

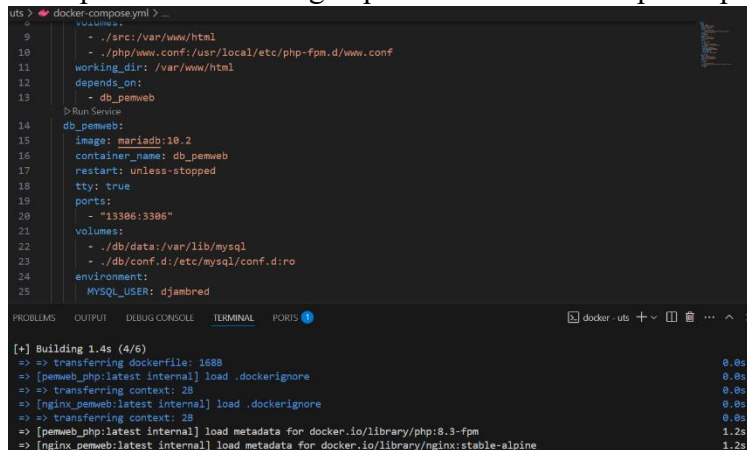
Dokumentasi

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Prodi: Sistem Informasi

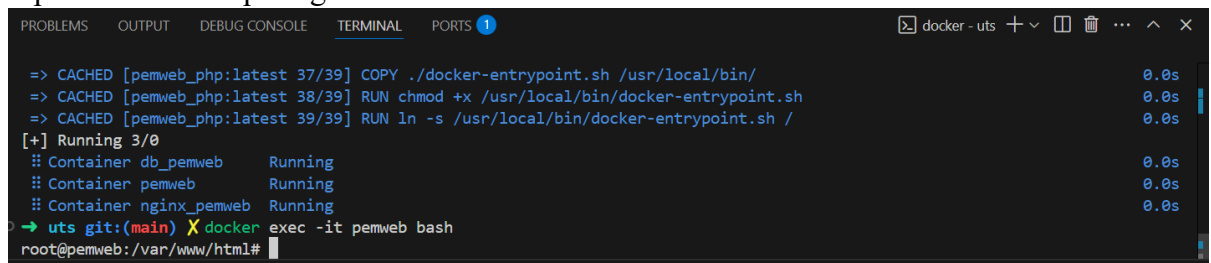
1. Kita build docker dengan cara buka terminal atau dari vs code terminal, setelah itu kita ketik pada terminal dengan perintah 'docker compose up -d --build'.



```
uts > docker-compose.yml > ...
9      - ./src:/var/www/html
10     - ./php/www.conf:/usr/local/etc/php-fpm.d/www.conf
11     working_dir: /var/www/html
12     depends_on:
13       - db_pemweb
14   db_pemweb:
15     image: mariadb:10.2
16     container_name: db_pemweb
17     restart: unless-stopped
18     tty: true
19     ports:
20       - "13306:3306"
21     volumes:
22       - ./db/data:/var/lib/mysql
23       - ./db/conf.d:/etc/mysql/conf.d:ro
24     environment:
25       MYSQL_USER: djambred

[+] Building 1.4s (4/6)
=> => transferring dockerfile: 1688                                0.0s
=> [pemweb_php:latest internal] load .dockerignore                  0.0s
=> => transferring context: 28                                       0.0s
=> [nginx_pemweb:latest internal] load .dockerignore                0.0s
=> => transferring context: 28                                       0.0s
=> [pemweb_php:latest internal] load metadata for docker.io/library/php:8.3-fpm 1.2s
=> [nginx_pemweb:latest internal] load metadata for docker.io/library/nginx:stable-alpine 1.2s
```

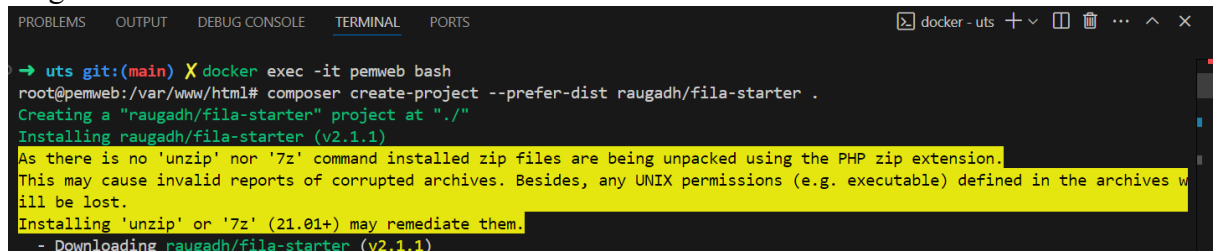
2. Setelah kita build docker dan sudah jalan selanjutnya kita ketik perintah docker exec -it pemweb bash seperti gambar di bawah ini.



