

# PUPUT DEBBYLA WALZAHRA

51421182\_4IA06

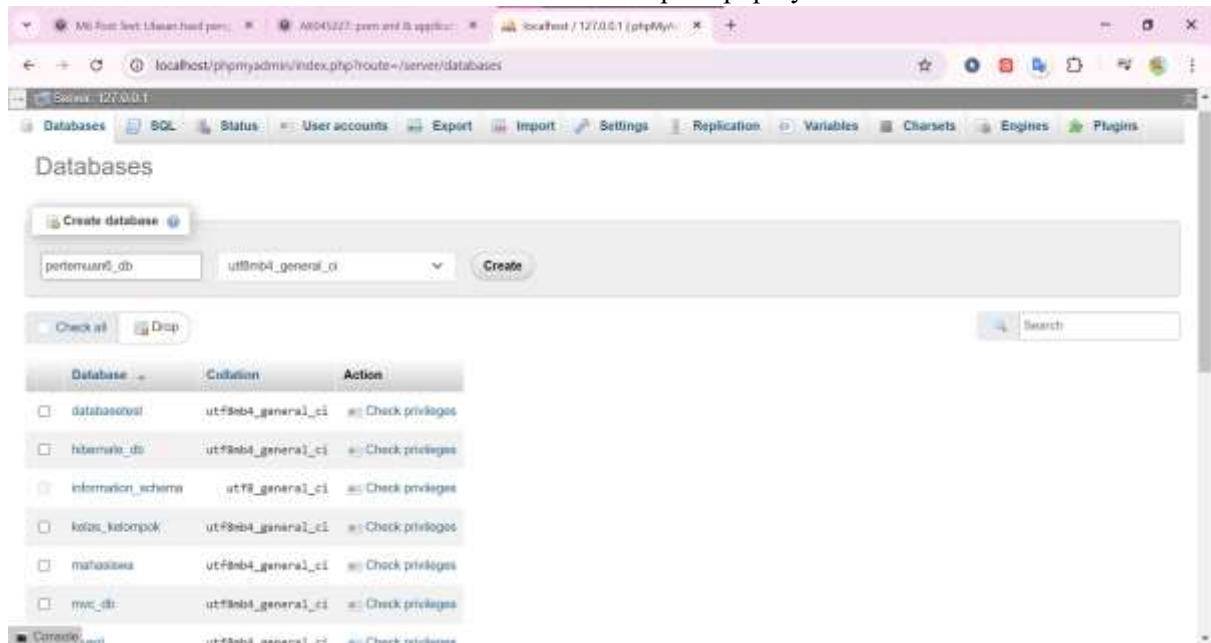
Rekayasa Perangkat Lunak 2

Implementasi Aspect Oriented Programming (AOP) dan Dependency Injection pada Project Spring dan Hibernate

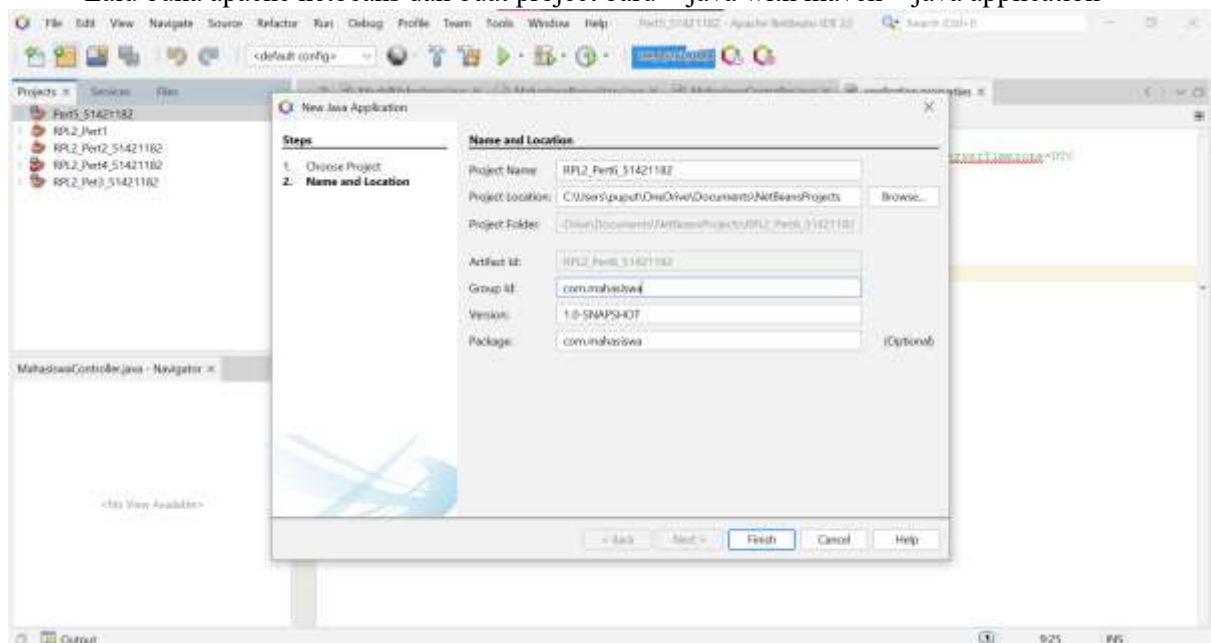
1) Screenshot kode dan output program!

Jawab:

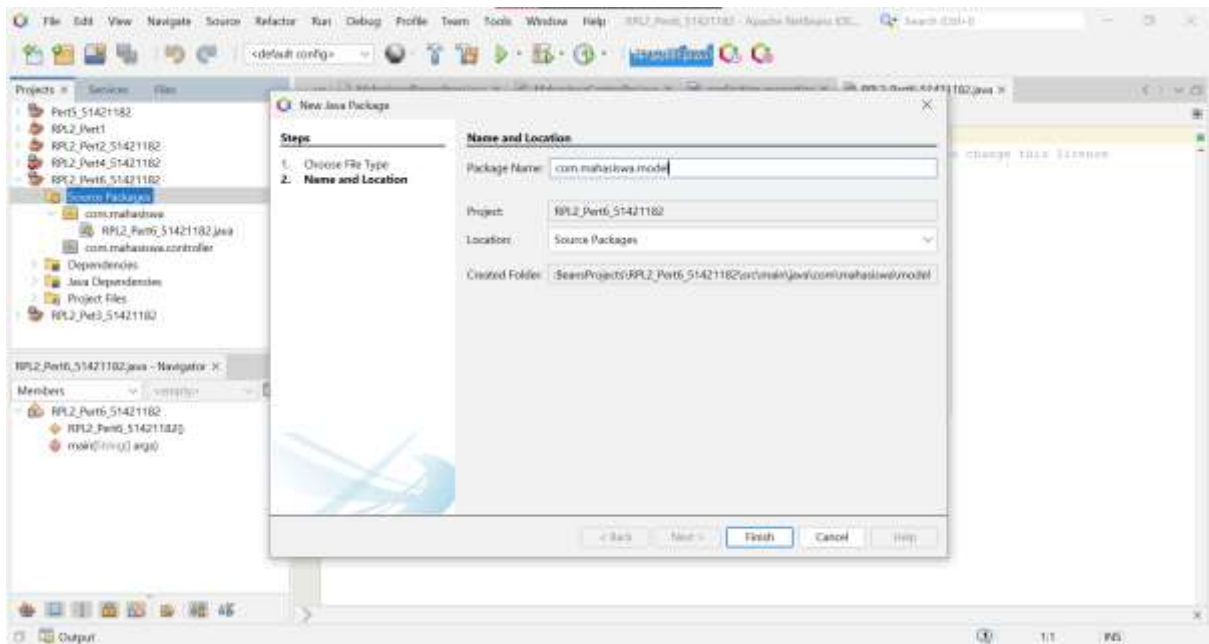
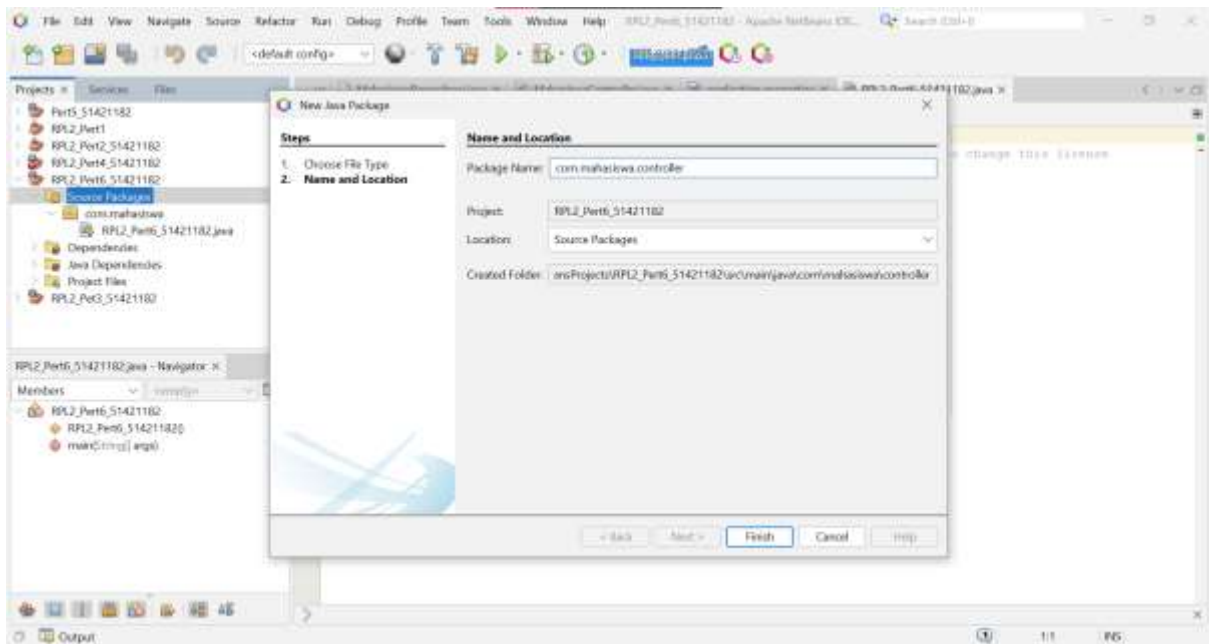
Buat database terlebih dahulu pada phpmyadmin

