ACTIVITY PRAKTIKUM

Mata Praktikum : Rekayasa Perangkat Lunak 2

Kelas : 4IA14

Praktikum ke- :5

Tanggal: 11 November 2024

Materi : Konsep Framework Spring, Pembuatan

Project Sprring dan Hibernate

NPM : 50421425

Nama : Evan Caesar Daniel Sihotang

Ketua Asisten : Suryo Adji Widagdo

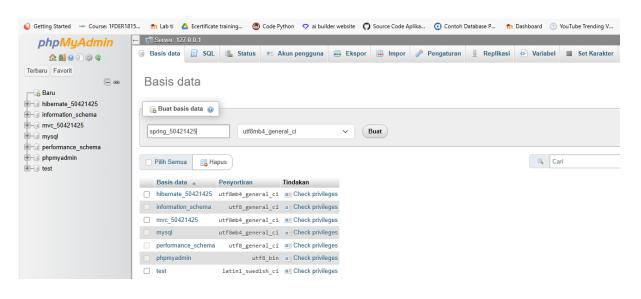
Paraf Asisten :

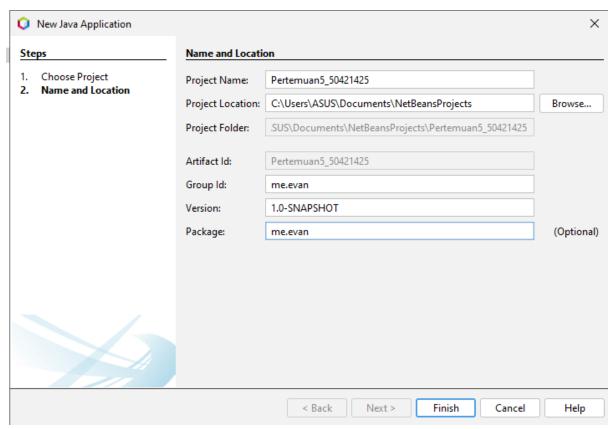
Nama Asisten :

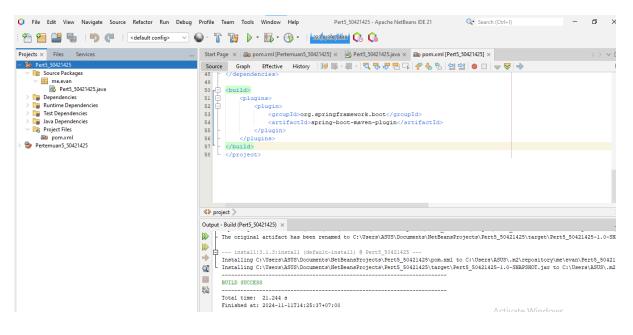
Jumlah Lembar : Lembar

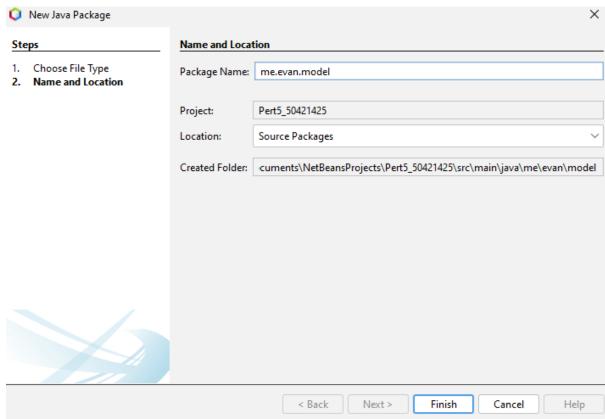
 Dependency injection adalah salah satu implementasi dari konsep inversion of control. Dependency erfungsi agar suatu class tidak terikat dengan class yang lain sehingga dependency injection akan memberikan injeksi kepada class yang membutuhkan dependency