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS 1
docker - uts + - - - - -

=> CACHED [pemweb_php:latest 37/39] COPY ./docker-entrypoint.sh /usr/local/bin/ 0.0s
=> CACHED [pemweb_php:latest 38/39] RUN chmod +x /usr/local/bin/docker-entrypoint.sh 0.0s
=> CACHED [pemweb_php:latest 39/39] RUN ln -s /usr/local/bin/docker-entrypoint.sh / 0.0s
[+] Running 3/0
  :: Container db_pemweb      Running 0.0s
  :: Container pemweb        Running 0.0s
  :: Container nginx_pemweb   Running 0.0s
-> uts git:(main) X docker exec -it pemweb bash
root@pemweb:/var/www/html#
```

3. Terus selanjutnya kita ketik perintah composer create-project --prefer-dist raugadh/fila-starter .



```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
docker - uts + - - - - -

-> uts git:(main) X docker exec -it pemweb bash
root@pemweb:/var/www/html# composer create-project --prefer-dist raugadh/fila-starter .
Creating a "raugadh/fila-starter" project at "."
Installing raugadh/fila-starter (v2.1.1)
As there is no 'unzip' nor '7z' command installed zip files are being unpacked using the PHP zip extension.
This may cause invalid reports of corrupted archives. Besides, any UNIX permissions (e.g. executable) defined in the archives will be lost.
Installing 'unzip' or '7z' (21.01+) may remediate them.
- Downloading raugadh/fila-starter (v2.1.1)
```

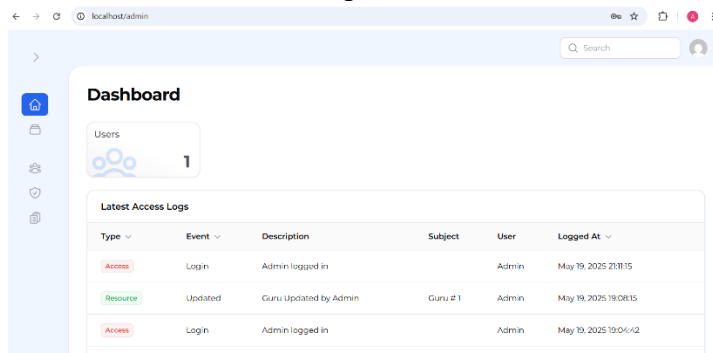
4. Kita ubah file.env sesuai gambar dibawah ini

```
UTS > src > .env
1 APP_NAME="Pemweb"
2 APP_ENV=local
3 APP_KEY=base64:nBk5RnYDMtXRhsYRt40bHa1kGK4P7ESQB0RZeXGFwaU=
4 APP_DEBUG=true
5 APP_TIMEZONE='Asia/Jakarta'
6 APP_URL=http://localhost
7 ASSET_URL=http://localhost
8 DEBUGBAR_ENABLED=false
9 ASSET_PREFIX=
10 # ASSET_PREFIX=/dev/kit/public example incase deployed inside a folder
11
12 APP_LOCALE=en
13 APP_FALLBACK_LOCALE=en
14 APP_FAKER_LOCALE=en_US
15
16 APP_MAINTENANCE_DRIVER=file
17 # APP_MAINTENANCE_STORE=database
18
```

5. Setelah ini kita ketik perintah php artisan migrate

- php artisan migrate:fresh
- php artisan db:seed --force
- php artisan shield:generate --all
- php artisan project:init
- chmod 777 -R storage/* && chmod 777 bootstrap/*

6. Terus setelah ketik semua perintah diatas ini kita coba testing webnya



7. Migration

```
<?php

use Illuminate\Database\Migrations\Migration;
use Illuminate\Database\Schema\Blueprint;
use Illuminate\Support\Facades\Schema;

return new class extends Migration
{
    /**
     * Run the migrations.
     */
    public function up(): void
    {
        Schema::create('gurus', function (Blueprint $table) {
            $table->id();
            $table->string('nama');
            $table->string('nip');
            $table->string('mapel');
            $table->string('email');
            $table->string('telepon');
            $table->string('alamat');
            $table->string('tanggal_lahir');
            $table->string('image');
            $table->timestamps();
        });
    }

    /**
     * Reverse the migrations.
     */
    public function down(): void
    {
        Schema::dropIfExists('gurus');
    }
};
```

8. DatabaseSeeder.php

