

XERPIUM

Sawit Mobile

Enterprise Resource Planning

Complete integrated ERP solution for
sawit mobile industry

2000+

MODULES

AI

ASSISTANT

SaaS

/ ON
PREMISE

English Edition — brosur.xerpium.com

No Signal in the Block — Data Still Has to Be Right

Foremen and clerks spend the whole day in the blocks without coverage. Paper records are slow to consolidate, error-prone, allow duplicate tickets and are hard to verify. XERPIUM SAWIT MOBILE moves recording to an Android phone that keeps working fully in airplane mode.

Built to Be Used Under the Sun

Real screenshots from an Android phone: large buttons, clear type, high contrast and an unsent-data indicator on every screen. The interface is in Bahasa Indonesia.

One App, Menus by Role

Roles come from the server at login, so every user only sees their own work menus.

☐ Attendance & Assignment

Bulk check-in — one group photo for the whole crew

Status — present, late (reason required), sick, leave, absent, check-out

One crew per day — a worker cannot check in to two crews

Location check — check-ins outside the division polygon are flagged

Assignment — from the daily work plan or unplanned (reason required)

NFC card — tap a worker card for fast check-in

FFB Harvest Ticket

≤ 3 taps — pick collection point, harvester, bunch count, save

Offline ticket number — unique per phone: DIV-yyMMdd-PHONE-seq

Automatic late entry — a second ticket for the same point, harvester and day is flagged

Weight estimate — bunches × block average bunch weight, shown live

Premium estimate — from the activity rate, minus unripe and long-stalk penalties

Ticket QR — scanned by the transport clerk, printable

Transport & Delivery Notes

Scan ticket QR — from other foremen's phones, no signal needed

Delivery note (SPB) — vehicle, driver, own/partner mill, at least 2 load photos

Relay transport — a follow-up SPB carries tickets from its parent SPB

One ticket, one SPB — tickets already on another SPB are rejected

Potential leftovers — untransported tickets are flagged in the afternoon

Printing — 58 mm Bluetooth thermal printer, including QR

Upkeep & Materials

Upkeep work — spraying, fertilizing, pruning: man-days, area (ha) or tree count

Live dose check — dose/ha × area × tolerance

Over-dose — note required, goes straight to the assistant's approval queue

Wage estimate — per ha, per tree or daily

Work photo — from the in-app camera

☐ Assistant Approval

Works offline — queue pulled at sync, reviewed in the field

Risky items — fake GPS, rooted phone, outside division, over-dose, late entry, uncalibrated time

Decisions — approve, request correction or reject (note required)

☐ Daily Report

Automatic summary — attendance, assignments, harvest, upkeep per crew

On-screen signature — foreman/assistant, stored as evidence

Re-submission — recorded as a correction, never overwritten

Field Data You Can Trust

The principle: data is always saved, but every anomaly is flagged and queued for the assistant — no work stops because of missing signal.

Trusted Time

Server time at last sync + the phone's internal clock

Changing the phone clock does not affect transaction time

Reboot before sync → transactions are flagged

Location & Fake GPS

Coordinates & accuracy on every transaction

Mock location detection

Inside/outside division polygon check

In-App Camera Only

No gallery access

Compressed $\leq$ 300 KB, SHA-256 fingerprint

Photo hash, time & location cannot be changed

Device Integrity

Root, emulator and hooking detection

Warning banner on every screen

Transactions flagged for the assistant

Append-Only

Sent transactions cannot be edited

Correction = a new transaction referencing the original

Enforced by the database itself

Secure Access

First login online, then PIN

Auto-lock & wrong-PIN limit

Encrypted local database (SQLCipher)

☐ Safe Sync

Idempotent — resending never duplicates data

Resilient — an interrupted connection resumes safely

Ordered — attendance first, then harvest, delivery notes and so on

Automatic — when Wi-Fi connects and in the background

☐ Always Visible

"X items not sent" is shown on every screen

Per-transaction status — queued, sent, accepted, rejected, posted

Rejected list with reasons, ready for correction

Connected to XERPIUM SAWIT

All field data is sent to the XERPIUM SAWIT ERP (built on Odoo 18) through a secure REST API.

Device

Android 8.0 or newer

Camera for evidence photos & QR scanning

GPS (works without cellular signal)

Optional: NFC for worker cards

Optional: 58 mm Bluetooth thermal printer (ESC/POS)

Technology

Encrypted local SQLite database (SQLCipher)

REST API sync with secure tokens

Field-ready UI: large buttons (≥ 56 dp), 18 sp text, high contrast

Interface in Bahasa Indonesia

Gallery & Demo Videos

05.17

80%

Xerpium Sawit

SR

Slamet Riyadi

Mandor panen

Sedang sinkron... · 21 data belum terkirim

MENU KERJA

Absensi

>

Penugasan

>

Panen

>

Laporan harian

>

Sinkron

21

>

LAINNYA

Akun & perangkat

>

05.17

80%

Absensi

Senin, 19 Oktober

Sedang sinkron... · 21 data belum terkirim

KEMANDORAN

Panen AFD01-1

Panen AFD01-2

15

0

2

0

Hadir

Belum absen

Tidak hadir

Pulang

Absen masuk semua (0)

Absen pulang (15)

PEKERJA (17)

AS

Agus Sinaga

140100001123...

Hadir

>

DS

Dewi Sire...

14010000...

Terlambat

>

EH

Eko Hidayat

140100001085...