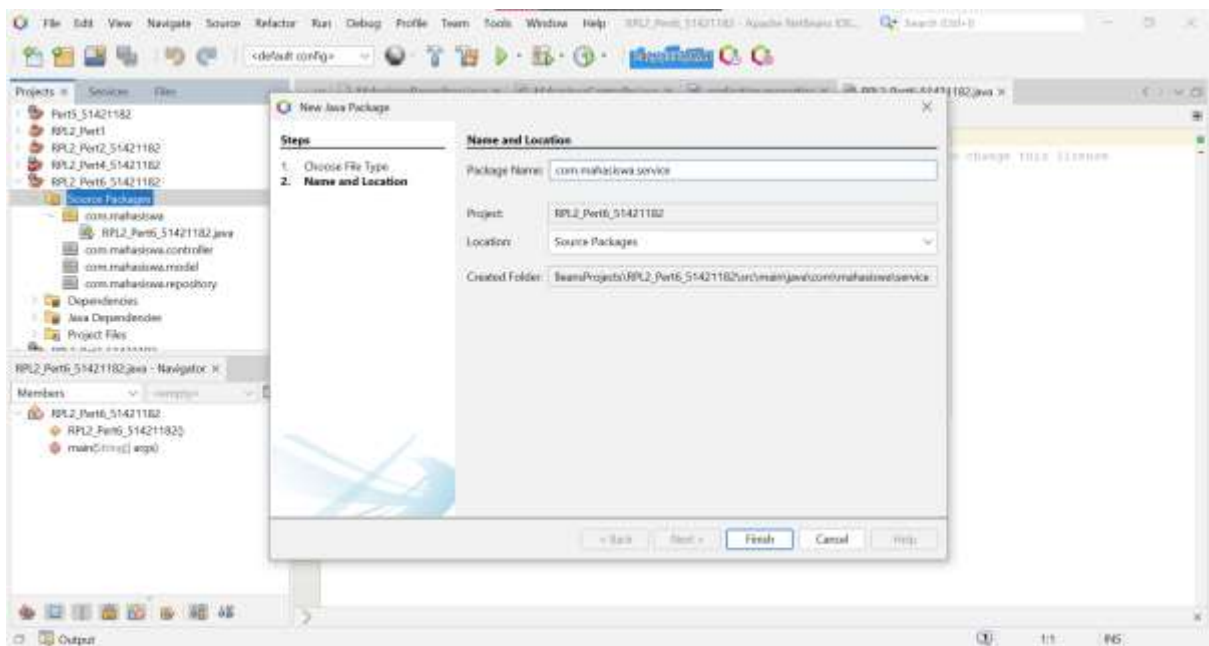
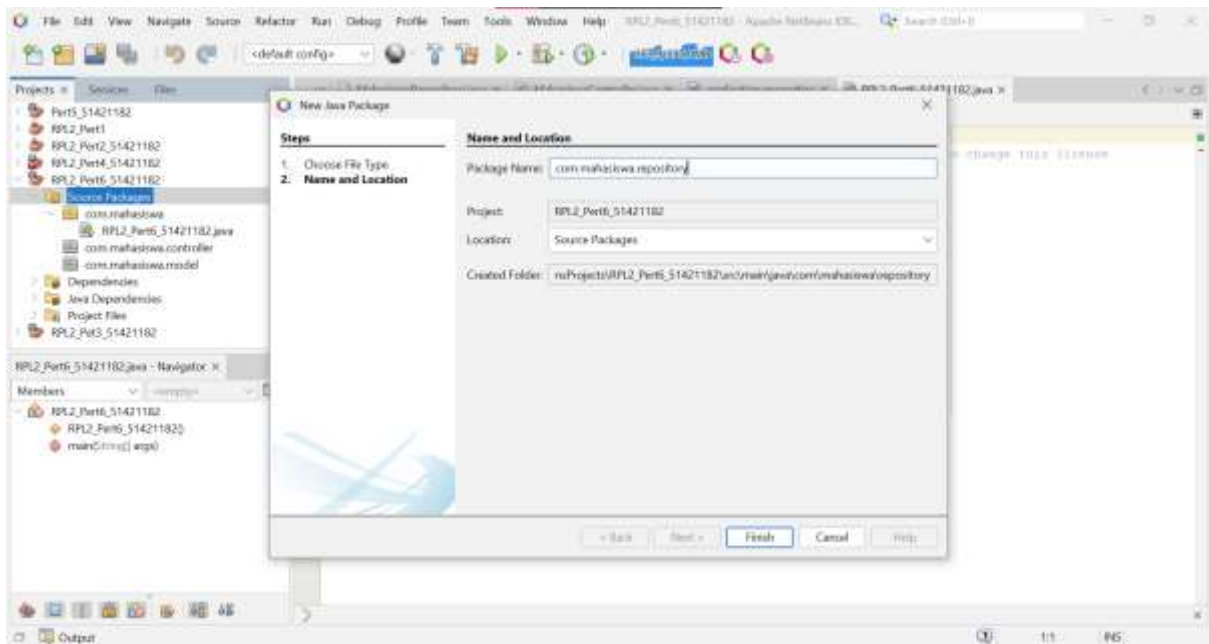


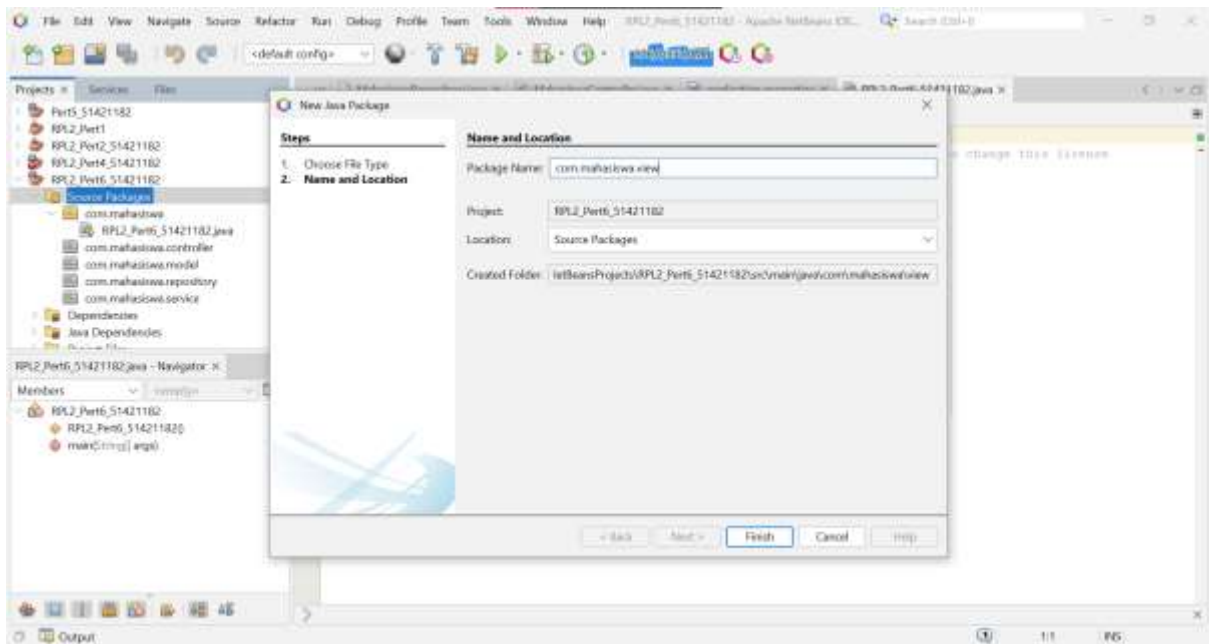
Lalu buka apache netbeans dan buat project baru > java with maven > java application



