POSTTEST 3
PEMORGRAMAN PIRANTI BEREGERAK

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Source Code:

```dart
import 'package:flutter/material.dart';

void main() {
  runApp(MyApp());
}

class Course {
  String courseName;
  String day;
  String startTime;
  String lecturer;

  Course({
    required this.courseName,
    required this.day,
    required this.startTime,
    required this.lecturer,
  });
}

class MyApp extends StatelessWidget {
  final List<Course> courses = [
    Course(
      courseName: "2109106013",
      day: "Wednesday",
      startTime: "09:10 AM",
      lecturer: "Dr. John Doe",
    ),
    Course(
      courseName: "Bramantyo",
      day: "Wednesday",
```

```
      startTime: "10:30 AM",
      lecturer: "Prof. Jane Smith",
    ),
    Course(
      courseName: "Course 3",
      day: "Wednesday",
      startTime: "01:45 PM",
      lecturer: "Dr. Michael Johnson",
    ),
    Course(
      courseName: "Course 4",
      day: "Wednesday",
      startTime: "03:20 PM",
      lecturer: "Dr. Emily Brown",
    ),
    Course(
      courseName: "Course 5",
      day: "Wednesday",
      startTime: "08:00 AM",
      lecturer: "Dr. Sarah White",
    ),
    Course(
      courseName: "Course 6",
      day: "Wednesday",
      startTime: "09:10 AM",
      lecturer: "Dr. John Doe",
    ),
    Course(
      courseName: "Course 7",
      day: "Wednesday",
      startTime: "10:30 AM",
      lecturer: "Prof. Jane Smith",
    ),
    Course(
      courseName: "Course 8",
      day: "Wednesday",
      startTime: "01:45 PM",
      lecturer: "Dr. Michael Johnson",
    ),
    Course(
      courseName: "Course 9",
      day: "Wednesday",
      startTime: "03:20 PM",
      lecturer: "Dr. Emily Brown",
    ),
```

```dart
      Course(
        courseName: "Course 10",
        day: "Wednesday",
        startTime: "08:00 AM",
        Lecturer: "Dr. Sarah White",
      ),
      // Add more courses here
    ];

  MyApp({Key? key}) : super(key: key);

  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Course Schedule App',
      theme: ThemeData(
        primarySwatch: Colors.blue,
      ),
      home: MyHomePage(courses: courses),
    );
  }
}

class MyHomePage extends StatelessWidget {
  final List<Course> courses;

  MyHomePage({required this.courses});

  @override
  Widget build(BuildContext context) {
    return Scaffold(
      appBar: AppBar(
        backgroundColor: Colors.blueGrey,
        title: Text(
          "Course Schedule",
          style: TextStyle(
              color: Colors.white, fontSize: 20, fontWeight:
FontWeight.normal),
        ),
      ),
      body: Center(
          child: ListView(
        children: [
          Container(
            // width: 360,
```

```dart
              // height: 660,
              padding: EdgeInsets.symmetric(horizontal: 10),
              decoration: BoxDecoration(
                image: DecorationImage(
                  opacity: 0.4,
                  image: NetworkImage(
                    'https://images.unsplash.com/photo-1553877522-
43269d4ea984?ixlib=rb-
4.0.3&ixid=M3wxMjA3fDB8MHxwaG90by1wYWdlfHx8fGVufDB8fHx8fA%3D%3D&auto=format&fit
=crop&w=1770&q=80'),
                  fit: BoxFit.cover,
                ),
              ),
              child: Column(
                children: [
                  Padding(padding: EdgeInsets.symmetric(vertical: 10)),
                  Text("Schedule on this week"),
                  Padding(padding: EdgeInsets.symmetric(vertical: 10)),
                  Row(
                    mainAxisAlignment: MainAxisAlignment.center,
                    children: [
                      Positioned(
                        left: 0,
                        right: 0,
                        child: Container(
                          clipBehavior: Clip.none,
                          padding: EdgeInsets.symmetric(vertical: 17),
                          width: 70,
                          height: 90,
                          decoration: BoxDecoration(
                            borderRadius: BorderRadius.circular(12),
                            border:
                                Border.all(color: Colors.grey.withOpacity(0.13)),
                            gradient: LinearGradient(
                                begin: Alignment.topLeft,
                                end: Alignment.bottomRight,
                                colors: [
