

Pemetaan Database PortalHC_KPB

Dokumentasi lengkap tentang struktur database website **PortalHC_KPB**.

Informasi Database

Property	Value
Nama Database	HcPortalDB_Dev
Platform	SQL Server (SQLEXPRESS)
Entity Framework	ASP.NET Core Identity + Custom Entities
Total Tabel	9 Tabel

Ringkasan Semua Tabel

No	Nama Tabel SQL	Entity Model (C#)	Modul	Status
1	Users (custom name)	ApplicationUser	Semua	<input checked="" type="checkbox"/> Aktif
2	AspNetRoles	IdentityRole	Semua	<input checked="" type="checkbox"/> Aktif
3	AspNetUserRoles	- (junction table)	Semua	<input checked="" type="checkbox"/> Aktif
4	TrainingRecords	TrainingRecord	CMP	<input checked="" type="checkbox"/> Aktif
5	KkjMatrices	KkjMatrixItem	CMP	<input checked="" type="checkbox"/> Aktif
6	CpdpItems	CpdpItem	CMP	<input checked="" type="checkbox"/> Aktif
7	AssessmentSessions	AssessmentSession	CMP	⚠ DB Ready, View Mock
8	CoachingLogs	CoachingLog	CDP	<input checked="" type="checkbox"/> Aktif
9	IdpItems	IdpItem	CDP	⚠ DB Ready, View Mock

Detail Setiap Tabel

[1] Tabel: **Users** (Identity Users)

File Model: [ApplicationUser.cs](file:///c:/Users/rinoa/Desktop/PortalHC_KPB/Models/ApplicationUser.cs)

Fungsi

Menyimpan data akun pengguna, profil karyawan, jabatan, section/unit, dan role level untuk RBAC.

Catatan: Tabel ini bernama **Users** di database (bukan default **AspNetUsers**) karena konfigurasi custom di **ApplicationDbContext**.

Kolom Utama

Kolom	Tipe Data	Deskripsi
Id	nvarchar(450) PK	GUID unik user
UserName	nvarchar(256)	Username login
Email	nvarchar(256)	Email user
PasswordHash	nvarchar(max)	Hash password
FullName	nvarchar(max)	Nama lengkap karyawan
NIP	nvarchar(max)	Nomor Induk Pegawai
Position	nvarchar(max)	Jabatan (Operator, Panelman, Section Head, dll)
Section	nvarchar(max)	Bagian: RFCC, DHT/HMU, NGP, GAST
Unit	nvarchar(max)	Unit kerja spesifik
Directorate	nvarchar(max)	Direktorat
JoinDate	datetime2	Tanggal bergabung
RoleLevel	int	Level RBAC (1-6): 1=Admin, 2=HC, 3=Dir/VP/Manager, 4=SectionHead/SrSpv, 5=Coach, 6=Coachee

Digunakan di Halaman

Halaman	URL/Route	Penggunaan
Login	/Account/Login	Autentikasi user
CDP Index	/CDP/Index	Menampilkan profil user (Nama, Posisi, Unit)
CDP Progress	/CDP/Progress	Menampilkan progress learning user
CDP Coaching	/CDP/Coaching	Menampilkan log coaching (sebagai Coach atau Coachee)
CMP Records	/CMP/Records	Filter data berdasarkan Section/Unit user
CMP WorkerDetail	/CMP/WorkerDetail/{id}	Menampilkan detail training per worker
BP TalentProfile	/BP/TalentProfile	Menampilkan profil talent user

[2] Tabel: AspNetRoles

Fungsi

Menyimpan daftar role akses sistem (bagian dari ASP.NET Identity).

Kolom Utama

Kolom	Tipe Data	Deskripsi
Id	nvarchar(450) PK	GUID role
Name	nvarchar(256)	Nama role: Admin, HC, Coach, Coachee, SectionHead, SrSupervisor
NormalizedName	nvarchar(256)	Nama role uppercase

Digunakan di Halaman

- **Semua halaman:** Untuk otorisasi role-based access control

[3] Tabel: AspNetUserRoles

Fungsi

Junction table (many-to-many) antara Users dan Roles.

Kolom Utama

Kolom	Tipe Data	Deskripsi
UserId	nvarchar(450) FK	Referensi ke Users.Id
RoleId	nvarchar(450) FK	Referensi ke AspNetRoles.Id

[4] Tabel: TrainingRecords

File Model: [TrainingRecord.cs](file:///c:/Users/rioa/Desktop/PortalHC_KPB/Models/TrainingRecord.cs)

Fungsi

Menyimpan riwayat pelatihan/training karyawan untuk modul **Capability Building**.