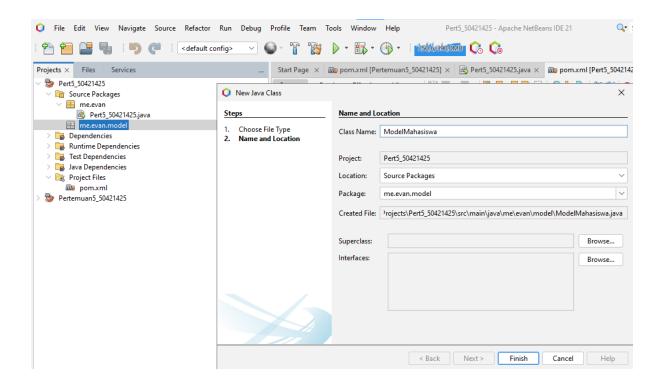
2. Screenshot



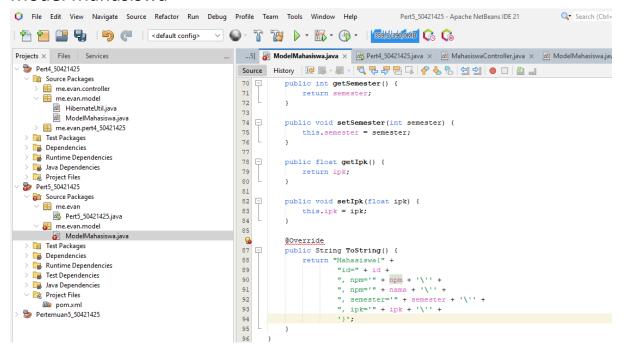


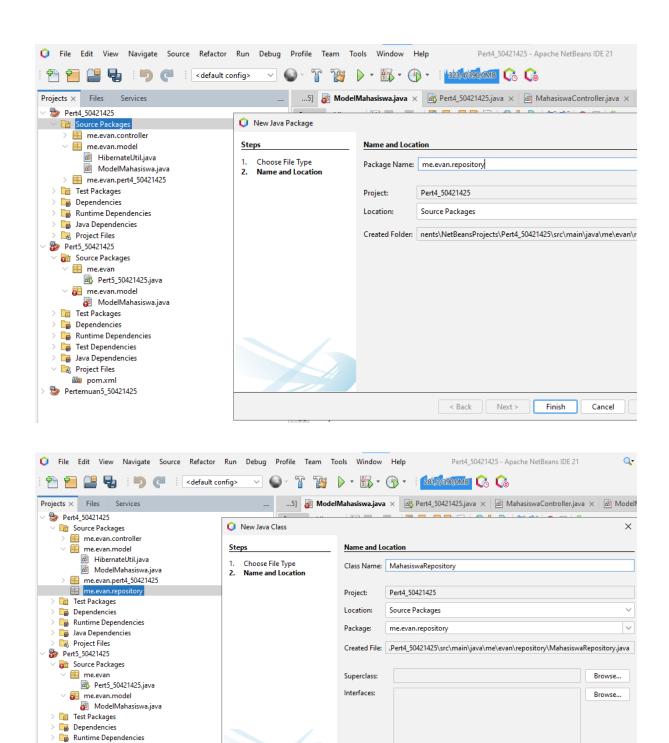






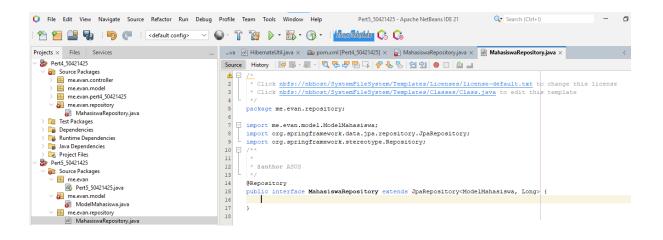
Model Mahasiswa

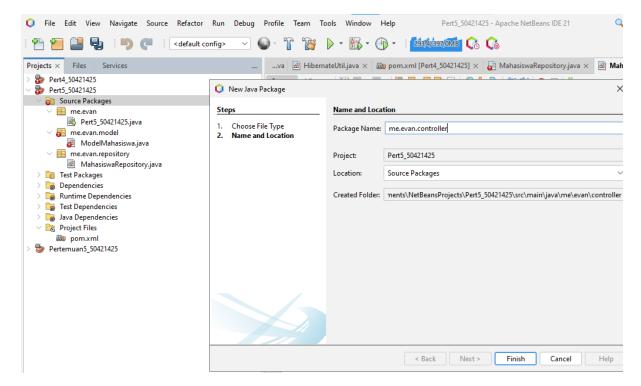


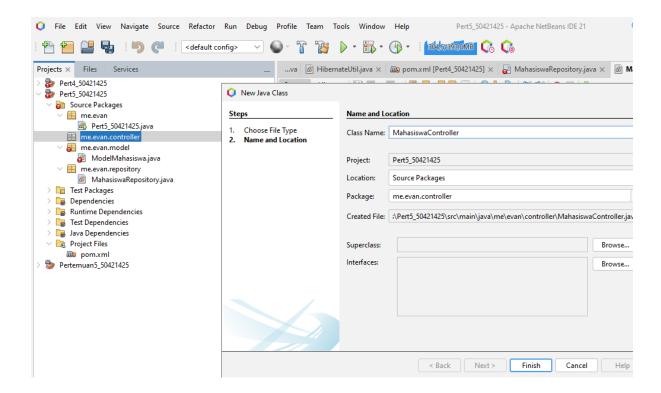


< Back Next > Finish

Mahasiswa Respository







Mahasiswa Controller

```
File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help Pert5_50421425 - Apache NetBeans IDE 21
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                                                  ▽ 🚳 - 🏗 🥦 ▷ - 📆 - ① - 🗆 257,0/407,6MB 🕻 💪
Projects × Files Services
                                                        ...va 👜 pom.xml [Pert4_50421425] 🗴 🖟 MahasiswaRepository.java 🗴 🙆 MahasiswaRepository.java ×
  Pert4_50421425
Pert5_50421425
                                                         Source Packages
      me.evan
                                                         63 🖃
                                                                    private void tambahMahasiswa (Scanner scanner) {
         Pert5_50421425.java
                                                                         System.out.println("Masukkan NPM: ");
String npm = scanner.nextLine();
       me.evan.controller
                                                         65
       MahasiswaController.java
me.evan.model
                                                                         System.out.println("Masukkan Nama: ");
String nama = scanner.next();
      ModelMahasiswa.java
me.evan.repository
                                                         68
69
                                                                         System.out.println("Masukkan Semester: ");
int semester = scanner.nextInt();
         MahasiswaRepository.java
                                                         70
71
72
                                                                         System.out.println("Masukkan IPK: ");
float ipk = scanner.nextFloat();
    Test Packages
    Dependencies
    Runtime Dependencies
Test Dependencies
                                                         73
74
                                                                        ModelMahasiswa mahasiswa = new ModelMahasiswa(0, npm, nama, semester, ipk);
                                                                                           ory.save(mahasiswa);
    Java Dependencies
                                                         75
76
77
78 = 79
                                                                         System.out.println("Mahasiswa Berhasil ditambahkan.");
     Project Files
       @ pom.xml
  Pertemuan5_50421425
                                                                    private void cekKoneksi() {
                                                                        try {
                                                                              mahasiswaRepository.findAll();
                                                                             System.out.println("Koneksi ke database berhasil");
                                                         82 🖃
                                                                         } catch (Exception e) {
                                                                             System.out.println("Gagal terhubung ke database");
                                                         84
```

