Nama : Joy Aloita Sembiring
NIM   : 119140036

Link Github : https://github.com/Joy119140036/Tugas3-PAM-JoyAloitaSembiring-119140036

Source Code :

1. App.js

```
import React, {Component} from 'react';

import { NavigationContainer } from '@react-navigation/native';
import {createNativeStackNavigator} from '@react-navigation/native-stack';

import Home from './src/display/Home';
import Details from './src/display/Details';

const Stack = createNativeStackNavigator();

function App() {
  return(
    <NavigationContainer>
      <Stack.Navigator initialRouteName="Home" screenOptions={{ headerShown: false }}
>
        <Stack.Screen name="Home" component={Home} />
        <Stack.Screen name="Details" component={Details} />
      </Stack.Navigator>
    </NavigationContainer>
  );
};

export default App;
```

2. Data Base.js

```
const JADWAL = [
  {
    jadwal_id: "01",
    bandara_kode_keberangkatan: "CGK",
    bandara_kode_tujuan: "TKG",
    maskapai_id: "AA",
    jadwal_keberangkatan: "14 Januari 2022",
```

```
  },
  {
    jadwal_id: "02",
    bandara_kode_keberangkatan: "TKG",
    bandara_kode_tujuan: "CGK",
    maskapai_id: "GD",
    jadwal_keberangkatan: "14 Januari 2022",
  },
  {
    jadwal_id: "03",
    bandara_kode_keberangkatan: "TKG",
    bandara_kode_tujuan: "HLP",
    maskapai_id: "BA",
    jadwal_keberangkatan: "14 Januari 2022",
  },
  {
    jadwal_id: "04",
    bandara_kode_keberangkatan: "CGK",
    bandara_kode_tujuan: "BDO",
    maskapai_id: "LA",
    jadwal_keberangkatan: "14 Januari 2022",
  },
  {
    jadwal_id: "05",
    bandara_kode_keberangkatan: "BDO",
    bandara_kode_tujuan: "CGK",
    maskapai_id: "BA",
    jadwal_keberangkatan: "14 Januari 2022",
  },
];

const MASKAPAI = [
  {
    maskapai_id: "GD",
    maskapai_nama: "Garuda",
    maskapai_logo: " ",
  },
  {
    maskapai_id: "AA",
    maskapai_nama: "Air Asia",
    maskapai_logo: " ",
  },
  {
    maskapai_id: "LA",
```

```
      maskapai_nama: "Lion air",
      maskapai_logo: " ",
    },
    {
     maskapai_id: "BA",
     maskapai_nama: "Batik air",
     maskapai_logo: " ",
    },
  ];

  const BANDARA = [
   {
    bandara_kode: "TKG",
    bandara_nama: "Radin Intan",
   },
   {
    bandara_kode: "CGK",
    bandara_nama: 'Soekarno Hatta',
   },
   {
    bandara_kode: "HLP",
    bandara_nama: "Halim Perdana Kusuma",
   },
   {
    bandara_kode: "BDO",
    bandara_nama: "Husein Sastranegara",
   },
  ];
  export {JADWAL, MASKAPAI, BANDARA}
```

