

XERPIMUM

Sawit

Enterprise Resource Planning

Complete integrated ERP solution for
sawit industry

2000+

MODULES

AI

ASSISTANT

SaaS

/ ON
PREMISE

English Edition — brosur.xerpium.com

Palm Oil Ecosystem

XERPIUM SAWIT is an integrated solution for the palm oil industry — from plantation management (land block, harvest), mill (CPO, kernel, FFB processing), quality control, to palm-oil-specific chart of accounts, reporting, and KPI dashboards.

▣ Land Block & Afdeling

Block Management — Plantation division into planting blocks

Land Area — Land area (Ha), planting status, planting year

Afdeling — Block grouping per division (afdeling)

Maturity — Immature (TBM) / mature (TM) plants

Variety — Seedling variety (DxP, etc.) per block

Density — Tree population density per Ha

History — Fertilization, maintenance, harvest history per block

▣ FFB Harvest & Production

Harvest Schedule — Harvest rotation per block (7/10/14 days)

FFB Collection — FFB (Fresh Fruit Bunch) recording per block

Weight — FFB weight per bunch, per employee, per block

Quality Grade — Fruit grade: unripe, ripe, overripe

Transport — FFB transport to the mill (trolleys, trucks)

Production Estimate — Monthly/block production estimate

Cost per Kg — Harvest and transport cost per kg of FFB

☐ CPO Mill Management

TBS Reception — FFB receiving at the mill, weighbridge

Grade Check — Quality control TBS (sortasi, grading)

Processing — Sterilizer, thresher, press, clarifier, kernel plant

CPO Output — Crude Palm Oil (CPO) production

Kernel Output — Kernel / PK (Palm Kernel) production

OER — Oil Extraction Rate % ($\text{CPO/TBS} \times 100$)

KER — Kernel Extraction Rate %

Losses — Production loss tracking per stage

☐ Quality Control & Lab

FFB Quality — FFB grade sorting before processing

CPO Quality — FFA, moisture, dirt, DOBI, IV

Kernel Quality — Moisture, impurities, broken

Water Quality — Process water quality testing

Lab Result — Lab test result certificate

Certificate — ISPO, RSPO, traceability

Spec Limits — Quality specification limit per parameter

XERPIUM SAWIT MOBILE

Offline Android app for foremen, clerks and division assistants — attendance, harvest tickets, delivery notes, upkeep and approvals right in the block without signal, synced automatically to XERPIUM SAWIT.

Works Without Signal

Encrypted on-device database

Automatic sync over office Wi-Fi

"X items not sent" always visible

Harvest & Delivery Notes

Harvest ticket in ≤ 3 taps + QR

Automatic late entry, kg & premium estimate

Delivery notes from QR scan, Bluetooth printing

Anti-Fraud

Trusted time & fake GPS detection

Photos from the in-app camera only

Risky items go to the assistant for approval

📄 Palm Oil Chart of Accounts

Template COA — Chart of accounts specific to the palm oil industry (SAW prefix)

6 Digit Code — 6-digit account code with saw_ prefix

Asset — saw_120100 Receivables, saw_110100 Cash/Bank, saw_110900 Transfer

Liability — saw_210100 Payables, accruals, taxes payable

Revenue — saw_410100 Revenue, saw_410200 sales discount

COGS — saw_510100 Cost of Goods, by products & processes

Taxes — tax_sale_11 (PPN 11%), tax_purchase_11

Complete Mapping — AR/AP, expense, income, cash diff, forex, etc.