```
1 <?php
2
3 namespace Database\Seeders;
4
5 use App\Models\User;
6 use Illuminate\Database\Seeder;
7 use Spatie\Permission\Models\Role; // Tambahkan ini
8
9 class DatabaseSeeder extends Seeder
10 {
11     /**
12      * Seed the application's database.
13      */
14     public function run(): void
15     {
16         // Buat role super_admin jika belum ada
17         Role::firstOrCreate(['name' => 'super_admin', 'guard_name' => 'web']
18
19         // Cek apakah user admin sudah ada
20         $user = User::where('email', 'admin@admin.com')->first();
21
22         if (!$user) {
23             // Buat user admin
24             $user = User::factory()->create([
25                 'name' => 'Admin',
26                 'email' => 'admin@admin.com',
27             ]);
28
29             // Berikan role super_admin
30             $user->assignRole('super_admin');
31
32             // Jalankan seeder lain
33             $this->call([
34                 GuruSeeder::class,
35             ]);
36 }
```

9. GuruSeeder.php

```
1  <?php
2
3  namespace Database\Seeders;
4
5  use Illuminate\Database\Console\Seeds\WithoutModelEvents;
6  use App\Models\Guru;
7  use Illuminate\Database\Seeder;
8
9  class GuruSeeder extends Seeder
10 {
11     /**
12      * Run the database seeds.
13      */
14     public function run(): void
15     {
16         Guru::create([
17             'nama' => 'nama',
18             'nip' => 'nip',
19             'mapel' => 'mapel',
20             'email' => 'email',
21             'telepon' => 'no hp',
22             'alamat' => 'alamat',
23             'tanggal_lahir' => 'tanggal lahir',
24             'image' => '',
25         ]);
26     }
27 }
28
```

10. Guru.php

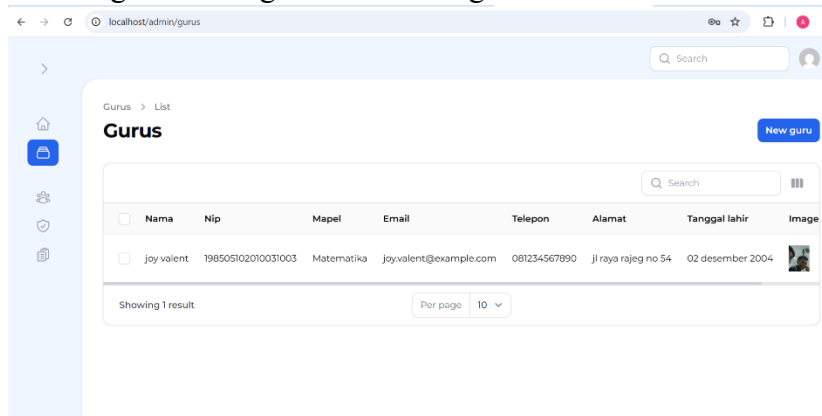
```
<?php

namespace Database\Seeders;

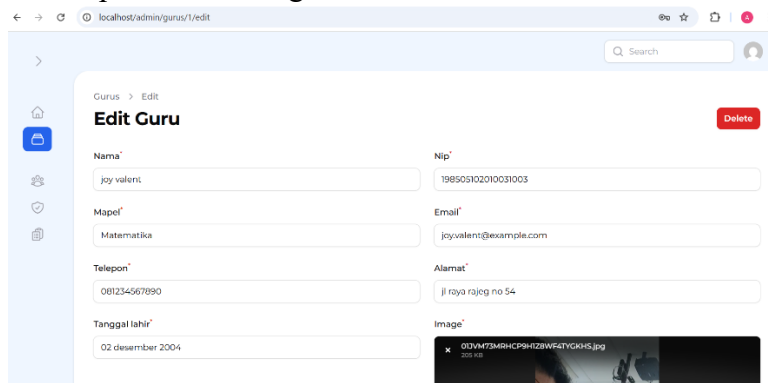
use Illuminate\Database\Console\Seeds\WithoutModelEvents;
use App\Models\Guru;
use Illuminate\Database\Seeder;

class GuruSeeder extends Seeder
{
    /**
     * Run the database seeds.
     */
    public function run(): void
    {
        Guru::create([
            'nama' => 'nama',
            'nip' => 'nip',
            'mapel' => 'mapel',
            'email' => 'email',
            'telepon' => 'no hp',
            'alamat' => 'alamat',
            'tanggal_lahir' => 'tanggal lahir',
            'image' => '',
        ]);
    }
}
```

11. Sekarang kita testing dashboar data guru



12. Ini tampilan edit data guru



13. Ini tampilan New guru