                                  //begin color
                                  Colors.grey.withOpacity(0.5),
                                  //end color
                                  Colors.grey.withOpacity(0.05),
                                ]),
                          ),
                          child: Column(
                            children: [
```

```dart
                        Text(
                          "Monday",
                          style: TextStyle(fontSize: 11),
                        ),
                        //SizedBox(height: 1),
                        Text(
                          "0",
                          style: TextStyle(
                              fontSize: 25, fontWeight: FontWeight.w600),
                        )
                      ],
                    ),
                  ),
                ),
                SizedBox(
                  width: 5,
                ),
                Stack(children: [
                  Container(
                    // clipBehavior: Clip.none,
                    child: Row(
                      children: [
                        Positioned(
                          right: 100,
                          child: Container(
                            padding: EdgeInsets.symmetric(vertical: 17),
                            width: 70,
                            height: 90,
                            decoration: BoxDecoration(
                              borderRadius: BorderRadius.circular(12),
                              border: Border.all(
                                  width: 2,
                                  color: Colors.brown.withOpacity(0.93)),
                              gradient: LinearGradient(
                                  begin: Alignment.topLeft,
                                  end: Alignment.bottomRight,
                                  colors: [
                                    //begin color
                                    Colors.grey.withOpacity(0.5),
                                    //end color
                                    Colors.grey.withOpacity(0.05),
                                  ]),
                            ),
                            child: Column(
                              children: [
```

```dart
                    Text(
                      "Tuesday",
                      style: TextStyle(fontSize: 11),
                    ),
                    //SizedBox(height: 1),
                    Text(
                      "0",
                      style: TextStyle(
                          fontSize: 25,
                          fontWeight: FontWeight.w600),
                    )
                  ],
                ),
              ),
            ),
            Positioned(
              child: Container(
                padding: EdgeInsets.symmetric(vertical: 17),
                width: 80,
                height: 100,
                decoration: BoxDecoration(
                  borderRadius: BorderRadius.circular(12),
                  image: DecorationImage(
                      image: AssetImage("image/img.jpg")),
                  border: Border.all(
                      width: 2,
                      color: Colors.brown.withOpacity(0.93)),
                ),
                child: Column(
                  children: [
                    Text(
                      "Wednesday",
                      style: TextStyle(
                          fontSize: 11,
                          color:
                              Colors.white.withOpacity(0.53)),
                    ),
                    Text(
                      "10",
                      style: TextStyle(
                          fontSize: 25,
                          fontWeight: FontWeight.w600,
                          color:
                              Colors.white.withOpacity(0.53)),
                    )
```

```dart
              ],
            ),
          ),
        ),
      Positioned(
        child: Container(
          padding: EdgeInsets.symmetric(vertical: 17),
          width: 70,
          height: 90,
          decoration: BoxDecoration(
            borderRadius: BorderRadius.circular(12),
            border: Border.all(
              width: 2,
              color: Colors.brown.withOpacity(0.93)),
            gradient: LinearGradient(
              begin: Alignment.topLeft,