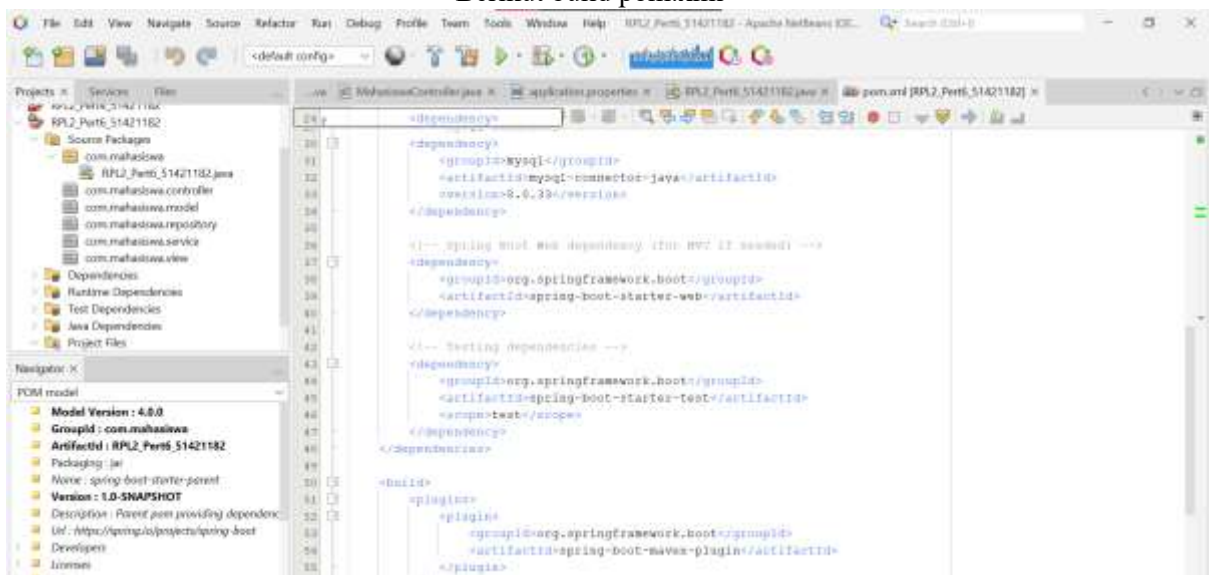
Buat package

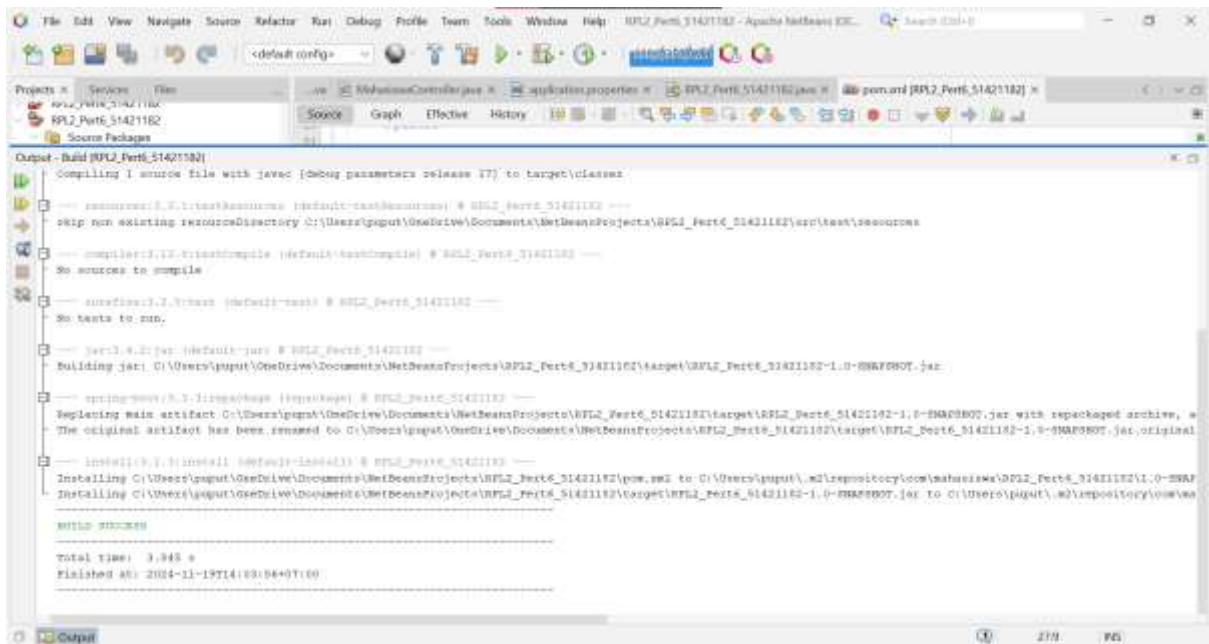




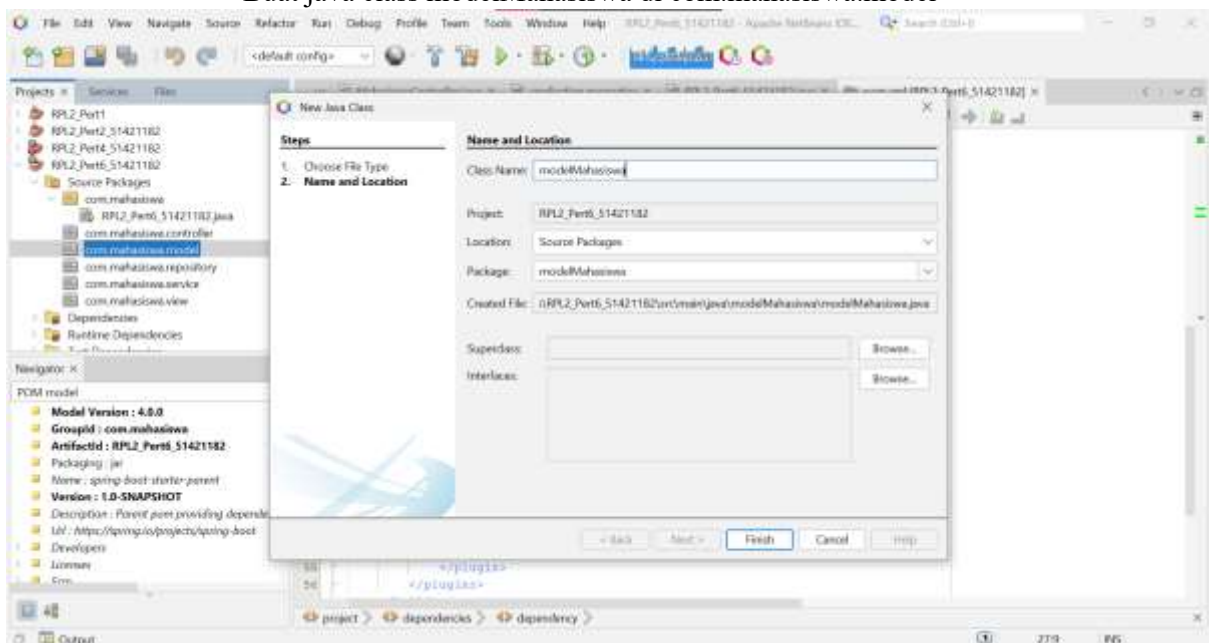


Berikut build pom.xml

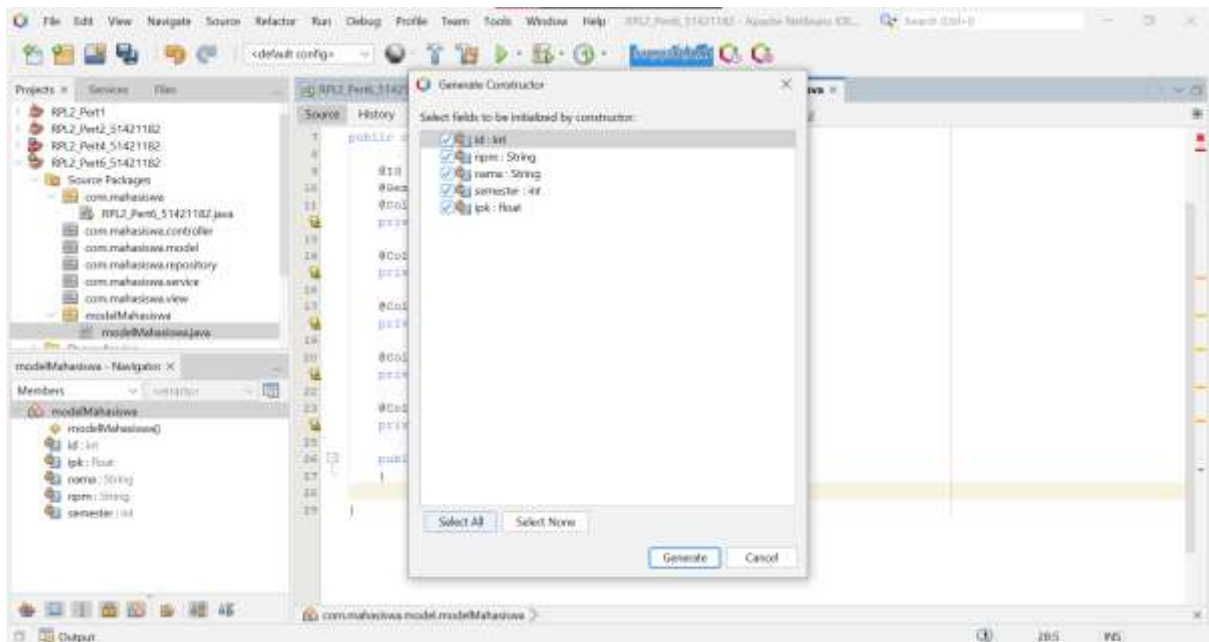




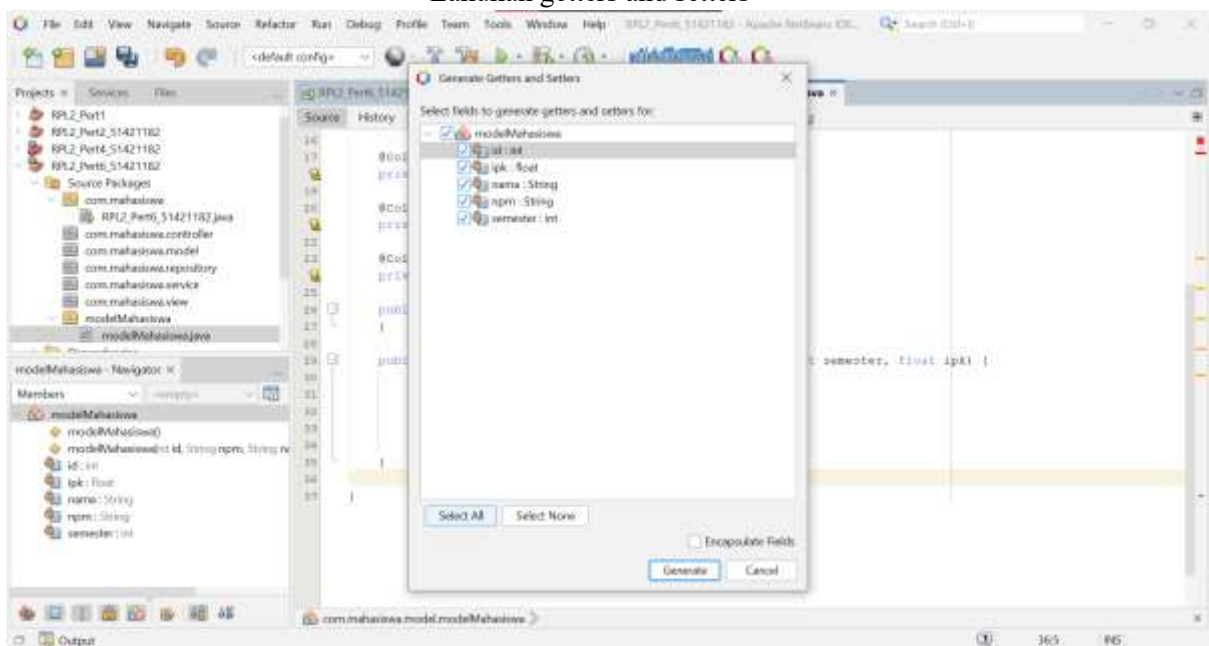
Buat java class modelMahasiswa di com.mahasiswa.model



Lakukan insert code dan construct

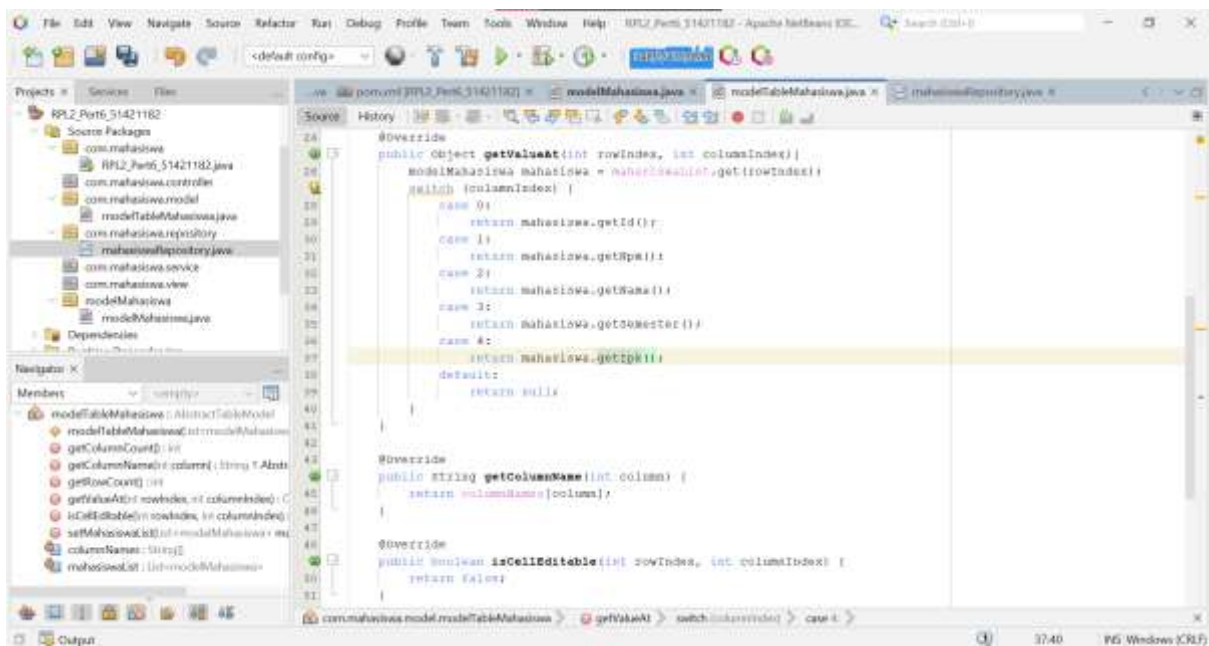
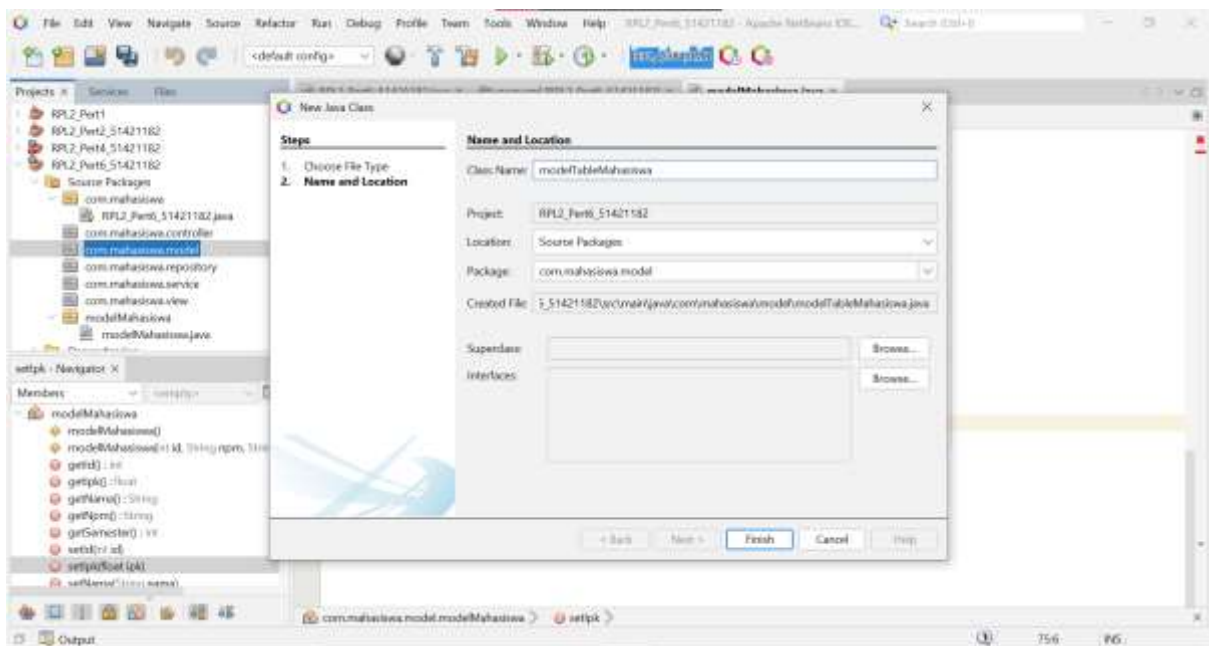