3. Home.js

```
import React, {Component} from 'react';
import
{StyleSheet,Text,SafeAreaView,View,ScrollView,TextInput,TouchableOpacity,StatusBar
} from 'react-native';


const Home = ({navigation}) => {
  const [text, handleText] = React.useState({
   keberangkatan: ',
   kedatangan: ',
   tanggal: ',
  });
```

```
const getText = (nameVar) => {
  return (val) => {
    handleText({ ...text, [nameVar]: val });
    console.log(text);
  }
}


return (
  <>
    <StatusBar barStyle="hidden"/>
    <ScrollView style={styles.scrollView}>
      <SafeAreaView style={styles.container}>
        <Text style={styles.header}>Pemesanan Tiket</Text>
        <Text style={styles.headline}>Pencarian Jadwal</Text>
        <View style={styles.main}>
          <View style={styles.group}>
            <Text style={styles.title}>Bandara Asal</Text>
            <View style={styles.search}>
              <TextInput
                style={styles.input} onChangeText={getText('keberangkatan')}
                value={text.keberangkatan} placeholder="Bandara Asal"/>
            </View>
          </View>
          <View style={styles.group}>
            <Text style={styles.title}>Bandara Tujuan</Text>
            <View style={styles.search}>
              <TextInput
                style={styles.input} onChangeText={getText('kedatangan')}
                value={text.kedatangan} placeholder="Bandara Tujuan"/>
            </View>
          </View>
          <View style={styles.group}>
            <Text style={styles.title}>Tanggal Keberangkatan</Text>
            <View style={styles.search}>
              <TextInput
                style={styles.input} onChangeText={getText('tanggal')}
                value={text.tanggal} placeholder="Tanggal Keberangkatan"/>
            </View>
          </View>
          <View style={styles.group}>
            <TouchableOpacity
              style={styles.button}
              onPress={() => navigation.navigate('Details', {text})}>
```

```jsx
            <Text style={styles.buttonText}>Mari Berangkat!</Text>
          </TouchableOpacity>
        </View>
      </View>
      <Text style={styles.copyright}>Joy Aloita Sembiring - 119140036</Text>
    </SafeAreaView>
    </ScrollView>
  </>
  );
};

const styles = StyleSheet.create({
  container: {
    flex: 1,
  },
  scrollView: {
    backgroundColor: '#F1C40F',
  },
  header: {
    color: '#fff',
    fontSize: 45,
    fontWeight: 'bold',
    letterSpacing: 5,
    textAlign: 'center',
    marginTop: 20,
  },
  headline: {
    color: '#fff',
    fontSize: 18,
    letterSpacing: 1,
    textAlign: 'center',
    marginBottom: 20,
  },
  main: {
    margin: 35,
    marginTop: 65,
    backgroundColor: '#fff',
    borderRadius: 35,
    paddingVertical: 25,
    paddingHorizontal: 15,
    marginVertical: 95,
  },
  group: {
    marginBottom: 25,
```

```
  },
  search: {
    marginLeft:15,
    flexDirection: 'row',
    justifyContent: 'center',
    alignItems: 'center',
  },
  iconcalendar: {
    paddingRight: 5,
  },
  title: {
    marginLeft: 10,
    marginBottom: 5,
    fontSize: 15,
    fontWeight: 'bold',
    color: '#e84f1f',
  },
  input: {
    borderWidth: 1,
    borderColor: '#283593',
    borderRadius: 45,
    color: '#283593',
    marginHorizontal: 10,
    paddingHorizontal: 10,
    paddingVertical: 5,
    height: 35,
    width: 245,
    flex: 1,
  },
  button: {
    backgroundColor: '#C6ED25',
    borderRadius: 435,
    marginHorizontal: 45,
    paddingVertical: 5,
    elevation: 3,
  },
  buttonText: {
    color: '#fff',
    textAlign: 'center',
    fontWeight: 'bold',
    fontSize: 15,
  },
  copyright: {
    color: '#fff',
```

```
    textAlign: 'center',
    marginTop: 50,
  },
});

export default Home;
```