Hadir

>

9 / 12

05.17 80%

< **Penugasan baru**

Sedang sinkron... · 21 data belum terkirim >

KEMANDORAN

Panen AFD01-1 **Panen AFD01-2**

RENCANA KERJA

Panen TBS · Blok A05 >
Target 10.47 ha · 1256 janjang

Di luar rencana >

PEKERJA HADIR (15/15)

Pilih semua >

Agus Sinaga >
1401000011235364 · SKU

Dewi Siregar >
1401000010380112 · BHL

Eko Hidayat >
1401000010855252 · BORONGAN

05.17 80%

< **Tiket baru**

Sedang sinkron... · 21 data belum terkirim >

Panen AFD01-1 **Panen AFD01-2**

BLOK · BJR 26 KG

A01 **A02** **A03** **A04**

TPH

A05-T1 **A05-T2**

A05-T3

PEMANEN (SUDAH ABSEN HADIR)

Agus Sinaga **Dewi Siregar**

Eko Hidayat **Kurnia Santoso**

Lukman Wibowo **Oki Purba**

05.17

80%

<

Tiket baru

● 21 data belum terkirim >

Rahmat Hidayat

Rahmat Setiawan

Rina Gultom

Slamet Hasibuan

Teguh Saputra

Tuti Setiawan

Yusuf Nasution

Zainal Hidayat

Janjang matang

−

0

+

🔗 Rincian lain (mentah, busuk, brondolan...)

▼

05.18

80%

<

SPB baru

● 21 data belum terkirim >

KENDARAAN

BM 8101 CS

BM 8138 CS

BM 8175 AK

BM 8212 DR

BM 8249 CS

BM 8286 CS

BM 8323 BU

BM 8360 DR

Nama sopir

Tujuan

PKS sendiri

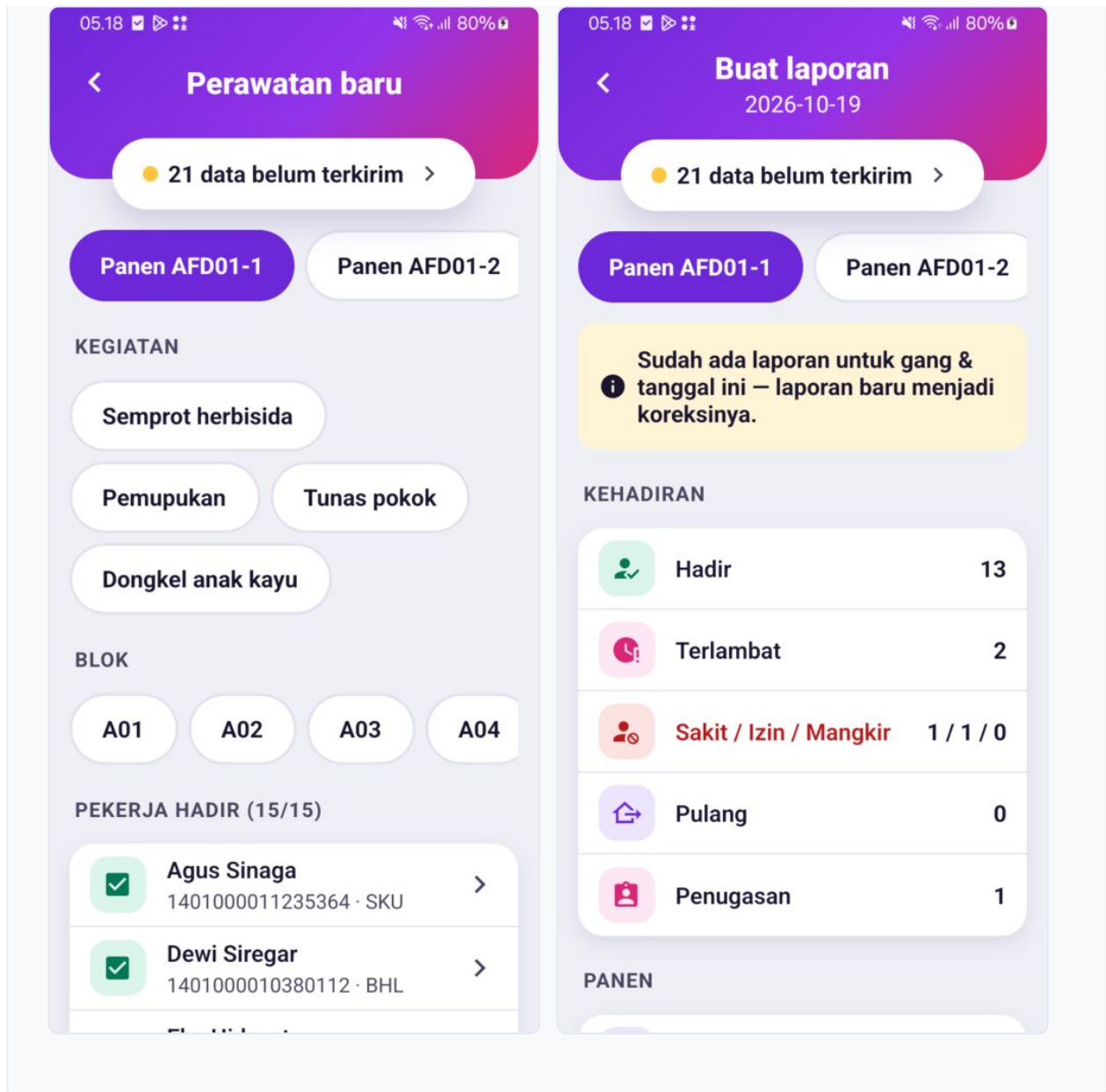
PKS mitra

TIKET PANEN (0)

📷

Pindeai QR tiket

11 / 12



Xerpium ERP — xerpium.com

Contact us for a free demo

WhatsApp: +62 818-0918-2752 | @xerpium_id

Generated 2026-10-27