Kolom Utama

Kolom	Tipe Data	Deskripsi
Id	int PK	ID auto-increment
UserId	nvarchar(450) FK	Referensi ke Users.Id
Judul	nvarchar(max)	Nama training
Kategori	nvarchar(max)	Kategori: PROTON, OJT, MANDATORY
Tanggal	datetime2	Tanggal training

Kolom	Tipe Data	Deskripsi
Penyelenggara	nvarchar(max)	Internal, Licensor, NSO
Status	nvarchar(max)	Passed, Wait Certificate, Valid, Expiring
SertifikatUrl	nvarchar(max)	URL file sertifikat
ValidUntil	datetime2	Tanggal kadaluarsa sertifikat
CertificateType	nvarchar(max)	Permanent, Annual, 3-Year

Relasi

```

erDiagram
    Users ||--o{ TrainingRecords : "has many"
    TrainingRecords {
        int Id PK
        string UserId FK
        string Judul
        string Kategori
        datetime ValidUntil
    }

```

Digunakan di Halaman

Halaman	URL/Route	Penggunaan
CMP Records	/CMP/Records	List worker & status training (Sudah/Belum), persentase kelengkapan
CMP WorkerDetail	/CMP/WorkerDetail/{id}	Detail histori training satu karyawan
CDP (Coach/Coachee View)	/CMP/Records	Menampilkan training personal

5 Tabel: KkjMatrices

File Model: [KkjModels.cs](file:///c:/Users/rinoa/Desktop/PortalHC_KPB/Models/KkjModels.cs) → Class **KkjMatrixItem**

Fungsi

Master data matriks kompetensi (KKJ) dan target level per jabatan.

Kolom Utama

Kolom	Tipe Data	Deskripsi
Id	int PK	ID auto-increment

Kolom	Tipe Data	Deskripsi
No	int	Nomor urut display
SkillGroup	nvarchar(max)	Grup skill: Generic, Specific
SubSkillGroup	nvarchar(max)	Sub-grup: Technical Operation, HSSE, dll
Indeks	nvarchar(max)	Kode indeks kompetensi
Kompetensi	nvarchar(max)	Nama kompetensi
Target_SectionHead	nvarchar(max)	Target level Section Head (1-5 atau -)
Target_SrSpv_GSH	nvarchar(max)	Target level Sr Supervisor GSH
Target_ShiftSpv_GSH	nvarchar(max)	Target level Shift Supervisor GSH
Target_Panelman_GSH_12_13	nvarchar(max)	Target Panelman GSH grade 12-13
Target_Panelman_GSH_14	nvarchar(max)	Target Panelman GSH grade 14
Target_Operator_GSH_8_11	nvarchar(max)	Target Operator GSH grade 8-11
Target_Operator_GSH_12_13	nvarchar(max)	Target Operator GSH grade 12-13
Target_ShiftSpv_ARU	nvarchar(max)	Target level Shift Supervisor ARU
Target_Panelman_ARU_12_13	nvarchar(max)	Target Panelman ARU grade 12-13
Target_Panelman_ARU_14	nvarchar(max)	Target Panelman ARU grade 14
Target_Operator_ARU_8_11	nvarchar(max)	Target Operator ARU grade 8-11
Target_Operator_ARU_12_13	nvarchar(max)	Target Operator ARU grade 12-13
Target_SrSpv_Facility	nvarchar(max)	Target Sr Supervisor Facility
Target_JrAnalyst	nvarchar(max)	Target Jr Analyst
Target_HSE	nvarchar(max)	Target HSE Officer

Digunakan di Halaman

Halaman	URL/Route	Penggunaan
CMP KKJ	/CMP/Kkj	Menampilkan tabel matriks kompetensi lengkap per jabatan

6 Tabel: CpdpItems

File Model: [KkjModels.cs](file:///c:/Users/rinoa/Desktop/PortalHC_KPB/Models/KkjModels.cs) → Class CpdpItem

Fungsi

Master data katalog pengembangan kompetensi (CPDP) - mapping kompetensi ke indikator perilaku dan silabus.

