RMD – Final Firestore Schema (Field by Field) & Sprint Plan

Versi FINAL – Zero Hole – Siap Implementasi

=== PART 1 – STRUKTUR COLLECTION FIRESTORE (FINAL) ===

1. users/{uid}

- uid (string)
- nama (string)
- role (admin|manager|branch_manager|owner|sales_canvas|sales_to|supervisor)
- kodeSales (string | null)
- active (bool)
- createdAt (timestamp)

2. products/{kodeBarang}

- kodeBarang (string)
- namaBarang (string)
- satuan (array: ['dus','pcs','pack'])
- hargaBeli (number)
- hargaJual (number)
- aktif (bool)
- createdAt (timestamp)

3. outlets/{kodeOutlet}

- kodeOutlet (string, AUTO)
- namaToko (string)
- alamat (string)
- phone (string)
- lat (number)
- lng (number)
- levelHarga (A|B|C)
- creditLimit (number)
- statusBlok (bool)
- createdAt (timestamp)

4. sales_routes/{kodeSales}

- kodeSales (string)
- route (array kodeOutlet)

• aktif (bool)

5. rps_daily/{id}

• tanggal (YYYY-MM-DD)
• kodeSales (string)
• outlets (array: {kodeOutlet,namaToko,lat,lng,phone,status})
• generatedAt (timestamp)
• version (number)

6. noo/{id}

• noNoo (string, AUTO)
• kodeSales (string)
• namaToko (string)
• alamat (string)
• phone (string)
• lat (number)
• lng (number)
• fotoTokoUrl (string)
• ktpUrl (string)
• status (PENDING|APPROVED|REJECTED)
• createdAt (timestamp)
• approvedBy (string|null)

7. orders/{orderId}

• orderId (string)
• kodeOutlet (string)
• kodeSales (string)
• roleInput (sales_canvas|sales_to|supervisor)
• type (CANVAS|TO)
• items (array: {kodeBarang,namaBarang,qty,satuan,harga})
• total (number)
• status (WAIT|APPROVED|DELIVERED|FAILED)
• createdAt (timestamp)

8. invoices/{invoiceId}

• noFaktur (string, AUTO)
• orderId (string)
• kodeOutlet (string)
• kodeSales (string)
• total (number)
• jatuhTempo (date)
• status (OPEN|DUE|OVERDUE|LUNAS)
• createdAt (timestamp)

9. piutang/{noFaktur}

- noFaktur (string)
- kodeOutlet (string)
- kodeSales (string)
- total (number)
- sisa (number)
- jatuhTempo (date)
- status (OPEN|DUE|OVERDUE|LUNAS)

10. rrp/{id}

- noRrp (string, AUTO)
- tanggal (YYYY-MM-DD)
- kodeSales (string)
- fakturList (array: {noFaktur,kodeOutlet,sisa})
- totalTagihan (number)
- status (CREATED|SIGNED|REALIZED)
- createdAt (timestamp)

11. setoran/{id}

- noSetoran (string, AUTO)
- kodeSales (string)
- rrpId (string)
- nominal (number)
- metode (CASH|TRANSFER)
- selisih (number)
- createdAt (timestamp)

12. transfer_payments/{id}

- transferId (string)
- kodeOutlet (string)
- kodeSales (string)
- nominal (number)
- buktiUrl (string)
- status (PENDING|VALID|REJECTED)
- createdAt (timestamp)

13. retur/{id}

- noRetur (string, AUTO)
- kodeOutlet (string)
- kodeSales (string)
- items (array: {kodeBarang,qty})
- kategori (JELEK|SALVAGE)

- alasan (string)
- fotoUrl (string)
- createdAt (timestamp)

14. back_check/{id}

- noBackCheck (string, AUTO)
- noFaktur (string)
- kodeSupervisor (string)
- status (DIAKUI|TIDAK)
- catatan (string)
- createdAt (timestamp)

15. pbuc/{id}

- noPbuc (string, AUTO)
- kodeSales (string)
- items (array: {kodeBarang,qty})
- status (CREATED|APPROVED|DONE)
- createdAt (timestamp)

16. loading_sheets/{id}

- noLoadingSheet (string, AUTO)
- tanggal (YYYY-MM-DD)
- items (array: {kodeBarang,totalQty})
- createdAt (timestamp)

17. deliveries/{id}

- noDeliveryNote (string, AUTO)
- driverName (string)
- fakturList (array noFaktur)
- status (ONROUTE|DELIVERED|FAILED)
- createdAt (timestamp)

18. purchase_requests/{id}

- prNo (string, AUTO)
- items (array: {kodeBarang,qty})
- totalItem (number)
- status (DRAFT|SENT|CONFIRMED)
- createdAt (timestamp)

19. promos/{id}

- promoId (string)

- kodeSales (string)
- kodeOutlet (string)
- items (array: {kodeBarang,diskonPersen,diskonNominal})
- startDate (date)
- endDate (date)
- impactEstimation (number)
- status (PENDING|APPROVED_MGR|APPROVED_BM|REJECTED)
- approvedBy (string|null)

20. targets/{periode}

- periode (YYYY-MM)
- omzet (number)
- piutangMax (number)
- coverage (number)
- createdAt (timestamp)

21. kpi_daily/{tanggal}

- tanggal (YYYY-MM-DD)
- omzet (number)
- piutang (number)
- overdue (number)
- coverage (number)
- strikeRate (number)
- returRate (number)
- selisih (number)

22. kpi_monthly/{periode}

- periode (YYYY-MM)
- omzet (number)
- target (number)
- progress (number)
- piutang (number)
- overdue (number)
- coverage (number)

23. counters/{id}

- value (number)

24. logs/* (audit, numbering, offline, promo, pr)

- type
- refId
- action

- by
- timestamp

=== PART 2 – SPRINT PLAN (UNTUK DEVELOPER) ===

=========================== SPRINT 1 – CORE FOUNDATION =========================== 1. Firebase setup (Auth, Firestore, Storage, Functions) 2. Role system + users collection 3. Products & Outlets master 4. NOO flow + auto kodeOutlet 5. Security Rules 6. Auto numbering engine

Deliverable: Login, master data, NOO jalan

=========================== SPRINT 2 – TRANSAKSI INTI =========================== 1. Orders (Canvas & TO) 2. Invoices + Piutang 3. Gate piutang & credit limit 4. RRP generation 5. Setoran & Transfer 6. Retur

Deliverable: Jual, piutang, nagih, setor

=========================== SPRINT 3 – GUDANG & DISTRIBUSI =========================== 1. PBUC 2. Loading Sheet 3. Delivery + Driver flow 4. RPS harian 5. Sync Upload/Download 6. Offline mode + queue

Deliverable: Gudang & lapangan hidup

=========================== SPRINT 4 – MANAGEMENT & OWNER =========================== 1. Promo + approval flow 2. Back Check 3. Laporan PDF + Email 4. Purchase Request ke pabrik 5. KPI Dashboard Owner 6. Closing Harian + Jurnal Koreksi

Deliverable: Sistem enterprise lengkap

=== STATUS: FINAL – SIAP DIJADIKAN ACUAN DEVELOPMENT ===