Lakukan getters and setters

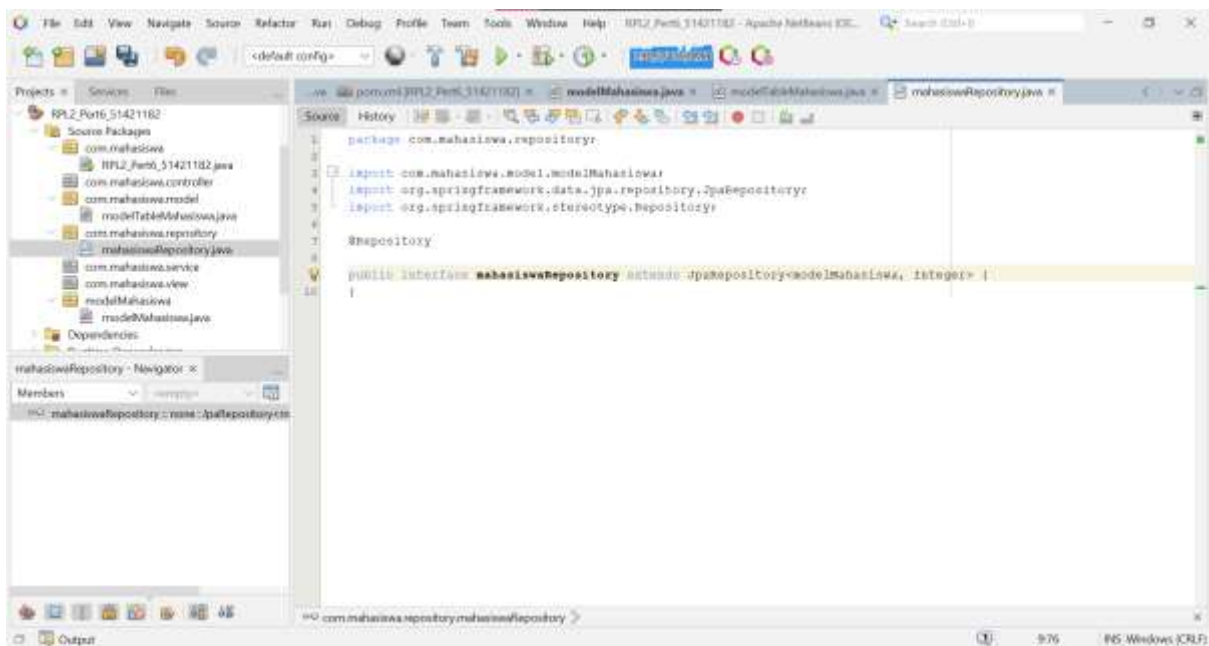
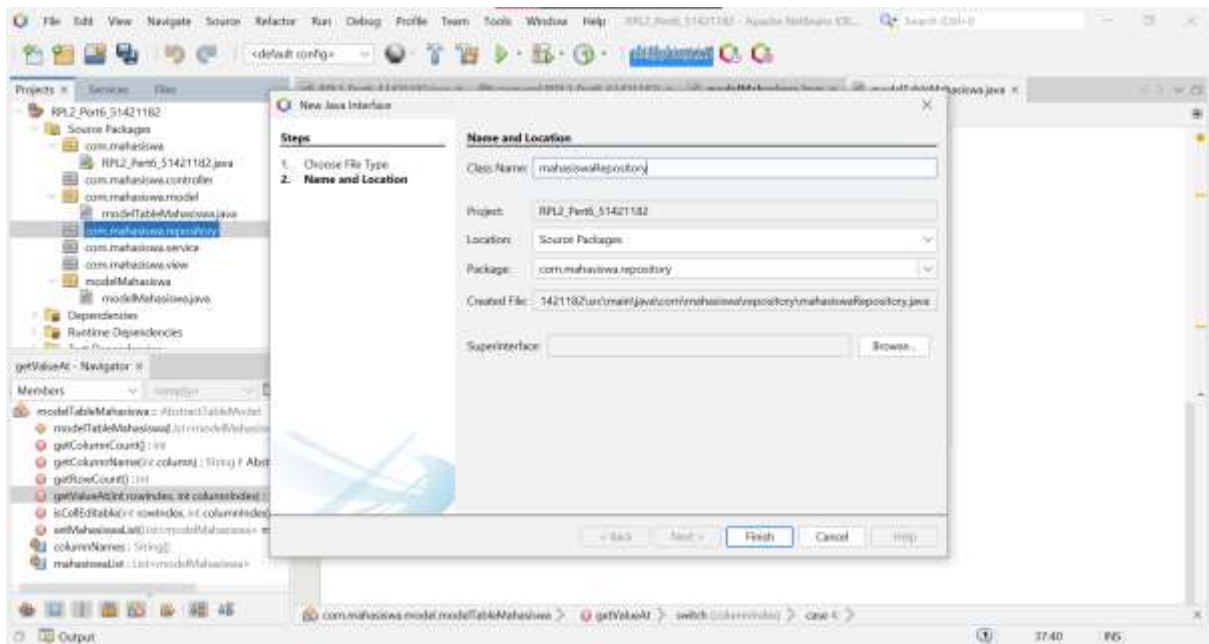


Buat java class baru di com.mahasiswa.model



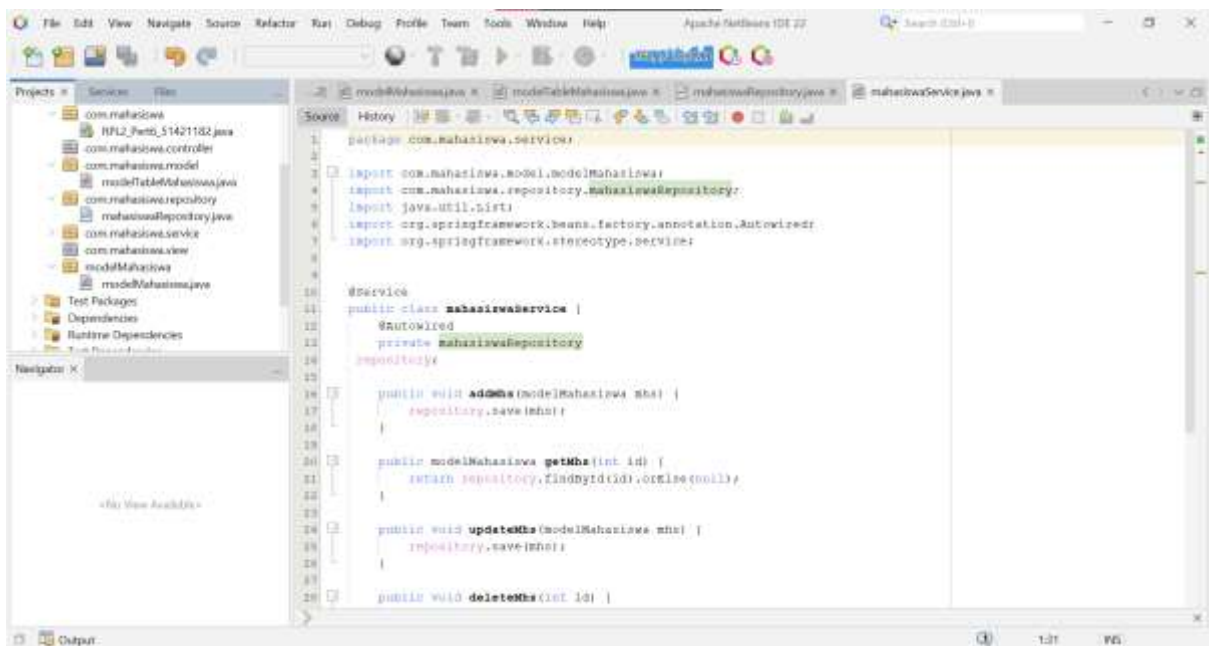
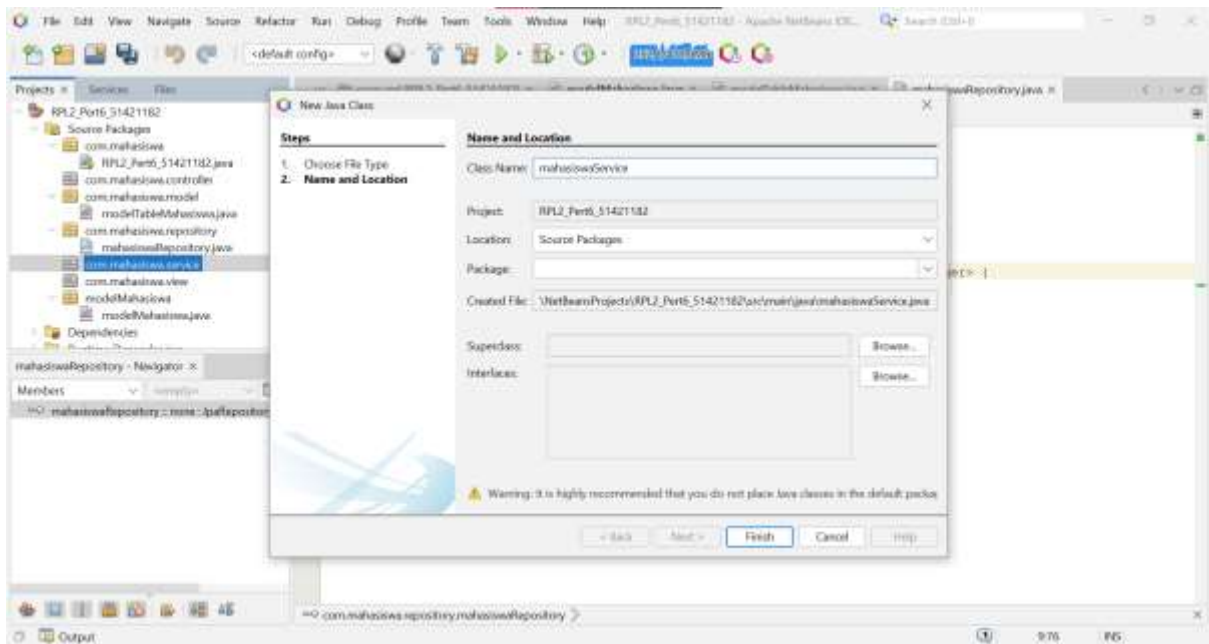


