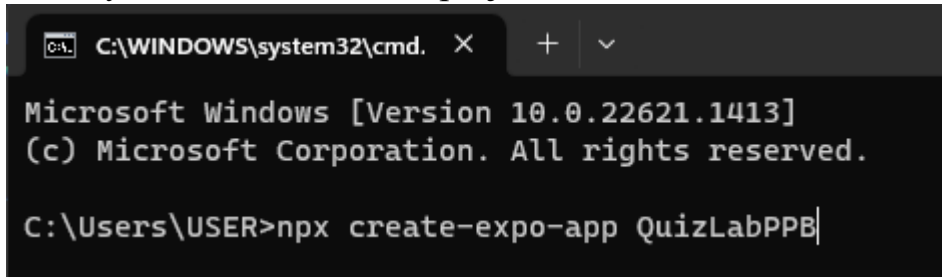


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## Quiz Lab. Pemrograman Perangkat Bergerak

1. Tulis syntax untuk membuat project react native di cmd

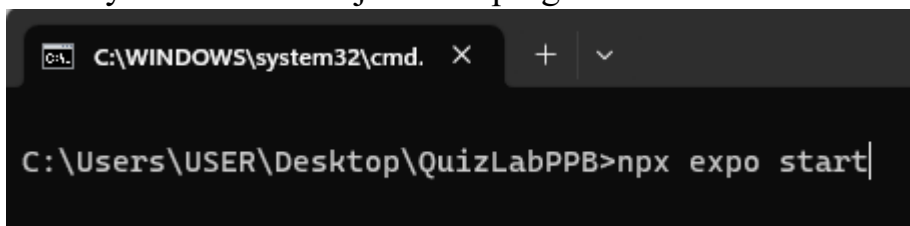


```
C:\WINDOWS\system32\cmd. X + v

Microsoft Windows [Version 10.0.22621.1413]
(c) Microsoft Corporation. All rights reserved.

C:\Users\USER>npx create-expo-app QuizLabPPB|
```

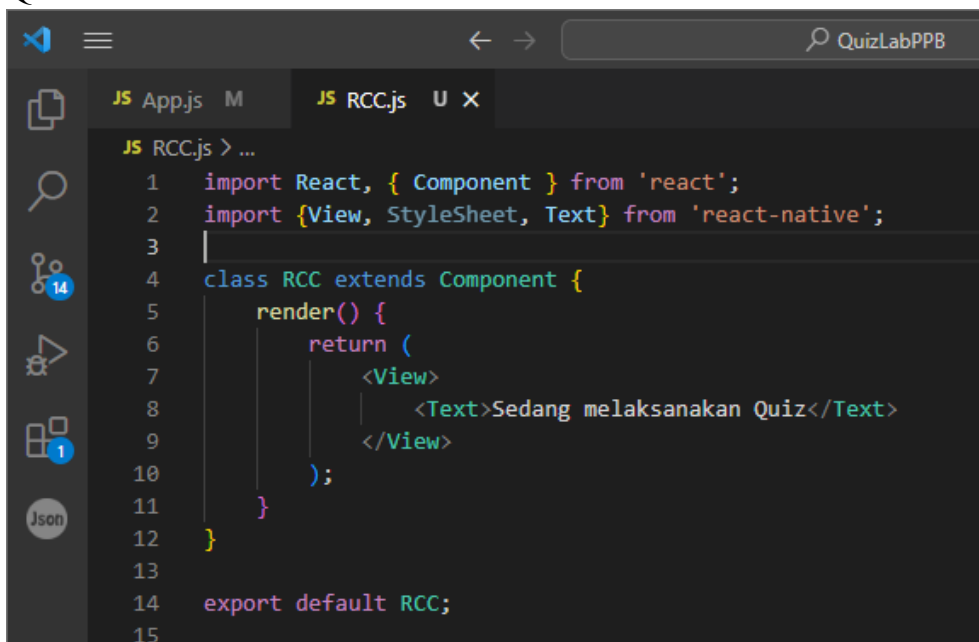
2. Tulis syntax untuk menjalankan program react native



