Nama : Ade Hikmat Kelas: TIF K 222B NIM: 22552011130

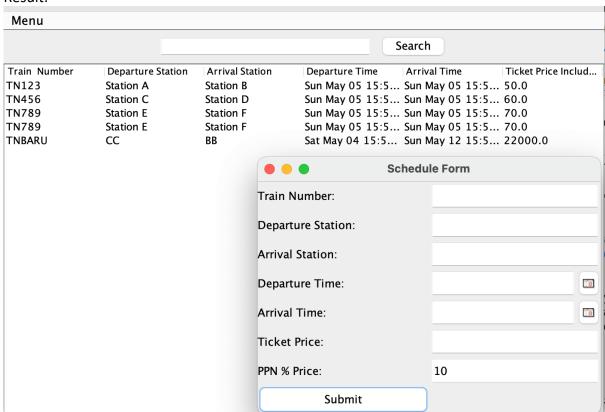
Laporan UTS PBO 2

1. Perhitungan dalam program

```
Code:
```

```
// Get values from form fields
String trainNumber = trainNumberField.getText();
String departureStation = departureStationField.getText();
String arrivalStation = arrivalStationField.getText();
Date departureTime = departureTimeChooser.getDate();
Date arrivalTime = arrivalTimeChooser.getDate();
double ticketPrice = Double.parseDouble(ticketPriceField.getText());
double ppnPrice = Double.parseDouble(ppnPriceField.getText());
double finalPrice = (ppnPrice / 100 * ticketPrice)+ticketPrice;
// Use the data as needed (e.g., save to database, etc.)
```

Result:



2. Pencarian barang

Code:

```
private void search(String query) {
   if (query.isEmpty()) {
       updateTable(this.departureSchedule.getIternaryList()); // Display the original data list
       return;
   }
   List<Itinerary> filteredList = new ArrayList<>();
   for (Itinerary itinerary : this.departureSchedule.getIternaryList()) {
       if (itinerary.getTrainNumber().toLowerCase().contains(query.toLowerCase())
                || itinerary.getDepartureStation().toLowerCase().contains(query.toLowerCase())
                || itinerary.getArrivalStation().toLowerCase().contains(query.toLowerCase())) {
           filteredList.add(itinerary);
   }
   updateTable(filteredList); // Update the table with the filtered data
```

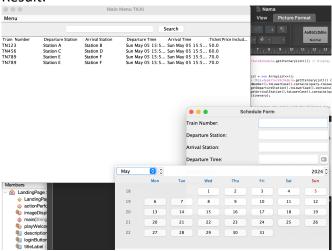
Result:

Menu					
TN1			Search		
Train Number TN123	Departure Station Station A	Arrival Station Station B	Departure Time A Sun May 05 15:5 Su	rrival Time un May 05 15:5	Ticket Price Includ 50.0

3. Calendar dan Data

```
Code:
    // Departure Time
    JLabel departureTimeLabel = new JLabel("Departure Time:");
    departureTimeChooser = new JDateChooser();
    add(departureTimeLabel);
    add(departureTimeChooser);
    // Arrival Time
    JLabel arrivalTimeLabel = new JLabel("Arrival Time:");
    arrivalTimeChooser = new JDateChooser();
    add(arrivalTimeLabel);
    add(arrivalTimeChooser);
```

Result:



4. Terdapat Gambar menarik pada Aplikasi (bisa mengunakan AWT atau Swing atau JAVA FX)

Code:

```
private void imageDisplay() {
    URL location = getClass().getResource("/KAILOGO.png");
    if (location == null) {
        System.err.println("Resource /KAILOGO.png not found.");
        return;
    }

    ImageIcon imageIcon = new ImageIcon(location);
    JLabel imageLabel = new JLabel(imageIcon);
    imageLabel.setHorizontalAlignment(JLabel.CENTER);
    imageLabel.setVerticalAlignment(JLabel.CENTER);

    // Add image label to the frame in a way that it doesn't overlap with other components add(imageLabel, BorderLayout.CENTER);

    // Make sure changes are visible revalidate();
    repaint();
}
```

Result:



KAI Application

WELCOME KAI ADMIN



Login

5. Terdapat Pengelolaan suara, Memainkan suara, Mengontrol suara Code:

Result: Ketika aplikasi di buka aka nada suara welcome audio