Oke bro, gue bikinin **list tabel skema database** lo sekarang berdasarkan semua update yang udah kita kerjain (gabungan dari BRD, update backend, dan hasil diskusi).

📑 Skema Tabel – Mega Certification

🔑 Authentication & User

1. **roles**

   - id (PK)

   - name (SUPERADMIN / PIC / PEGAWAI)

   - created_at, updated_at

2. **users**

   - id (PK)

   - username (unique)

   - email (unique, nullable)

   - password
   - employee_id (FK → employees.id, nullable)

   - role_id (FK → roles.id)

   - is_active

   - is_first_login

   - last_login

   - created_at, updated_at, deleted_at

👨‍💼 Master Data Employee

3. **employees**

- id (PK)
- nip (unique)
- name
- email
- gender (M/F)
- job_position_id (FK → job_positions.id)
- join_date
- status (ACTIVE / INACTIVE / MUTASI)
- photo_url
- created_at, updated_at, deleted_at

4. **employee_histories**

- id (PK)
- employee_id (FK → employees.id)
- old_job_position_id (nullable, FK → job_positions.id)
- new_job_position_id (FK → job_positions.id)
- effective_date
- action_type (CREATED / UPDATED / MUTASI / IMPORTED / DELETED)
- action_at, action_by
- notes

🏢 Struktur Organisasi

5. **regionals**

- id (PK)

- ○ name (unique)
- ○ created_at, updated_at

6. **divisions**

- ○ id (PK)
- ○ name (unique)
- ○ created_at, updated_at

7. **units**

- ○ id (PK)
- ○ name (unique)
- ○ created_at, updated_at

8. **job_positions**

- ○ id (PK)
- ○ name (unique)
- ○ created_at, updated_at

🎓 Sertifikasi

9. **certifications**

- ○ id (PK)
- ○ code (unique)
- ○ name
- ○ created_at, updated_at, deleted_at

10. **certification_levels**

- ○ id (PK)

- ○ level

- ○ name

- ○ created_at, updated_at, deleted_at

11. **sub_fields**

- ○ id (PK)

- ○ certification_id (FK → certifications.id)

- ○ code

- ○ name

- ○ is_active

- ○ created_at, updated_at, deleted_at

12. **refreshment_types**

- ○ id (PK)

- ○ name

- ○ created_at, updated_at

13. **certification_rules**

- ○ id (PK)

- ○ certification_id (FK → certifications.id)

- ○ certification_level_id (FK → certification_levels.id, nullable)

- ○ sub_field_id (FK → sub_fields.id, nullable)

- ○ validity_months

- ○ reminder_months

- ○ refreshment_type_id (FK → refreshment_types.id, nullable)

- ○ wajib_setelah_masuk (bulan, nullable)

- ○ is_active

- ○ created_at, updated_at, deleted_at

14. **institutions**

- ○ id (PK)

- ○ name

- ○ type (INTERNAL / EXTERNAL)

- ○ address (nullable)

- ○ contact_person (nullable)

- ○ created_at, updated_at, deleted_at

15. **job_certification_mappings**

- ○ id (PK)

- ○ job_position_id (FK → job_positions.id)

- ○ certification_rule_id (FK → certification_rules.id)

- ○ created_at, updated_at, deleted_at

📜 Employee Certification

16. **employee_certifications**

- ○ id (PK)

- ○ employee_id (FK → employees.id)

- ○ certification_rule_id (FK → certification_rules.id)

- ○ institution_id (FK → institutions.id, nullable)

- ○ cert_number

- ○ cert_date

- ○ valid_from, valid_until

- file_url

- status (ACTIVE / DUE / EXPIRED / REVOKED)

- process_type (SERTIFIKASI / REFRESHMENT / TRAINING)

- notes

- created_at, updated_at, deleted_at

17. **employee_certification_histories** (snapshot sertifikat pegawai)

- id (PK)

- employee_certification_id (FK → employee_certifications.id)

- snapshot JSON (nip, nama, jabatan, sertifikasi, jenjang, subbidang, masa berlaku, reminder, dll)

- action_type (CREATED / UPDATED / DELETED)

- action_by, action_at

18. **certification_process_logs**

- id (PK)

- employee_certification_id (FK → employee_certifications.id)

- process_type

- institution_id (FK → institutions.id, nullable)

- process_date

- file_url

- notes

- created_at, updated_at, deleted_at

🎯 Batch Sertifikasi

19. **certification_batches**

- id (PK)

- certification_rule_id (FK → certification_rules.id)

- institution_id (FK → institutions.id, nullable)

- batch_name

- start_date, end_date

- quota

- status (PLANNED / ONGOING / FINISHED / CANCELED)

- notes

- created_at, updated_at, deleted_at

20. **employee_certification_batches**

- id (PK)

- batch_id (FK → certification_batches.id)

- employee_id (FK → employees.id)

- status (REGISTERED / ATTENDED / PASSED / FAILED / CANCELED)

- registration_date

- attended_at

- result_date

- score

- notes

- created_at, updated_at, deleted_at

- UNIQUE (batch_id, employee_id)

⚙️ Exception & Eligibility

21. **pic_certification_scopes**

- id (PK)
- user_id (FK → users.id)
- certification_id (FK → certifications.id)
- sub_field_id (FK → sub_fields.id, nullable)
- created_at, updated_at

22. **employee_certification_exceptions**

- id (PK)
- employee_id (FK → employees.id)
- certification_rule_id (FK → certification_rules.id)
- is_active (boolean)
- notes
- created_at, updated_at, deleted_at

23. **employee_eligibilities**

- id (PK)
- employee_id (FK → employees.id)
- certification_rule_id (FK → certification_rules.id)
- source (MAPPING / EXCEPTION)
- status (NOT_YET_CERTIFIED / ACTIVE / DUE / EXPIRED)
- due_date (nullable)
- snapshot_json (salinan aturan: validity, reminder, dll)
- is_active
- created_at, updated_at, deleted_at