

XERPIMUM

# Software House

Enterprise Resource Planning

Solusi ERP lengkap untuk industri  
software house

**2000+**

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PREMISE

Bahasa Indonesia Edition — [brosur.xerpium.com](https://brosur.xerpium.com)

## Ekosistem Software House

XERPIUM SOFTWARE HOUSE adalah solusi manajemen proyek software end-to-end — dari product backlog, sprint planning, phase-based waterfall, team allocation with roles, technology stack management, hingga budget tracking & profitability analysis.

### ▣ Scrum Framework

**Product Backlog** — User stories dengan story points, prioritas, acceptance criteria

**Priority Levels** — Low, Medium, High, Critical

**Story Points** — Estimasi effort per user story

**Sprint Planning** — Sprint dengan capacity planning (story points)

**Sprint Goal** — Tujuan spesifik per sprint

**Task Breakdown** — User story → tasks di project.task

**Velocity Tracking** — Completed points per sprint, auto-computed

**Completion Rate** — % backlog items selesai per sprint

### ▣ Waterfall Methodology

**Project Phases** — Fase berurutan dengan sequence, start/end date, milestone

**Gate Approval** — Gate approval sebelum lanjut ke fase berikutnya

**Predecessor** — Phase dependency dengan predecessor validation

**Phase States** — To Do → In Progress → Review → Done

**Deliverables** — Dokumen deliverable per phase

**Phase Tasks** — Task terkait per phase

**Gate History** — Siapa approve gate & kapan (timestamps)

**Validation** — Otomatis validasi predecessor sebelum start phase

## ▣ Kanban & Hybrid

**Kanban Board** — Visual task management di project.task

**Task Types** — Feature, Bug, Technical Debt, Spike

**Story Points per Task** — Estimasi effort langsung di task level

**Sprint Assignment** — Task bisa dimasukkan ke sprint tertentu

**Backlog Link** — Task terhubung ke user story backlog

**Phase Link** — Task bisa terhubung ke phase (waterfall)

**Flexible** — Methodology bisa dipilih per project

## ▣ Budget & Profitability

**Contract Type** — Fixed Price, Time & Material, Milestone Billing

**Project Budget** — Budget moneter per project

**Cost Tracking** — Actual hours dari timesheet otomatis

**Avg Hourly Rate** — Configurable cost per hour (default Rp 150.000)

**Profitability** — Compute % profitability:  $(\text{budget} - \text{actual cost}) / \text{budget} \times 100$

**Sale Order Link** — Project terhubung dengan sale.order

**Estimated Hours** — Estimasi jam kerja per project

**Currency** — Multi-currency via company currency

## Team Allocation

**Employee Allocation** — Alokasi SDM per project dengan role spesifik

**Roles** — Project Manager, Business Analyst, Developer, QA Engineer, DevOps, UI/UX Designer

**Date Range** — Period alokasi: start date & end date

**Hours/Week** — Jam kerja per minggu per alokasi

**Total Hours** — Computed total hours dari weeks  $\times$  hours\_per\_week

**Validation** — End date > start date, hours 0.1-168 per week

**Notes** — Catatan per alokasi

**HR Integration** — Menggunakan hr.employee yang sudah ada

## Technology Stack

**Tech Catalog** — Daftar teknologi yang digunakan perusahaan

**Categories** — Frontend, Backend, Database, DevOps, Mobile, Other

**Color Tag** — Visual color coding per teknologi

**Project Mapping** — Many2many ke project: teknologi yang digunakan

**Unique Name** — Constraint unique per nama teknologi

**Stack Filter** — Filter project berdasarkan technology stack

**Stack Diversity** — Lihat sebaran teknologi di semua project

**Portfolio View** — Tampilkan stack capabilities ke client

## 📄 User Story & Backlog

**User Story** — Format: As a... I want... So that...

**Acceptance Criteria** — Syarat penerimaan per story

**Story Points** — Estimasi effort (Fibonacci/linear)

**Priority** — Low, Medium, High, Critical

**Status Flow** — Backlog → In Sprint → In Progress → Done

**Tag System** — Multi-tag dari project.tags

**Assigned To** — Developer penanggung jawab

**Auto State** — State berubah otomatis saat sprint dipilih

## 📄 Sprint Management

**Sprint Workflow** — Planning → Active → Closed

**Active Sprint** — Hanya 1 active sprint per project (validated)

**Capacity** — Available story points untuk sprint

**Goal Setting** — Sprint goal untuk fokus tim

**Timeline** — Start date & end date sprint

**Close Wizard** — Sprint close wizard untuk review & retrospective

**Velocity History** — Lihat velocity dari sprint ke sprint

**Task List** — Semua task dalam sprint

## Project ↔ Accounting

Budget tracking via budget field

Timesheet → employee cost → profitability

Sale Order link untuk invoicing

Milestone billing integration

## Project ↔ Timesheet

Actual hours auto-computed from timesheet

account.analytic.line untuk tracking

Unit amount sum per project

Hourly cost calculation

## Project ↔ Sales

Project dari sale.order

Contract type menentukan billing method

Fixed Price → single invoice

Milestone → phased invoicing

## Project ↔ HR

Team allocation dari hr.employee

Role assignment (PM, BA, Dev, QA, DevOps, Designer)

Hourly rate per employee

Capacity planning per role

## Project ↔ Technology

sh.technology master data per category

Many2many tech → project mapping

Stack portfolio view

Filter project by technology

## Project ↔ Reporting

Sprint velocity report

Project profitability report

Phase completion report

Team allocation utilization report

**Xerpium ERP** — [xerpium.com](https://xerpium.com)

Hubungi kami untuk demo gratis

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