4. Komponen Details.js

```
    import React, { Component } from 'react';
import {StyleSheet, Text, SafeAreaView, TouchableOpacity, StatusBar, View, FlatList,}
from 'react-native';


import { JADWAL, MASKAPAI, BANDARA } from '../database/db.js';

const Details = ({ route, navigation }) => {
  const data = route.params.text;
  const kedatanganId = BANDARA.find(item => item.bandara_nama ===
data.kedatangan).bandara_kode;
  const keberangkatanId = BANDARA.find(item => item.bandara_nama ===
data.keberangkatan).bandara_kode;
  const listAirplane = JADWAL.filter(item =>
    item.bandara_kode_keberangkatan === keberangkatanId &&
    item.bandara_kode_tujuan === kedatanganId &&
    item.jadwal_keberangkatan === data.tanggal);
  console.log(listAirplane);

  return (
   <>
     <StatusBar barStyle="hidden"/>
     <SafeAreaView style={styles.container}>
       <View style={styles.topNavigation}>
         <View style={styles.back}>
           <TouchableOpacity style={styles.button} onPress={() =>
navigation.navigate('Home')}>
             <Text style={styles.buttonText}>Kembali</Text>
           </TouchableOpacity>
         </View>
         <View>
           <Text style={styles.header}>Pemesanan Tiket</Text>
           <Text style={styles.headline}>Pencarian Jadwal</Text>
         </View>
```

```jsx
        </View>
        <View style={styles.main}>
          <Text style={styles.search}>Hasil Pencarian</Text>
        </View>
        <FlatList
          data={listAirplane}
          renderItem={(({ item }) => (
            <View style={styles.card}>
              <TouchableOpacity style={styles.Details}>
                <View style={styles.airport}>
                  <Text style={styles.text}>
                    {BANDARA.find(theItem => theItem.bandara_kode ===
item.bandara_kode_keberangkatan).bandara_nama}
                  </Text>
                  <Text style={styles.text}>
                    {BANDARA.find(theItem => theItem.bandara_kode ===
item.bandara_kode_tujuan).bandara_nama}
                  </Text>
                </View>
                <View style={styles.time}>
                  <View style={styles.maskapai}>
                    <Text style={styles.text}>
                      {MASKAPAI.find(theItem => theItem.maskapai_id ===
item.maskapai_id).maskapai_nama}
                    </Text>
                  </View>
                  <Text style={styles.text}>
                    {item.jadwal_keberangkatan}
                  </Text>
                </View>
              </TouchableOpacity>
            </View>
          )}
          keyExtractor={item => item.jadwal_id}
        >

        </FlatList>

        <Text style={styles.copyright}>Joy Aloita Sembiring - 119140036</Text>
      </SafeAreaView>

    </>
  );
}
```

```
const styles = StyleSheet.create({
  container: {
    flex: 1,
  },
  topNavigation: {
    backgroundColor: '#F1C40F',
    borderBottomRightRadius: 45,
    borderBottomLeftRadius: 45,
  },
  button: {
    backgroundColor: '#C6ED25',
    borderRadius: 35,
    elevation: 2,
    marginTop: 35,
    marginHorizontal: 35,
  },
  buttonText: {
    color: '#1C5989',
    textAlign: 'center',
    fontWeight: 'bold',
    fontSize: 15,
  },
  header: {
    color: '#fff',
    fontSize: 25,
    fontWeight: 'bold',
    letterSpacing: 10,
    textAlign: 'center',
  },
  headline: {
    color: '#fff',
    fontSize: 17,
    letterSpacing: 1,
    textAlign: 'center',
    marginBottom: 35,
  },
  search: {
    color: '#000',
    textAlign: 'center',
    fontSize: 17,
    marginVertical: 15,
  },
  card: {
```

```
    marginHorizontal: 25,
  },
  Details: {
    backgroundColor: '#F1C40F',
    padding: 15,
    borderRadius: 20,
    marginBottom: 15,
    elevation: 10,
  },
  airport: {
    flexDirection: "row",
    justifyContent: "space-between",
    marginBottom: 15,
  },
  time: {
    flexDirection: "row",
    justifyContent: "space-between",
  },
  maskapai: {
    flexDirection: "row",
    justifyContent: "space-between",
  },
  iconPlane: {
    marginRight: 10,
  },
  text: {
    color: '#fff',
    fontSize: 15,
  },
  copyright: {
    color: '#283593',
    textAlign: 'center',
    marginTop: 10,
    marginBottom: 25,
  },
});


export default Details;
```