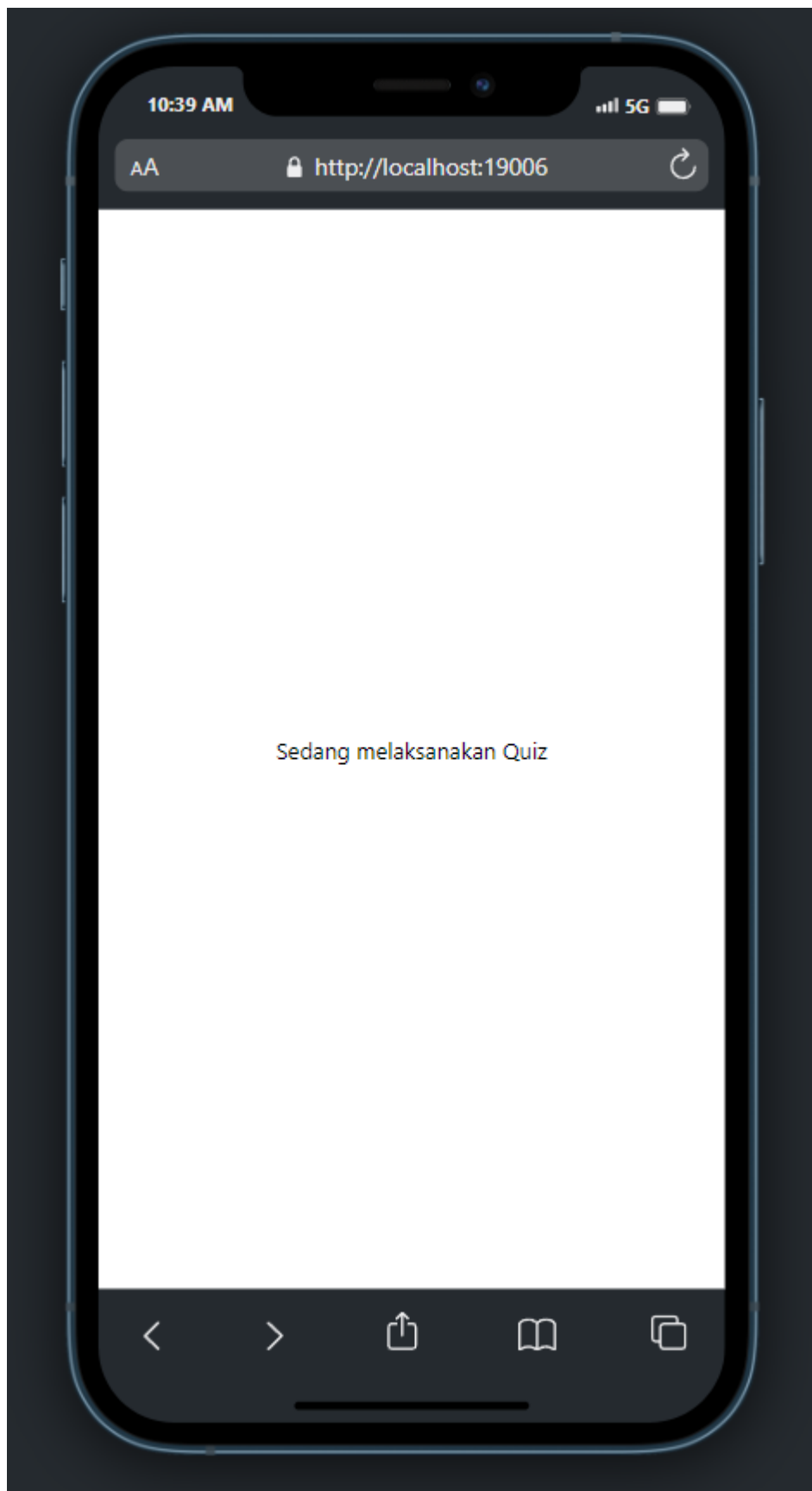
```
C:\WINDOWS\system32\cmd. X + v

C:\Users\USER\Desktop\QuizLabPPB>npx expo start|
```

