

XERPIUM

Rumah Sakit & Farmasi

Enterprise Resource Planning

Solusi ERP lengkap untuk industri rumah sakit & farmasi

2000+

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PREMISE

Bahasa Indonesia Edition — brostur.xerpium.com

Ekosistem Manajemen Rumah Sakit

XERPIUM HOSPITAL adalah solusi hospital management end-to-end — dari registrasi pasien, queue management, poli rawat jalan, rawat inap (ward/ICU), resep dokter, farmasi & dispensing, laboratorium, radiology, billing, BPJS integration, dan integrasi SatuSehat/ Kemkes FHIR.

▣ Pasien & Medical Record

Patient Profile — Extend res.partner: MR number, NIK, BPJS number, insurance

Demographics — Age, gender, blood group, religion, nationality

Medical Info — Allergies, chronic conditions, medical notes

Emergency Contact — Nama, phone, relation darurat

Auto MR No. — Medical record number dari sequence otomatis

Insurance — BPJS number, insurance name & policy number

Lifetime History — Visit count, admission count, bill count

Blood Group — A+, A-, B+, B-, AB+, AB-, O+, O-

▣▣ Dokter & Poliklinik

Doctor Master — Name, SIP, STR, specialization, department

License Tracking — SIP number & expiry, STR number

Consultation Fee — Biaya konsultasi per dokter

Department/Poli — Rawat Jalan, Rawat Inap, UGD, Lab, Radiology, Pharmacy, Surgery, ICU

Head of Dept — Kepala departemen per poli

Visit Count — Jumlah kunjungan per dokter (computed)

Contact & Photo — Phone, email, photo dokter

Active/Inactive — Status praktik dokter

□ Ward & Kamar Rawat Inap

Room Types — VIP, VVIP, Kelas 1, Kelas 2, Kelas 3, ICU, NICU, Isolasi, UGD

Capacity — Jumlah bed per ward

Rate/Night — Tarif menginap per malam

Status — Available, Occupied, Maintenance

Floor & Building — Lokasi ward dalam gedung

Department Link — Ward per departemen

Occupied Count — Jumlah pasien aktif per ward

Notes — Catatan fasilitas ward

□ Master Farmasi & ICD-10

Medicine/Drug — Obat keras/bebas, narkotika, psikotropika, alkes

Generic & Brand — Nama generik (INN) & brand, manufacturer

BPOM Reg — Registration number BPOM

Dosage — Tablet, capsule, syrup, injection, cream, drops

Strength — Kekuatan dosis (e.g., 500mg)

Storage — Kondisi penyimpanan khusus

Controlled Substance — Narkotika/psikotropika tracking

ICD-10 Catalog — Kode diagnosis internasional

Queue Management

Antrian Pasien — Nomor antrian otomatis per tanggal & poli

Priority — Normal, Urgent, Emergency

Status Flow — Waiting → Called → In Progress → Done / Skipped

Call Time — Waktu dipanggil ke poli

Create Visit — Buat kunjungan langsung dari antrian

Payment Type — Umum, BPJS, Asuransi

Daily Number — Auto increment per hari & department

Arrival Time — Waktu kedatangan pasien

Outpatient Visit

Visit Record — Tanggal, dokter, poli, payment type

Vital Signs — Blood pressure, pulse, temperature, RR, SpO2, weight, height, BMI

Anamnesis — Keluhan utama, riwayat penyakit

ICD-10 Diagnosis — Multi diagnosis with primary flag

Main Diagnosis — Diagnosis utama kunjungan

SOAP — Subjective, Objective, Assessment, Plan

Status Flow — Draft → Waiting → In Examination → Done / Cancelled

Referrals — Rujukan spesialis, RS, lab, radiology

▣ Prescription & Resep

Prescription — Resep dokter: obat, dosis, rute, durasi, instruksi

Dosage — 3x1, 2x1, dll dengan instruksi (sebelum/sesudah makan)