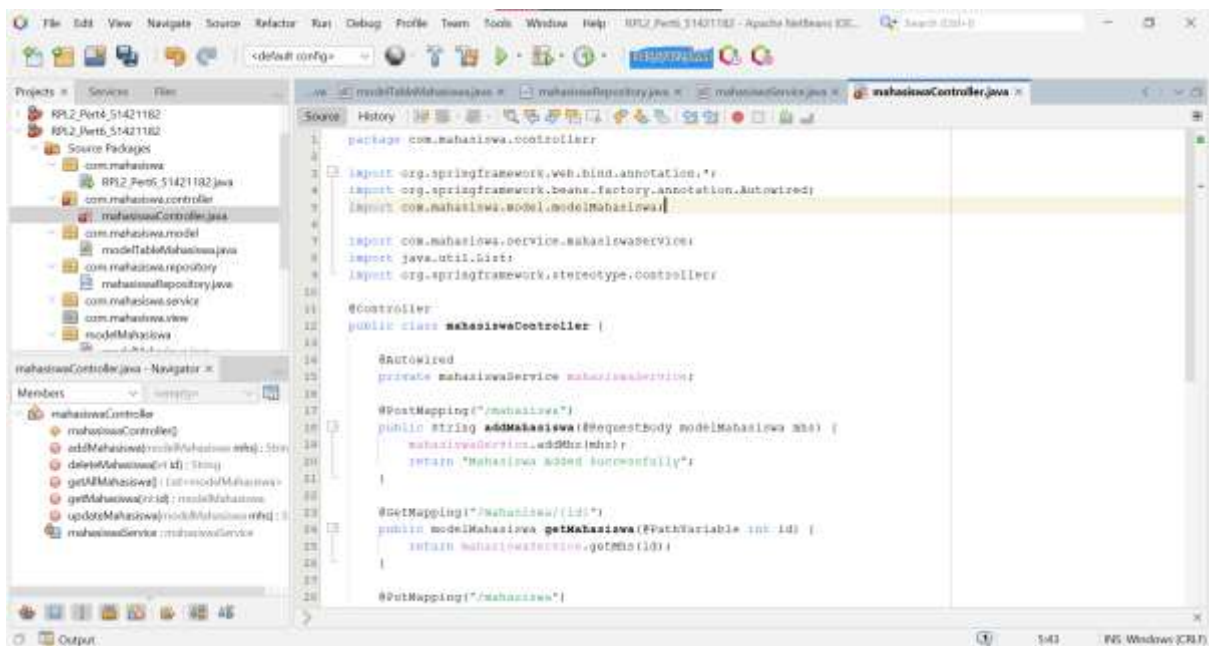
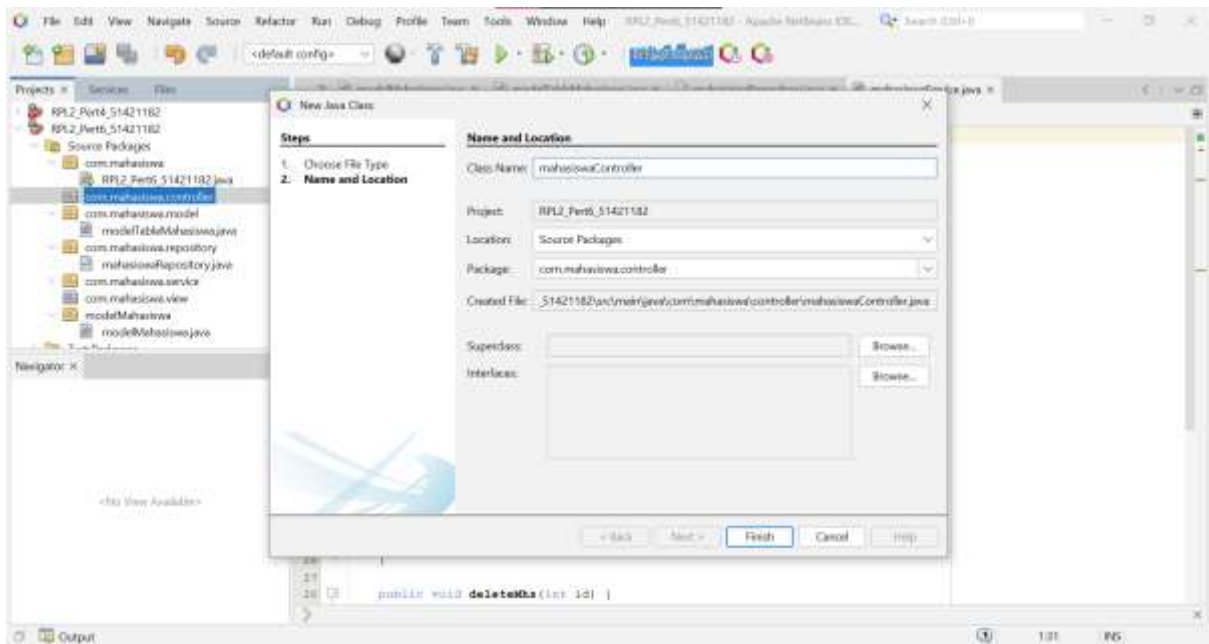
Buat java interface di com.mahasiswa.repository



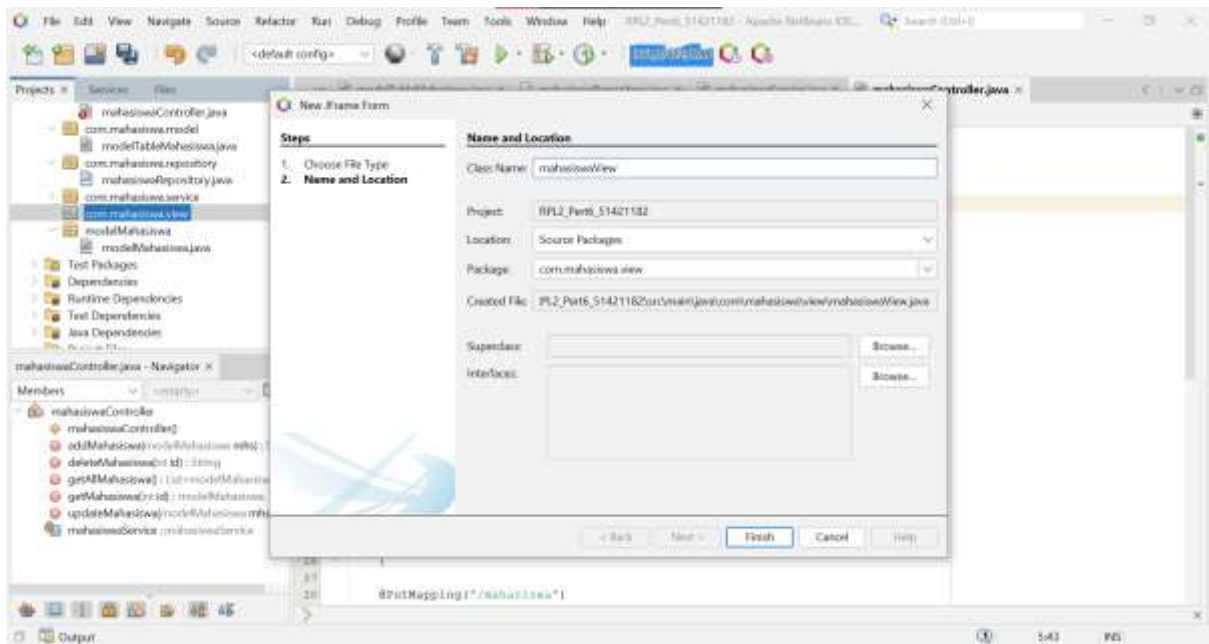
Buat java class baru di com.mahasiswa.service



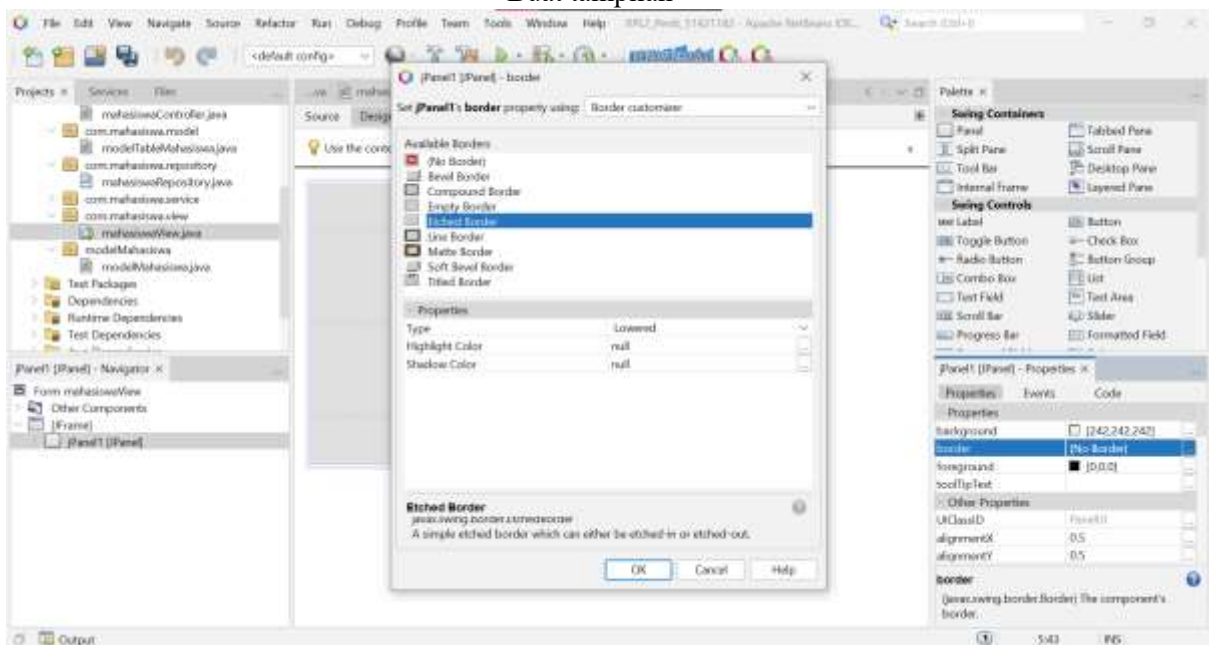




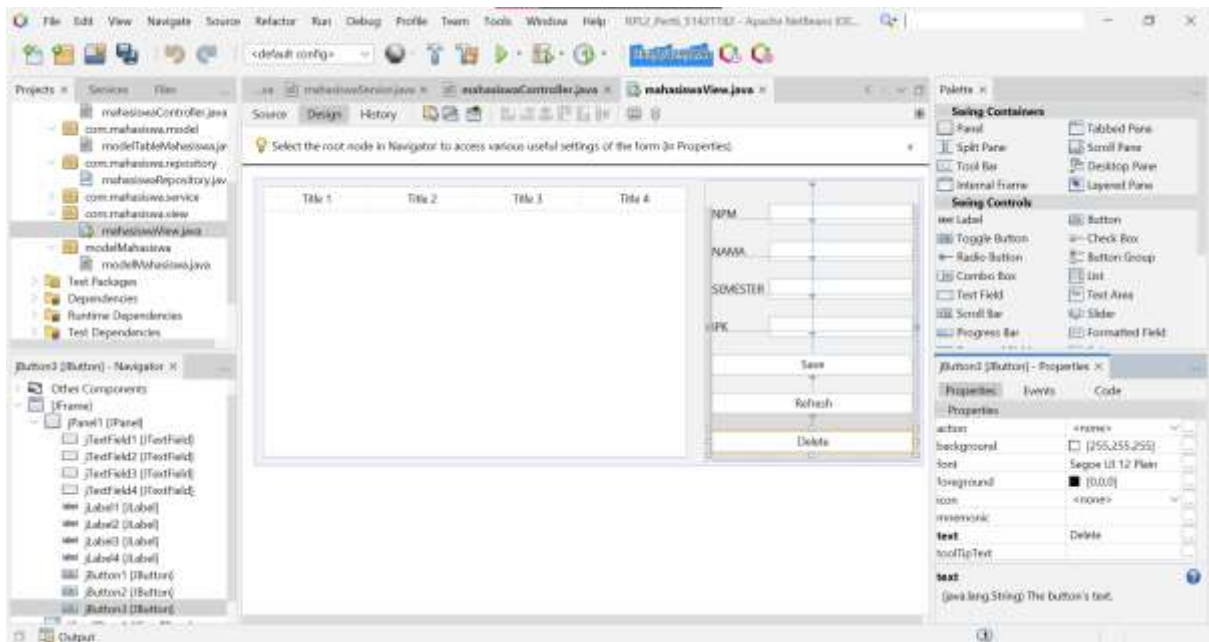
Buat jframe form pada com.mahasiswa.view