Kolom Utama

Kolom	Tipe Data	Deskripsi
Id	int PK	ID auto-increment
No	nvarchar(max)	Nomor display (bisa "5.1", "5.2", dll)
NamaKompetensi	nvarchar(max)	Nama kompetensi
IndikatorPerilaku	nvarchar(max)	Indikator perilaku level
DetailIndikator	nvarchar(max)	Detail/deskripsi indikator
Silabus	nvarchar(max)	Silabus training
TargetDeliverable	nvarchar(max)	Target deliverable
Status	nvarchar(max)	Status item

Digunakan di Halaman

Halaman	URL/Route	Penggunaan
CMP Mapping	/CMP/Mapping	Menampilkan katalog pengembangan kompetensi (CPDP)

7 Tabel: AssessmentSessions

File Model: [AssessmentSession.cs]

(file:///c:/Users/rinoa/Desktop/PortalHC_KPB/Models/AssessmentSession.cs)

Fungsi

Menyimpan jadwal dan status assessment karyawan (OJT, OTS, IHT, dll).

⚠ Status: Tabel sudah aktif di database, tapi halaman masih menggunakan **Mock Data** di controller.

Kolom Utama

Kolom	Tipe Data	Deskripsi
Id	int PK	ID auto-increment
UserId	nvarchar(450) FK	Referensi ke Users.Id
Title	nvarchar(max)	Judul assessment
Category	nvarchar(max)	Kategori: Assessment OJ, IHT, Licencor, OTS, Mandatory HSSE Training

Kolom	Tipe Data	Deskripsi
Type	nvarchar(max)	Sama dengan Category
Schedule	datetime2	Jadwal assessment
DurationMinutes	int	Durasi dalam menit
Status	nvarchar(max)	Open, Upcoming, Completed
Progress	int	Progress 0-100
BannerColor	nvarchar(max)	Warna banner (bg-primary, bg-success, dll)
Score	int	Skor assessment (nullable)
IsTokenRequired	bit	Apakah butuh token untuk mengikuti

Digunakan di Halaman

Halaman	URL/Route	Penggunaan	Status Data
CMP Assessment	/CMP/Assessment	Menampilkan dashboard assessment	⚠ Mock Data

8 Tabel: CoachingLogs

File Model: [CoachingLog.cs](file:///c:/Users/rinoa/Desktop/PortalHC_KPB/Models/CoachingLog.cs)

Fungsi

Mencatat sesi coaching/mentoring antara Coach dan Coachee untuk program PROTON.

Kolom Utama

Kolom	Tipe Data	Deskripsi
Id	int PK	ID auto-increment
TrackingItemId	int	Referensi ke item kompetensi (manual)
CoachId	nvarchar(450)	ID Coach (FK logical ke Users)
CoachName	nvarchar(max)	Nama Coach
CoachPosition	nvarchar(max)	Jabatan Coach
CoacheeId	nvarchar(450)	ID Coachee (FK logical ke Users)
CoacheeName	nvarchar(max)	Nama Coachee
SubKompetensi	nvarchar(max)	Sub-kompetensi yang dilatih
Deliverables	nvarchar(max)	Target deliverable
Tanggal	datetime2	Tanggal sesi coaching

Kolom	Tipe Data	Deskripsi
CoacheeCompetencies	nvarchar(max)	Catatan kompetensi coachee
CatatanCoach	nvarchar(max)	Catatan dari coach
Kesimpulan	nvarchar(max)	Mandiri / PerluDikembangkan
Result	nvarchar(max)	NeedImprovement / Suitable / Good / Excellence
Status	nvarchar(max)	Draft, Submitted
CreatedAt	datetime2	Waktu dibuat
UpdatedAt	datetime2	Waktu diupdate

Relasi

```

erDiagram
    Users ||--o{ CoachingLogs : "as Coach"
    Users ||--o{ CoachingLogs : "as Coachee"
    CoachingLogs {
        int Id PK
        string CoachId
        string CoacheeId
        string SubKompetensi
        string Result
    }

```

Digunakan di Halaman

Halaman	URL/Route	Penggunaan
CDP Coaching	/CDP/Coaching	Menampilkan histori coaching log user (sebagai coach maupun coachee)

⑨ Tabel: **IdpItems**

File Model: [IdpItem.cs](file:///c:/Users/rinoa/Desktop/PortalHC_KPB/Models/IdpItem.cs)

Fungsi

Menyimpan item Individual Development Plan (IDP) - rencana pengembangan individual karyawan.

⚠ Status: Tabel sudah aktif di database, tapi halaman CDP/Progress masih menggunakan model **TrackingItem** (Non-DB) dengan data hardcoded.