Route — Oral, IV, IM, SC, Topikal

Diagnosis Link — Diagnosis terkait resep

Allergy Check — Catatan alergi pasien

Workflow — Draft → Confirmed → Dispensing → Dispensed / Cancelled

Dynamic Stage — Configurable workflow per prescription

Allergy Note — Peringatan alergi pada resep

▣ Lab & Radiology Orders

Lab Order — Pasien, dokter, jenis tes, sample type, status

Sample Types — Blood, Urine, Stool, Sputum, Swab

Lab Workflow — Draft → Ordered → Sample Collected → Processing → Resulted → Verified

Test Results — Result value, normal range, flag (normal/low/high/critical)

Radiology Order — Order pemeriksaan radiologi

Clinical Notes — Catatan klinis untuk dokter

Result Dates — Sample collection & result timestamps

❏ Inpatient Admission

Admission — Dokter jaga, ward, bed number, payment type

Diagnosis — Admission & discharge diagnosis with ICD-10

Status Flow — Draft → Admitted → In Ward → ICU → Discharged / Cancelled

LOS — Length of Stay in days (auto-computed)

Discharge Condition — Recovered, Improved, Referred, AMA, Died

Dynamic Stage — Configurable workflow stages

Expected Discharge — Target tanggal keluar

Anamnesis — Riwayat & treatment summary

❏ Vital Sign Monitoring

Periodic Monitoring — BP systolic/diastolic, pulse, temperature

Respiratory — Respiratory rate, oxygen saturation SpO2

Blood Glucose — Gula darah (mg/dL)

Urine Output — Output urine (cc)

Pain Scale — 0-10 pain scale assessment

Consciousness — Compos Mentis, Apatitis, Somnolen, Sopor, Coma

Nurse Record — Perawat pencatat monitoring

Timestamps — Date/time setiap monitoring

☐ Medical Procedure

Procedure Catalog — Tindakan medis: code, category, price, duration

Categories — General, Surgery, Diagnostic, Therapy, Emergency, Nursing

Procedure Record — Dokter, perawat, date, duration, price

Status — Planned → In Progress → Done / Cancelled

Notes — Pre & post procedure notes

Product Link — Linked product untuk invoicing

Department — Tindakan per departemen

Catalog Auto Fill — Auto-fill price & duration dari catalog

☐ Billing & Invoice

Patient Bill — Tagihan total: subtotal, discount, tax, total, paid, due

Bill Lines — Consultation, Procedure, Medicine, Lab, Radiology, Room, Nursing

Payment Methods — Cash, Transfer, BPJS, Asuransi, Debit/Credit Card

Insurance Coverage — Coverage amount, BPJS, asuransi

Auto Room Charge — Room charge otomatis saat admission discharge

Add Procedures — Tambah biaya tindakan ke bill

Add Medicines — Tambah biaya obat dari dispense

Create Invoice — Generate account.move invoice

❏ Drug Dispensing

Dispense — Pengeluaran obat dari farmasi ke pasien

Pharmacist — Apoteker penanggung jawab

Prescription Link — Dispense berdasarkan resep dokter

Batch/Lot — Track batch number & expiry date

Qty Tracking — Qty prescribed vs qty dispensed

Stock Integration — Otomatis buat stock picking dari farmasi

Status — Draft → Dispensed → Partially Returned → Cancelled

Unit Price — Harga dari product.lst_price

❏ Medicine Catalog

Categories — Obat keras, bebas, bebas terbatas, narkotika, psikotropika, alkes, BHP

Generic Name — Nama generik INN

BPOM Registration — Registrasi BPOM

Dosage Form — Tablet, capsule, syrup, injection, cream, suppository, drops, inhaler, patch