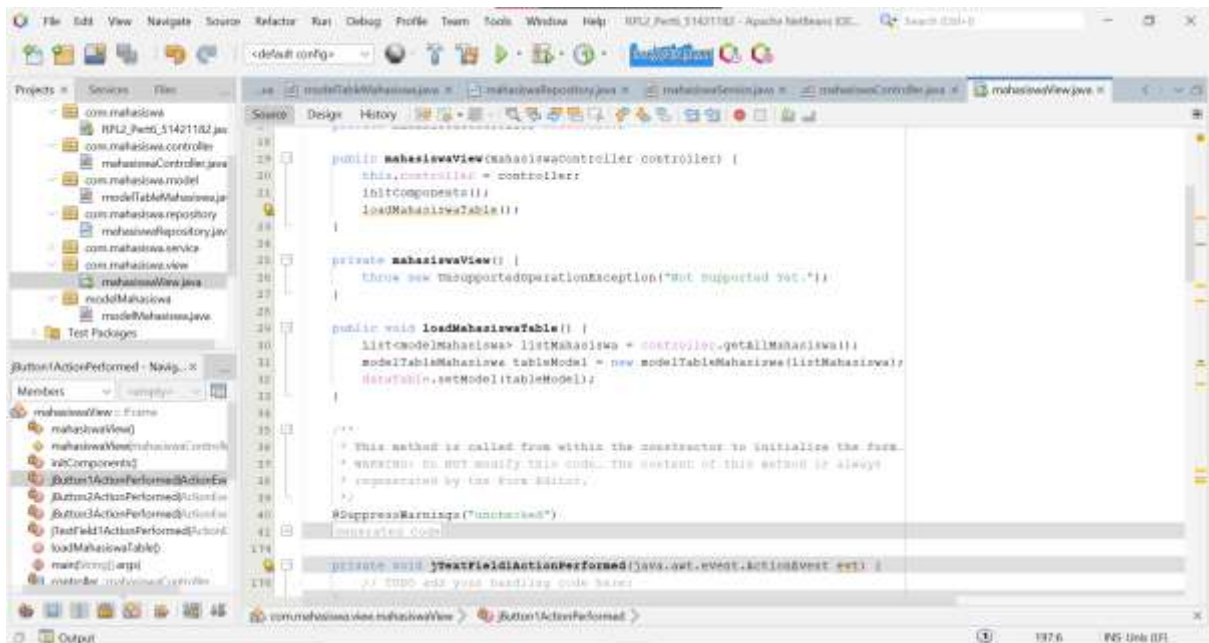
Buat tampilan



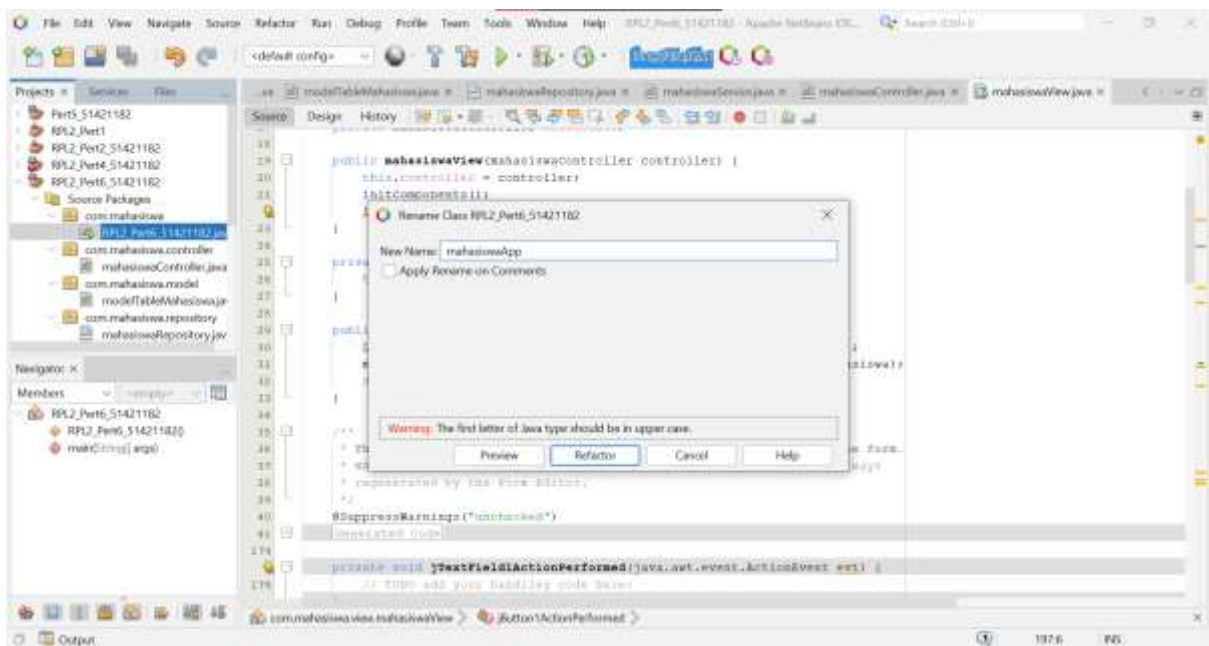
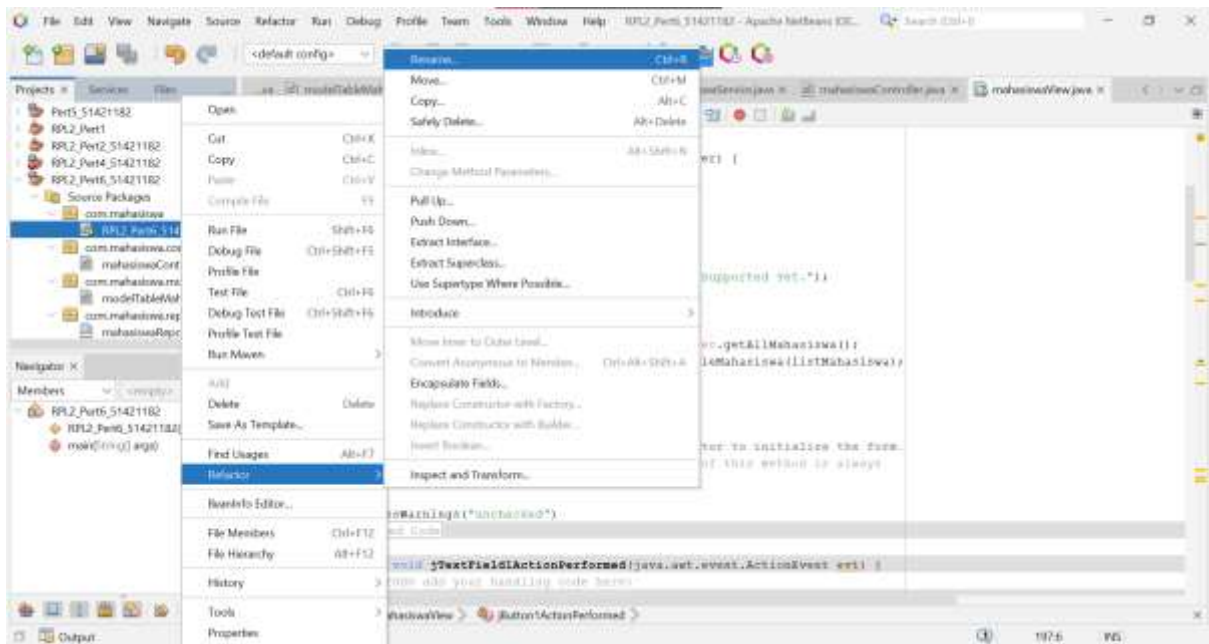
Hasil design



