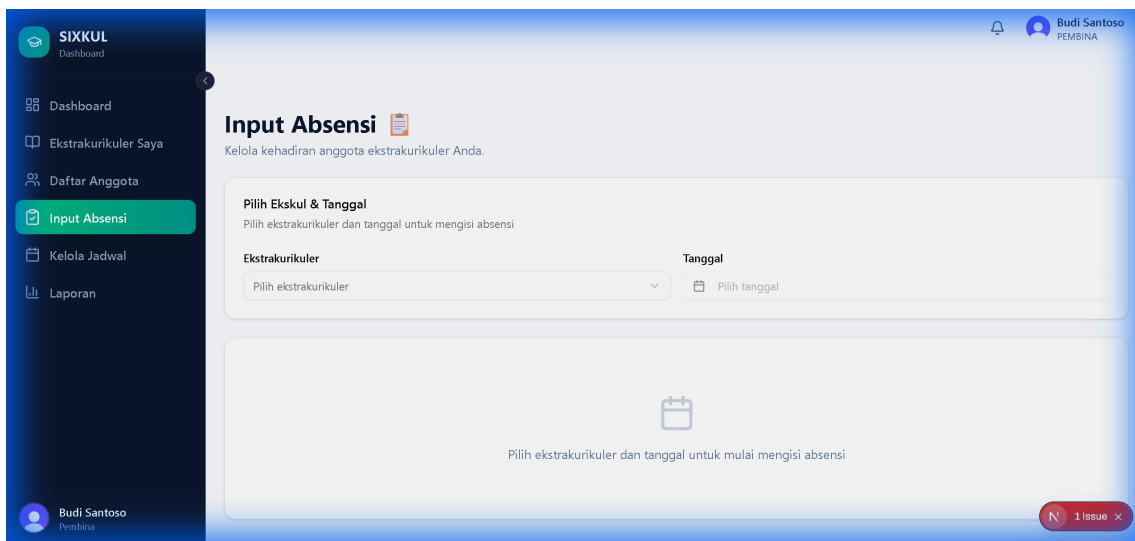
Observations:

- Extracurricular dropdown fetches real data from API
- Date picker uses Schedule-based validation (not Session-based)
- Student list fetches ACTIVE enrollments from database
- Batch save functionality works via `/api/attendance/batch`

D.3 Missing Routes — 404 Pages

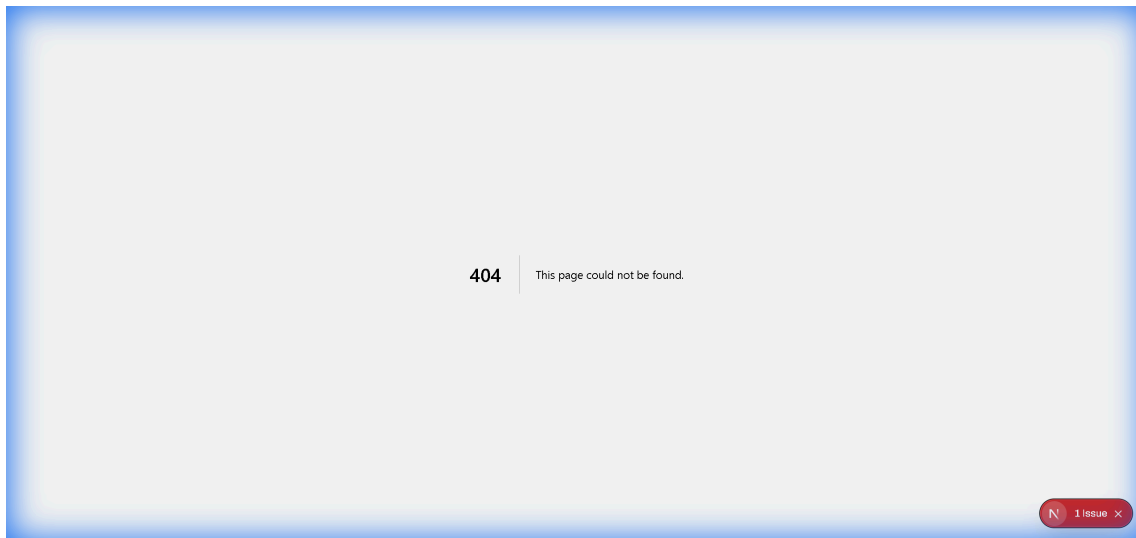The following routes are defined in the PEMBINA layout navigation but have no corresponding page implementations:

D.3.1 `/pembina/my-ekskul` → 404 NOT FOUND

Should be: `/pembina/ekstrakurikuler`
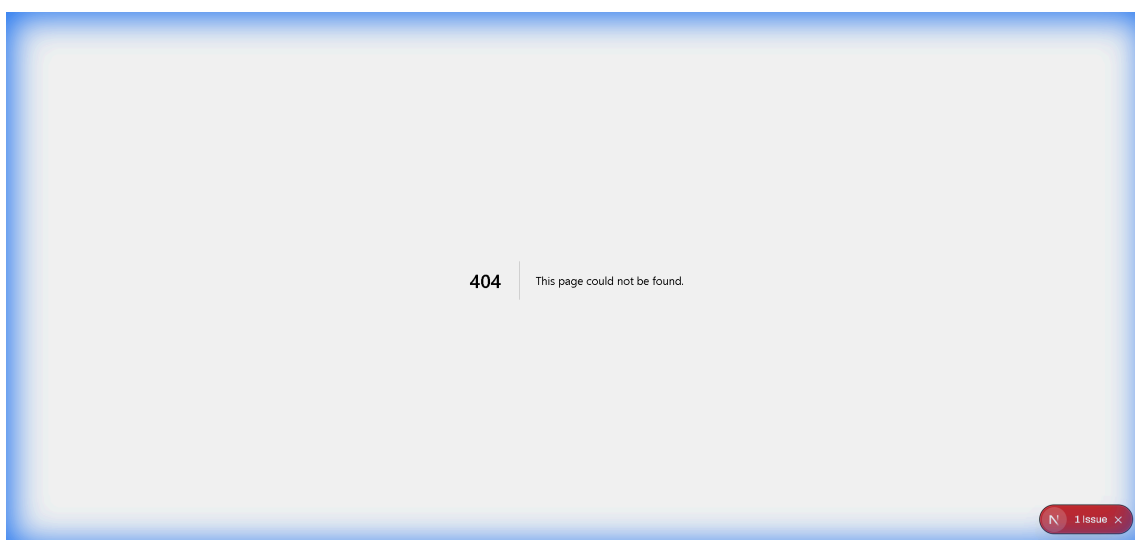
D.3.2 `/pembina/members` → 404 NOT FOUND

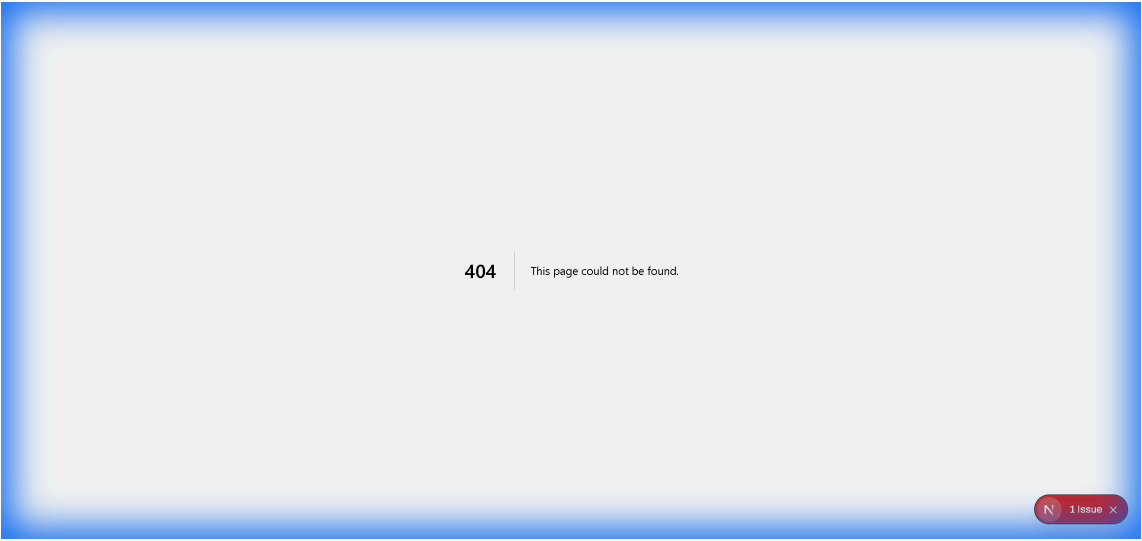Should be: `/pembina/ekstrakurikuler/[id]` sub-page

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D.3.3 `/pembina/schedule` → 404 NOT FOUND

Should be: `/pembina/ekstrakurikuler/[id]/schedules`

D.3.4 `/pembina/reports` → 404 NOT FOUND

NOT in Global Navigation Contract

D.4 Missing Routes Summary

Route	Expected (per Contract)	Actual Status
/pembina/my-ekskul	Should be /pembina/ekstrakurikuler	404 NOT FOUND
/pembina/members	Should be /pembina/ekstrakurikuler/[id] sub-page	404 NOT FOUND
/pembina/schedule	Should be /pembina/ekstrakurikuler/[id]/schedules	404 NOT FOUND
/pembina/reports	NOT in Global Navigation Contract	404 NOT FOUND

END OF AUDIT