Kolom Utama

Kolom	Tipe Data	Deskripsi
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Kolom	Tipe Data	Deskripsi
Id	int PK	ID auto-increment
UserId	nvarchar(450) FK	Referensi ke Users.Id
Kompetensi	nvarchar(max)	Nama kompetensi
SubKompetensi	nvarchar(max)	Sub-kompetensi
Deliverable	nvarchar(max)	Target deliverable
Aktivitas	nvarchar(max)	Aktivitas pengembangan
Metode	nvarchar(max)	Metode: Coaching, Internal Training, External Training, dll
DueDate	datetime2	Deadline
Status	nvarchar(max)	Not Started, In Progress, Completed
Evidence	nvarchar(max)	Path file bukti
ApproveSrSpv	nvarchar(max)	Approval Sr Supervisor
ApproveSectionHead	nvarchar(max)	Approval Section Head
ApproveHC	nvarchar(max)	Approval HC

Digunakan di Halaman

Halaman	URL/Route	Penggunaan	Status Data
CDP Progress	/CDP/Progress	Menampilkan progress IDP	⚠️ Planned (saat ini mock)

🔗 Diagram Relasi Database

```

erDiagram
    Users ||--o{ AspNetUserRoles : "has"
    AspNetRoles ||--o{ AspNetUserRoles : "assigned to"

    Users ||--o{ TrainingRecords : "has training"
    Users ||--o{ AssessmentSessions : "has assessment"
    Users ||--o{ IdpItems : "has IDP"
    Users ||--o{ CoachingLogs : "coach/coachee"

    Users {
        string Id PK
        string FullName
        string NIP
        string Position
        string Section
        string Unit
        int RoleLevel
    }

```

```
TrainingRecords {  
    int Id PK  
    string UserId FK  
    string Judul  
    string Kategori  
    string Status  
    datetime ValidUntil  
}  
  
CoachingLogs {  
    int Id PK  
    string CoachId FK  
    string CoacheeId FK  
    string SubKompetensi  
    string Result  
}  
  
AssessmentSessions {  
    int Id PK  
    string UserId FK  
    string Title  
    string Category  
    string Status  
    int Score  
}  
  
IdpItems {  
    int Id PK  
    string UserId FK  
    string Kompetensi  
    string Status  
    string ApproveSrSpv  
}  
  
KkjMatrices {  
    int Id PK  
    string SkillGroup  
    string Kompetensi  
    string Targets  
}  
  
CpdpItems {  
    int Id PK  
    string NamaKompetensi  
    string IndikatorPerilaku  
    string Silabus  
}
```

II Mapping per Modul

Modul CMP (Competency Management Program)

Halaman	Tabel Database	Fungsi
/CMP/Kkj	KkjMatrices	Matriks kompetensi
/CMP/Mapping	CpdItems	Katalog pengembangan
/CMP/Assessment	AssessmentSessions	Jadwal assessment
/CMP/Records	TrainingRecords, Users	Daftar training worker
/CMP/WorkerDetail	TrainingRecords, Users	Detail training worker

Modul CDP (Career Development Program)

Halaman	Tabel Database	Fungsi
/CDP/Index	Users	Dashboard profil user
/CDP/Dashboard	Users	Overview karir
/CDP/Coaching	CoachingLogs	Log coaching/mentoring
/CDP/Progress	IdpItems (planned)	Progress IDP

Modul BP (Business Partner)

Halaman	Tabel Database	Fungsi
/BP/TalentProfile	Users	Profil talent & karir
/BP/PointSystem	- (mock data)	Sistem poin
/BP/EligibilityValidator	- (mock data)	Validasi eligibilitas

Entitas Non-Database (View Models)

Model berikut **TIDAK** memiliki tabel database (data masih hardcoded/dummy):

Model	Lokasi Penggunaan	Deskripsi
TrackingItem	CDPController > Progress	Progress tracking (Safe Work Practice, dll)
CareerHistory	BPCController > TalentProfile	Riwayat karir
PerformanceRecord	BPCController > TalentProfile	Riwayat performa
PointActivity	BPCController > PointSystem	Aktivitas poin
EligibilityCriteria	BPCController > EligibilityValidator	Kriteria eligibilitas

Lokasi File Penting

Kategori	Path
Models	Models/*.cs
Controllers	Controllers/*.cs
Database Context	Data/ApplicationDbContext.cs
SQL Scripts	Database/*.sql
Migrations	Migrations/*.cs
Connection String	appsettings.Development.json