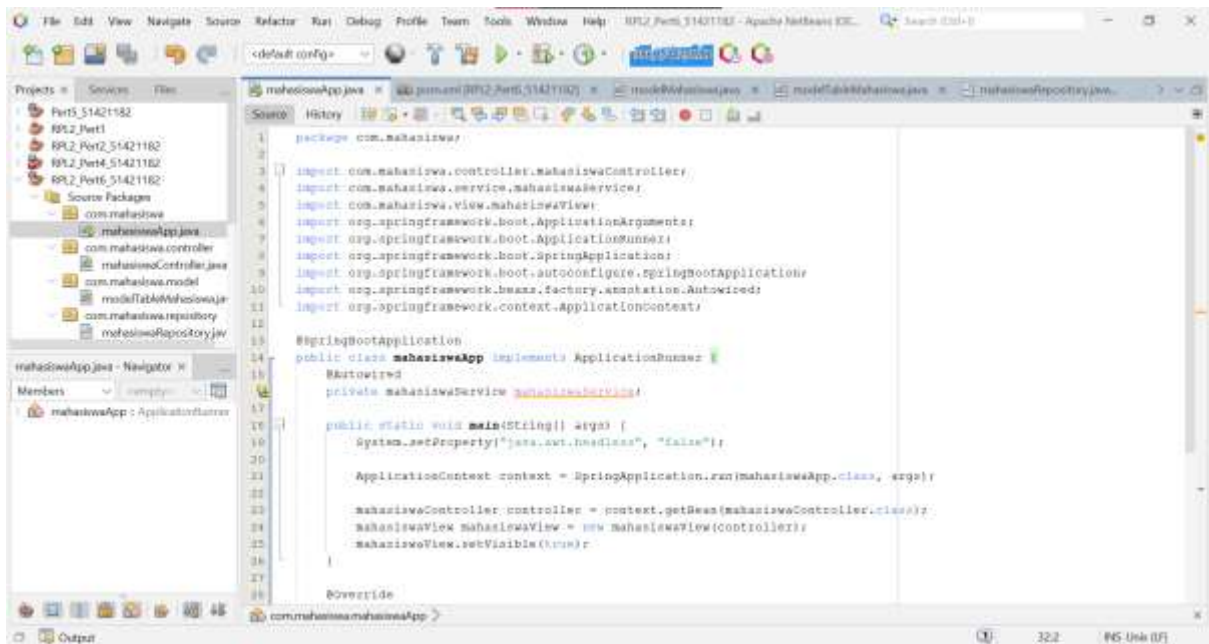
Code mahasiswaView



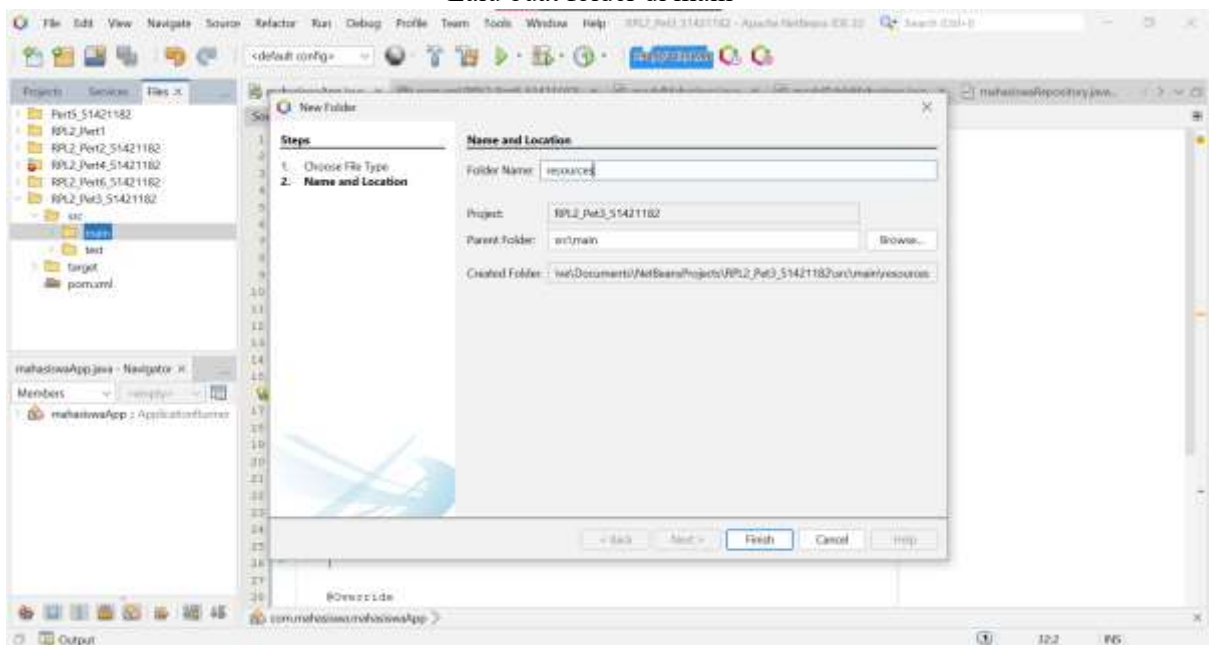
Lalu kembali ke package com.mahasiswa



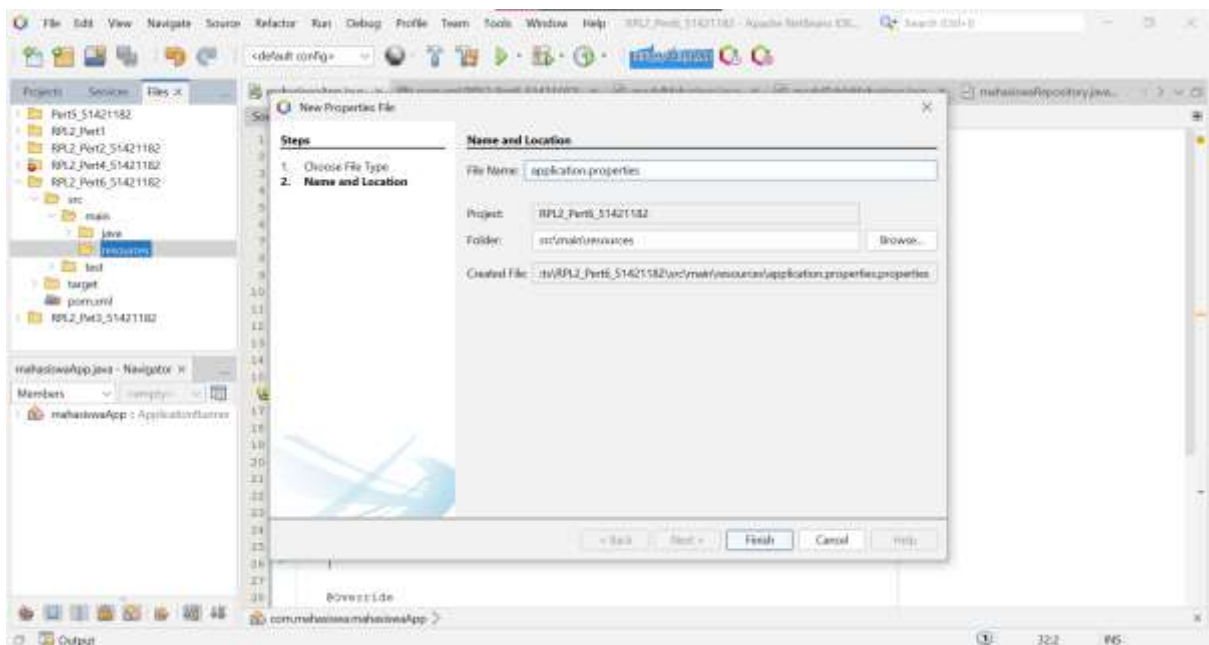
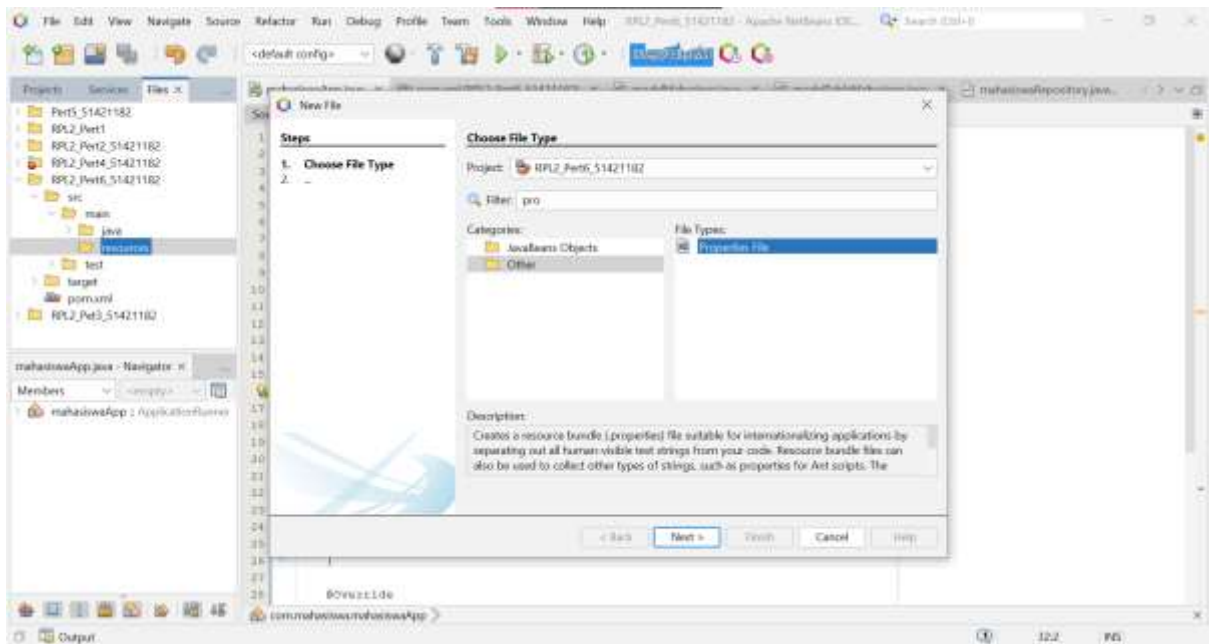