Financial Report Structure

vit.report_structure — Palm-oil-specific report structure

Account Groups — Account group structure for palm oil financial reports

Auto-Sync — `_sync_sawit_report_account_groups()` when chart template is loaded

XML Data — Report structure from `vit_report_structure_sawit.xml`

Prefix Mapping — Map report to account code prefix (`code_prefix_start`)

Post-load Hook — Auto-sync `account.group` after template applied

Compatible — Works with `vit_turbo_report_inherit` for reporting

Palm Oil KPI Dashboard

Production Overview — CPO production, Kernel, TBS processed

OER & KER — Oil Extraction Rate & Kernel Extraction Rate

Daily Reception — FFB received per day (kg)

Quality Status — FFA, moisture, DOBI trend

Cost Analysis — Production cost per kg of CPO

Sales KPIs — CPO, kernel sales, price trend

Financial KPIs — Profitability, revenue by product

Operational Dashboard

Harvest Progress — Harvest actual vs target per block

Transport — TBS in transit, fleet utilization

Stock Levels — CPO tank stock, kernel storage

Maintenance — Factory downtime, preventive schedule

HR Attendance — Harvest employees, attendance, productivity

Purchase — Fertilizer, chemicals, spare parts procurement

Integration — `vit_dashboard_studio` for custom dashboards

Inventory & Stock

CPO Tank — CPO stock tracking in storage tanks

Kernel Silo — Kernel stock before shipment

Fertilizer — Fertilizer stock in the plantation warehouse

Spare Parts — Factory & heavy equipment spare parts

Chemicals — Water treatment chemical & lab stock

Fuel — Fuel stock for generators, heavy equipment, transport

Accounting & Sales

Sales CPO — Domestic & export CPO sales

Sales Kernel — Kernel (PK) sales

Sales TBS — FFB sales to other mills

Cost Accounting — Cost per Kg TBS, cost per Kg CPO

Margin Analysis — Gross margin per product line

Cash Flow — Palm oil operating cash flow

Tax Reports — PPN 11%, PPh final, PPh 21, PPh 22/23

CEISA, Export & Import

CEISA 4.0 integration for CPO and kernel exports — PEB, Packing List, Certificate of Origin, LC/TT, landed cost.

Export Operations

Export DO — Delivery order export: container, vessel, port loading/discharge, incoterm

PEB — Export Goods Notification: DJBC registration number, CEISA integration

Packing List — Total packages, gross/net weight, volume per product

Certificate of Origin — Form D (ASEAN), Non-ASEAN, preferential tariff

Export Invoice — Commercial invoice export in USD, FOB value, incoterm

Trade & Finance

LC (Letter of Credit) — Sight/usance, import/export, issuance/expiry/shipping date

TT/Remittance — Outgoing/incoming payment, bank reference, status tracking

Landed Cost — FOB + freight + insurance + duty + tax + handling

Forex Tracking — USD/IDR rate, realized vs booking gain/loss

Bank Reconciliation — Auto-match payment ke LC/TT reference

Palm Oil ↔ Accounting

Palm-oil-specific Chart of Accounts (SAW prefix)

Account groups for palm oil financial reports

Journal entries for FFB purchases & CPO sales

Tax mapping 11% VAT & income tax

Palm Oil ↔ Inventory

CPO tank stock tracking via inventory

Fertilizer & chemical stock management

Spare parts & fuel inventory

Stock moves for production & delivery

Palm Oil ↔ Purchase

Purchase requests for fertilizer & chemicals

Blanket order for regular supplier contracts

FFB purchase from plasma smallholders

Principal discount for chemicals

Palm Oil ↔ Dashboard

Prebuilt KPIs: OER, KER, production, reception

Real-time production & quality monitoring

Cost analysis dashboard

Custom dashboards via vit_dashboard_studio

Palm Oil ↔ Manufacturing

Bill of Materials for the CPO production process

Work orders for mill process

By-product tracking (kernel, shell, fiber)

Quality control integrated into MO

Palm Oil ↔ Export

DO → Packing List → PEB → CoO → Invoice

CEISA integration for PEB submission

Container, vessel, port tracking

Palm Oil ↔ Trade

LC sight/usance, TT/remittance

Landed cost calculation

Forex USD/IDR tracking

Palm Oil ↔ HR

Division (Afdeling) & harvest clerks

Daily employee attendance & payroll

Productivity per harvest worker

Timesheet & attendance for factory operators

Gallery & Demo Videos



XERPium Palm Oil Demo

► youtube.com/watch?v=QjIlyf4d750

Xerpium ERP — xerpium.com

Contact us for a free demo

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