              end: Alignment.bottomRight,
              colors: [
                //begin color
                Colors.grey.withOpacity(0.5),
                //end color
                Colors.grey.withOpacity(0.05),
              ]),
          ),
          child: Column(
            children: [
              Text(
                "Thursday",
                style: TextStyle(fontSize: 11),
              ),
              //SizedBox(height: 1),
              Text(
                "0",
                style: TextStyle(
                  fontSize: 25,
                  fontWeight: FontWeight.w600),
              )
            ],
          ),
        ),
      ),
    ],
  ),
)
]),
```

```dart
                  SizedBox(
                    width: 5,
                  ),
                  Positioned(
                    child: Container(
                      padding: EdgeInsets.symmetric(vertical: 17),
                      width: 70,
                      height: 90,
                      decoration: BoxDecoration(
                        borderRadius: BorderRadius.circular(12),
                        border:
                            Border.all(color: Colors.grey.withOpacity(0.13)),
                        gradient: LinearGradient(
                            begin: Alignment.topLeft,
                            end: Alignment.bottomRight,
                            colors: [
                              //begin color
                              Colors.grey.withOpacity(0.5),
                              //end color
                              Colors.grey.withOpacity(0.05),
                            ]),
                      ),
                      child: Column(
                        children: [
                          Text(
                            "Friday",
                            style: TextStyle(fontSize: 11),
                          ),
                          //SizedBox(height: 1),
                          Text(
                            "0",
                            style: TextStyle(
                                fontSize: 25, fontWeight: FontWeight.w600),
                          )
                        ],
                      ),
                    ),
                  ),
                ],
              ),
              SizedBox(height: 15),
              Container(
                width: 550,
                height: 490,
                child: ListView.builder(
```

```dart
              itemBuilder: (_, i) {
                return CourseTile(course: courses[i]);
              },
              itemCount: courses.length,
            ),
          ),
          SizedBox(height: 25),
          Container(
            height: 40,
            width: 120,
            padding: EdgeInsets.all(10),
            decoration: BoxDecoration(
                color: Colors.blueGrey,
                borderRadius: BorderRadius.circular(10)),
            child: Column(children: [
              Text("New Schedule", style: TextStyle(color:
Colors.white)),
            ]),
          ),
        ],
      ),
    )),
  );
}
}

class CourseTile extends StatelessWidget {
  final Course course;

  CourseTile({required this.course});

  @override
  Widget build(BuildContext context) {
    return ListTile(
      // title: Text(course.courseName),

      subtitle: Column(
        crossAxisAlignment: CrossAxisAlignment.start,
        children: [
          Text(
            course.day + ", " + course.startTime,
            style: TextStyle(fontSize: 15, fontWeight: FontWeight.w400),
          ),
```

```dart
              SizedBox(height: 4),
              Text(
                course.courseName,
                style: TextStyle(fontSize: 17, fontWeight: FontWeight.w600),
              ),
              SizedBox(height: 4),
              Text(
                course.lecturer,
                style: TextStyle(fontSize: 15, fontWeight: FontWeight.w400),
              ),
              SizedBox(height: 12),
            ],
          ),
        );
      }
}
```

Output Program:
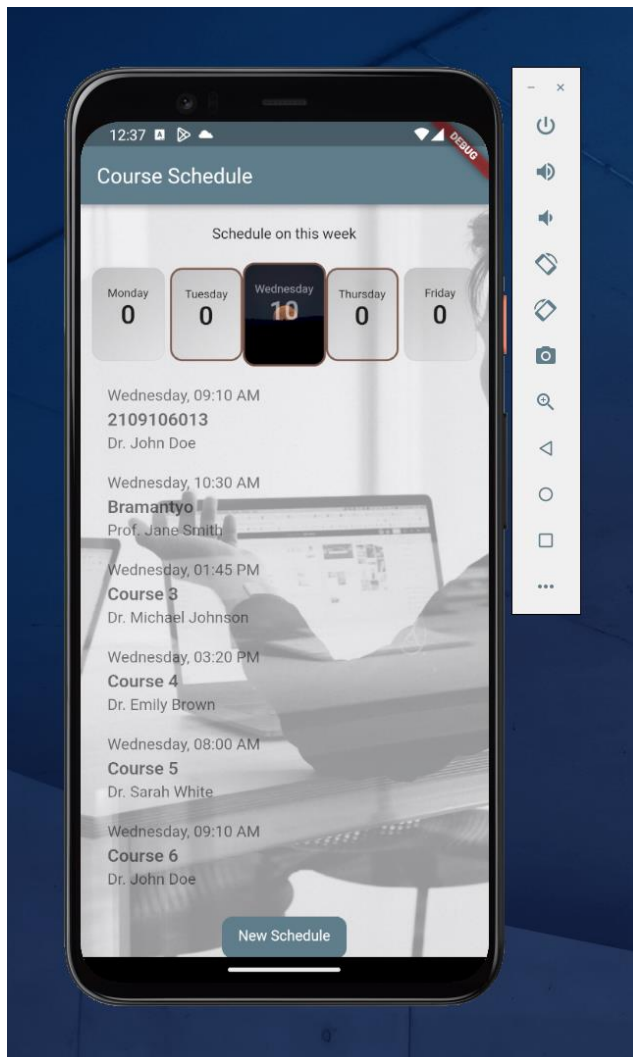
Link Video:

Deskripsi Halaman:

Halaman ini merupakan halaman *homepage* dalam *course schedule*, yang memungkinkan Pengguna untuk melihat jadwal kelas per-minggu dan mata kuliah di tiap harinya. informasi mata kuliah terdiri dari waktu, mata kuliah, dan dosen pengampu. Pengguna juga dapat menambahkan jadwal mata kuliah baru dalam daftar.