3. Buat 1 buah file rcc yang menampilkan output “Sedang melaksanakan Quiz”

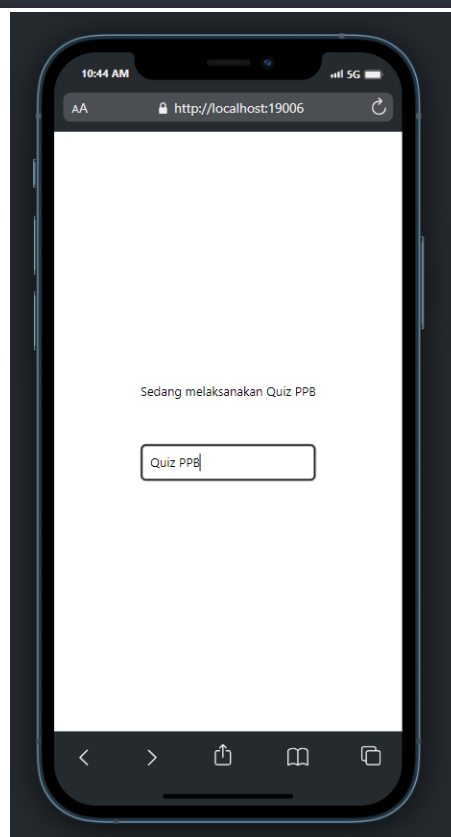
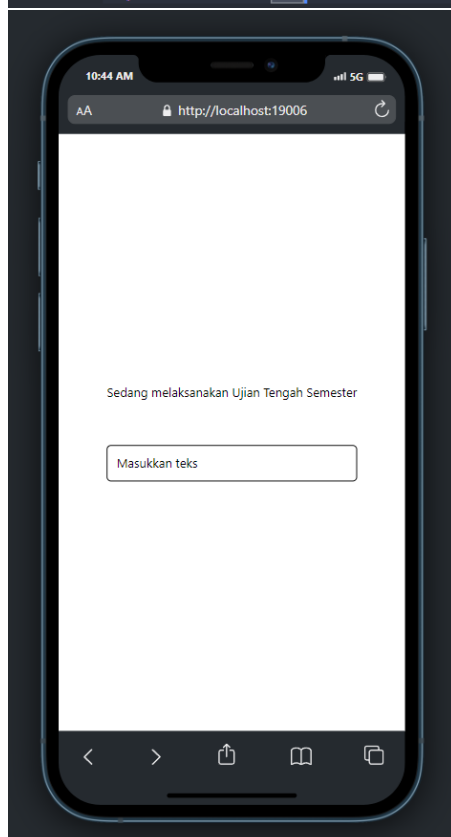


```
JS App.js M JS RCC.js U X
JS RCC.js > ...
1 import React, { Component } from 'react';
2 import {View, StyleSheet, Text} from 'react-native';
3
4 class RCC extends Component {
5   render() {
6     return (
7       <View>
8         <Text>Sedang melaksanakan Quiz</Text>
9       </View>
10     );
11   }
12 }
13
14 export default RCC;
15
```



4. Buat form yang mampu mengubah output pada nomor 3 menjadi sesuai yang diinputkan, contoh “Sedang melaksanakan Ujian Tengah Semester”  
Teks Ujian Tengah Semester Dynamic sesuai apa yang diinputkan di form