Strength — Kekuatan dosis per unit

Min Stock — Minimum stok alert

Expiry Tracking — Track tanggal kadaluarsa

Therapeutic Class — Golongan terapi

❏ Referral Management

Referral Letter — Surat rujukan: ke spesialis, RS, lab, radiology

BPJS Referral — Rujukan sesuai format BPJS

Diagnosis — Diagnosis & reason for referral

Anamnesis Summary — Ringkasan anamnesis

Treatment Given — Terapi yang sudah diberikan

Status — Draft → Issued → Cancelled

Auto Sequence — Nomor rujukan otomatis

Doctor Info — Dokter pengirim & tujuan rujukan

❏ Discharge Summary

Discharge Condition — Recovered, Improved, Referred, AMA, Died

Discharge Diagnosis — ICD-10 kode & nama diagnosis

Treatment Summary — Ringkasan perawatan selama rawat inap

Procedures — Tindakan medis yang dilakukan

Medications — Obat-obatan yang diberikan

Follow-up Plan — Rencana kontrol lanjutan

Auto LOS — Length of stay otomatis

Ward Release — Ward status otomatis available

BPJS Kesehatan Integration

Eligibility Check — Cek kelayakan peserta BPJS (VClaim/PCare API)

BPJS Referral — Buat rujukan BPJS (faskes asal, tujuan, poli, diagnosis)

BPJS Claim — Klaim rawat jalan, rawat inap, UGD, prosedur, obat, lab

VClaim API — Cek peserta, insert billing, buat rujukan

PCare API — PCare kunjungan & eligibility

SEP Number — Nomor SEP per kunjungan BPJS

Claim Status — Draft → Submitted → Processing → Approved/Rejected → Paid

Config — VClaim & PCare URL, credential, faskes code

SatuSehat / FHIR Integration

FHIR Patient — Sync pasien ke SatuSehat (NIK, MR, demographics)

FHIR Encounter — Encounter per kunjungan/admission (AMB, EMER, IMP, dll)

FHIR Practitioner — Dokter & tenaga medis ke FHIR

FHIR Location — Lokasi ward & poli ke FHIR

FHIR Organization — Organisasi rumah sakit

FHIR Condition — Diagnosis ICD-10 ke FHIR Condition

FHIR Medication — Obat & dispensing ke FHIR

FHIR Observation — Vital sign & lab results

📁 FHIR Resources

Composition — Dokumen klinis terstruktur

Clinical Impression — Assessment klinis

Service Request — Lab & radiology orders

Procedure — Tindakan medis

Allergy Intolerance — Alergi pasien

Medication Request — Resep obat

Medication Dispense — Dispensing obat

OAuth 2.0 — Auto token management with caching

📁 API Management

Sandbox/Prod — Environment switch development & production

OAuth Token — Auto-get & cache access token

Retry Logic — Auto retry 3x untuk error 429/500/502/503

API Log — Log semua request ke SatuSehat

Sync State — Draft/Synced/Error per resource

CRUD FHIR — Create, Read, Update, Delete, Search resources

Error Tracking — Sync error message & timestamp

Config per Company — Multi-company support

Hospital ↔ Accounting

Bill → invoice account.move (out_invoice) otomatis

Insurance coverage vs amount due computation

Payment tracking: paid, partial, unpaid

Revenue per department/poli analysis

Hospital ↔ Inventory

Drug dispensing → stock picking otomatis

Min stock alerts untuk obat & BHP

Batch/lot & expiry date tracking

Pharmacy stock management

Hospital ↔ Purchase

Purchase request untuk obat & farmasi

Reorder rules untuk min stock

Supplier management farmasi/alkes

Blanket order untuk kontrak distributor

Hospital ↔ Dynamic Stage

Visit, Admission, Prescription: configurable stages

Stage-aware actions: create bill, dispense, discharge

RBAC per stage per model

Kanban view per stage

Hospital ↔ Dashboard

KPI rawat jalan & rawat inap

Bed occupancy rate

Revenue per poli/dokter

BPJS claim status overview

Hospital ↔ Reporting

IB-9 & IB-10 laporan morbiditas

Laporan BPJS & SatuSehat

Prescription & dispense report

Revenue & billing report

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Generated 2026-10-27