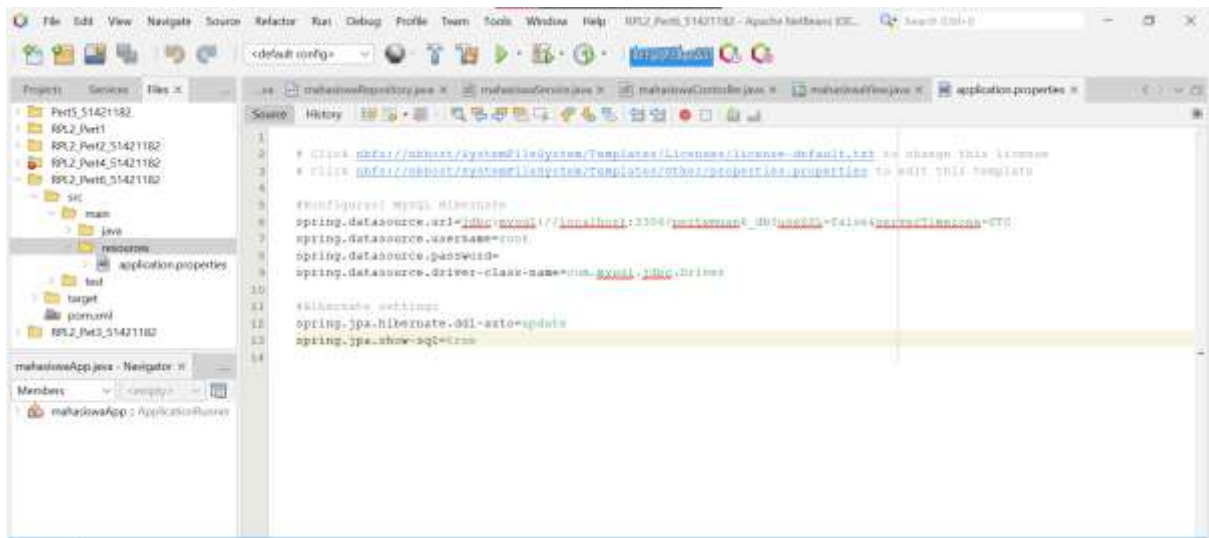


Lalu buat folder di main

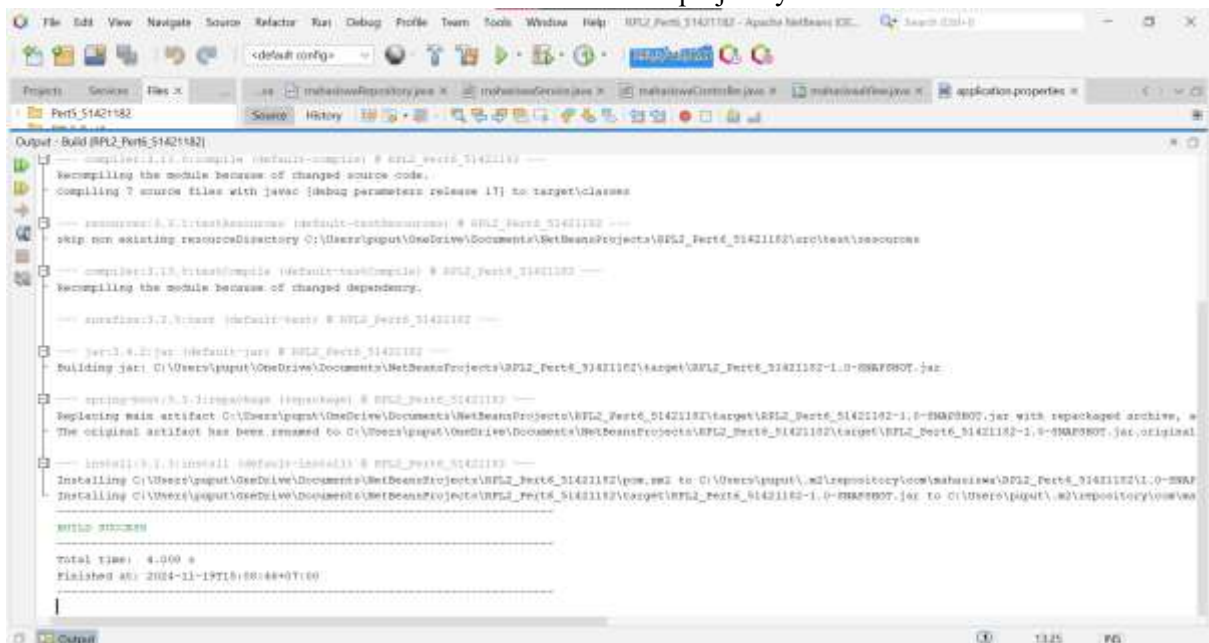


Properties file

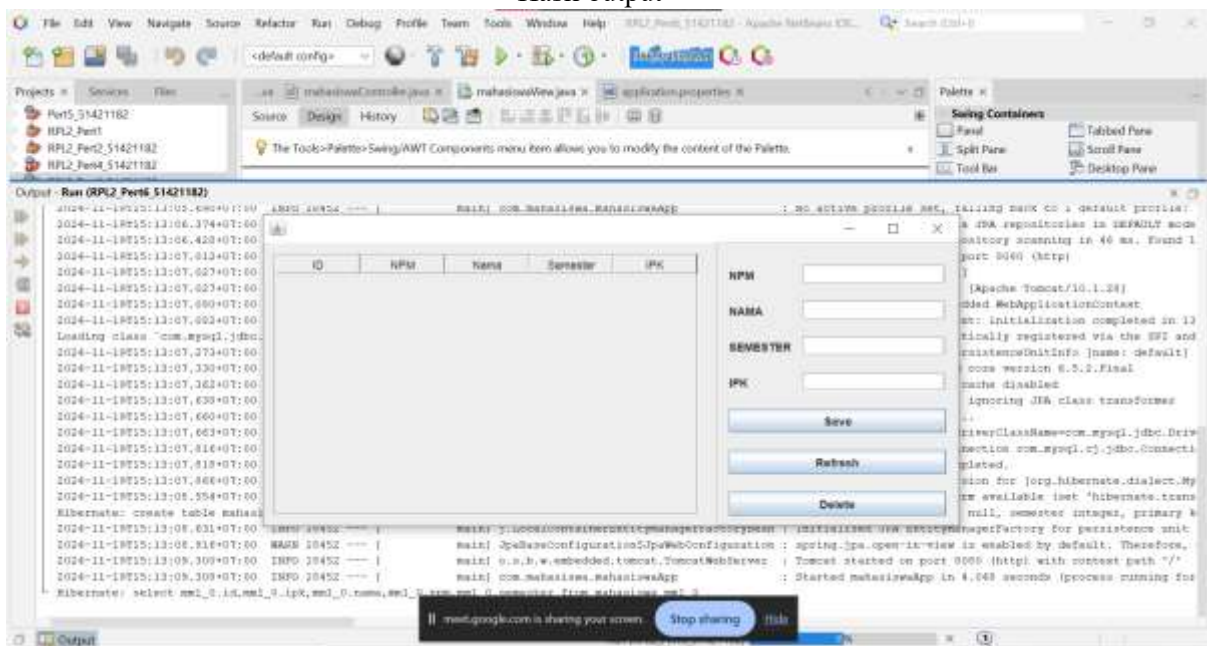
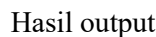


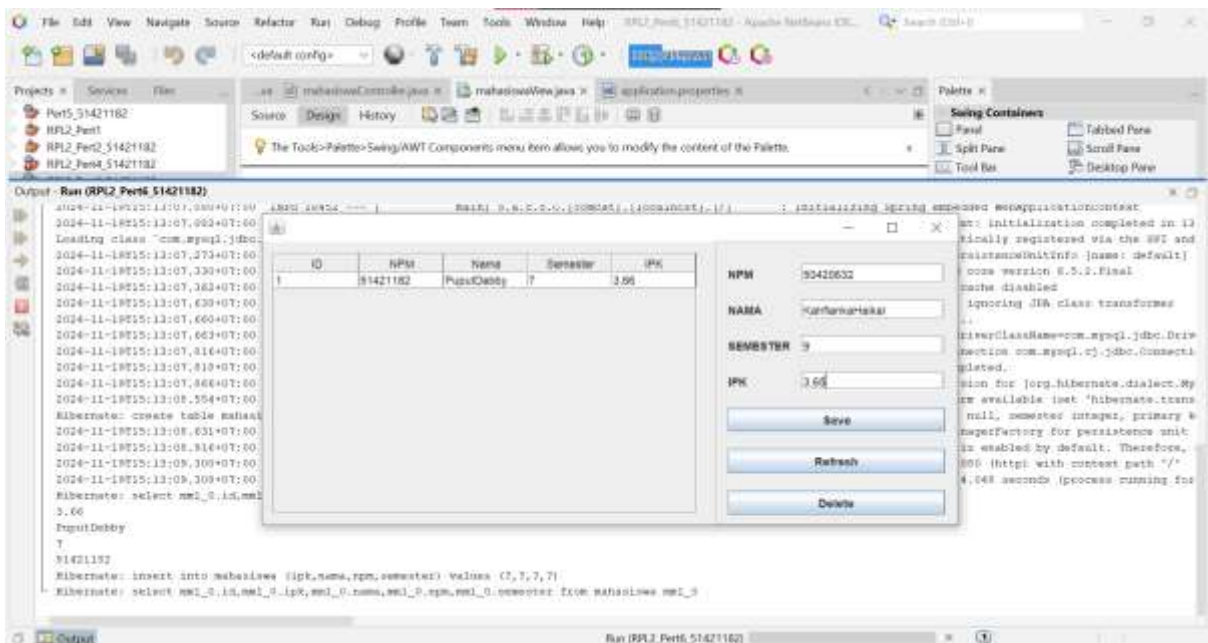
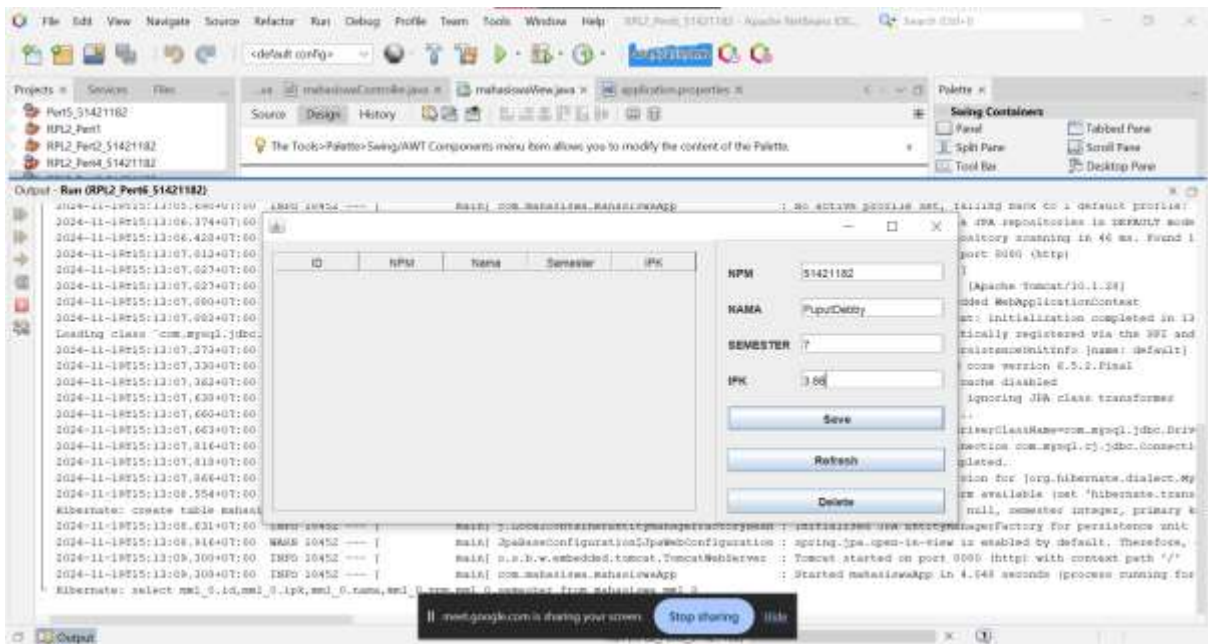


Setelah itu build kembali projectnya



Buka project properties dan pilih mahasiswaApp







ID	NPM	Nama	Semester	IPK
1	51421182	PuputDebby	7	3.66
2	50420632	KahfiankaHal...	9	3.65

NPM   
NAMA   
SEMESTER   
IPK   

Save

Refresh

Delete

com.mahasiswa.repository

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Window Help

default config

Projects

Services

Files

Source

Design

History

Run (RPL2\_Pert5\_51421182)

```

::: Spring Boot ::: (v5.3.3)

2024-11-19T15:31:18.444+07:00 INFO 14932 --- [
2024-11-19T15:31:18.446+07:00 INFO 14932 --- [
2024-11-19T15:31:19.103+07:00 INFO 14932 --- [
2024-11-19T15:31:19.105+07:00 INFO 14932 --- [
2024-11-19T15:31:19.704+07:00 INFO 14932 --- [
2024-11-19T15:31:19.717+07:00 INFO 14932 --- [
2024-11-19T15:31:19.717+07:00 INFO 14932 --- [
2024-11-19T15:31:19.766+07:00 INFO 14932 --- [
2024-11-19T15:31:19.787+07:00 INFO 14932 --- [
Loading class `com.mysql.jdbc.Driver`. This is deprecated.
2024-11-19T15:31:19.900+07:00 INFO 14932 --- [
2024-11-19T15:31:20.007+07:00 INFO 14932 --- [
2024-11-19T15:31:20.044+07:00 INFO 14932 --- [
2024-11-19T15:31:20.339+07:00 INFO 14932 --- [
2024-11-19T15:31:20.362+07:00 INFO 14932 --- [
2024-11-19T15:31:20.363+07:00 WARN 14932 --- [
2024-11-19T15:31:20.500+07:00 INFO 14932 --- [
2024-11-19T15:31:20.502+07:00 INFO 14932 --- [
2024-11-19T15:31:20.545+07:00 WARN 14932 --- [
2024-11-19T15:31:20.201+07:00 INFO 14932 --- [
2024-11-19T15:31:21.234+07:00 INFO 14932 --- [
2024-11-19T15:31:21.511+07:00 WARN 14932 --- [
2024-11-19T15:31:21.836+07:00 INFO 14932 --- [
2024-11-19T15:31:21.943+07:00 INFO 14932 --- [
hibernate) select mst_d_id,mst_d_ipk,mst_d_nama,mst_d_npm,mst_d_semaster from mahasiswa mst_d

main[] com.mahasiswa.mahasiswaApp : Starting mahasiswaApp using Java 12.0.1 with PID 14932 (C:
main[] com.mahasiswa.mahasiswaApp : No active profile set, falling back to 1 default profile:
main[] org.springframework.data.jpa.repository.config.JpaRepositoryConfigDelegate : Bootstrapping Spring Data JPA repositories in DEFAULT mode
main[] org.springframework.data.jpa.repository.config.JpaRepositoryConfigDelegate : Finished Spring Data repository scanning in 52 ms. Found 1
main[] : Tomcat initialized with port 8080 (http)
: Starting service [Tomcat]
: Starting Servlet engine: [Apache Tomcat/10.1.28]
: Initializing Spring embedded WebApplicationContext
: Root WebApplicationContext: initialization completed in 12
Driver'. The driver is automatically registered via the SPI and
: HHH000204: Processing PersistenceUnitInfo [name: default]
: HHH000412: Hibernate ORM core version 5.5.2.final
: HHH000026: Second-level cache disabled
: No LoadTimeWeaver setup; ignoring JPA class transformer
: HikariPool-1 - Starting...
: Registered driver with driverClassName=com.mysql.jdbc.Drive
: HikariPool-1 - Added connection com.mysql.cj.jdbc.Connecti
: HikariPool-1 - Start completed.
: HHH000512: The h,5,4 version for [org.hibernate.dialect.My
: HHH000405: No JPA platform available [set 'hibernate.trans
: Initialized JPA EntityManagerFactory for persistence unit
: spring.jpa.open-in-view is enabled by default. Therefore,
: Tomcat started on port 8080 (http) with context path '/'
: Started mahasiswaApp in 1.891 seconds (process running for

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: Started mahasiswaApp in 1.891 seconds (process running for

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Success

Data Berhasil Dihapus

OK