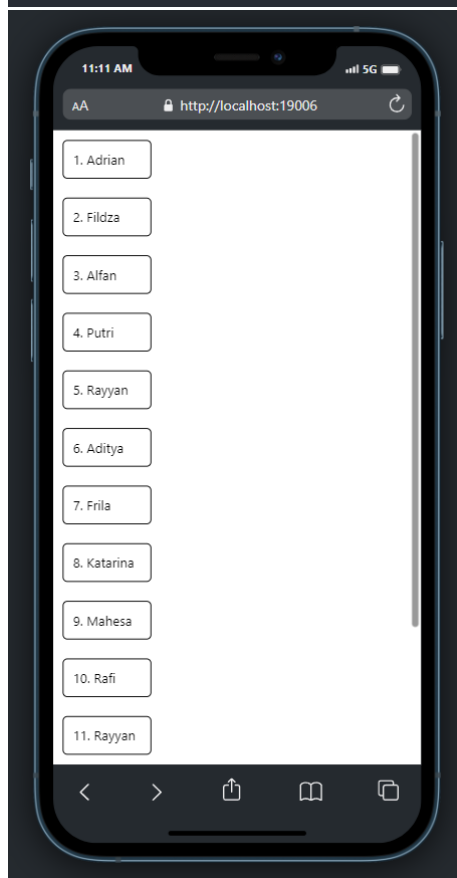
```
1 import { Text, TextInput, View } from 'react-native'
2 import React, { Component } from 'react'
3
4 export class RCC extends Component {
5   constructor(props) {
6     super(props);
7     this.state = {
8       mainText: 'Sedang melaksanakan',
9       subText: 'Ujian Tengah Semester'
10    }
11  }
12
13  render() {
14    return (
15      <View>
16        <View>
17          <Text>{this.state.mainText} {this.state.subText}</Text>
18        </View>
19        <View style={{ marginTop: 40 }}>
20          <TextInput
21            placeholder='Masukkan teks'
22            onChangeText={({text}) => this.setState({ subText: text })}
23            style={{ borderWidth: 1, borderRadius: 5, padding: 10, marginTop: 10 }} />
24          </View>
25        </View>
26      )
27    }
28  }
29
30 export default RCC
```



## 5. Buat script masing-masing satu tentang ScrollView, FlatList dan Section List

- ScrollView

```
Appjs U | ListScrollView.js U X | Users.js U
1 import { ScrollView, Text, View } from 'react-native';
2 import React from 'react'
3
4 const ListScrollView = ({ Users }) => {
5   return (
6     <ScrollView style={{ paddingHorizontal: 10 }}>
7       {Users.map((v, index) => (
8         <View key={index} style={{ borderWidth: 1, borderRadius: 5, padding: 10, marginVertical: 10 }}>
9           <Text>{v.id}. {v.name}</Text>
10        </View>
11      ))}
12    </ScrollView>
13  )
14 }
15
16 export default ListScrollView
```



- FlatList

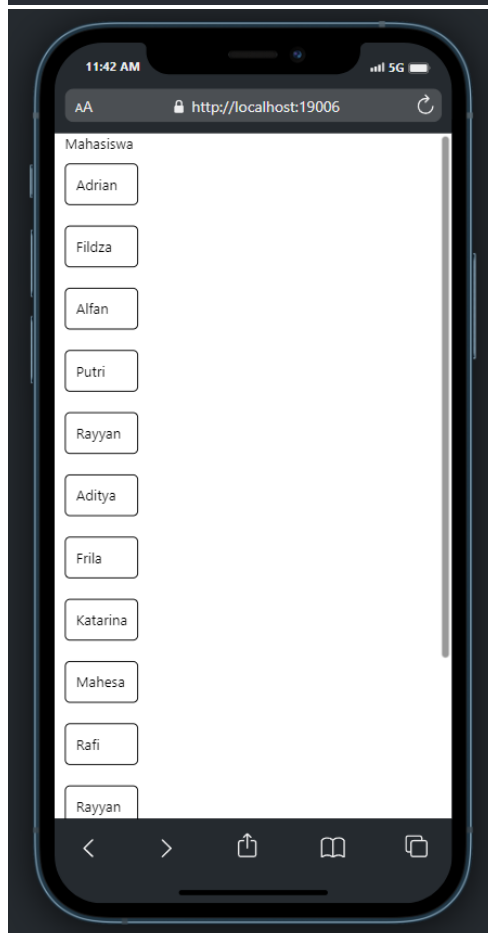
```
App.js  ListScrollView.js  ListFlatList.js  Users.js

1 import { View, Text, FlatList } from 'react-native'
2 import React from 'react'
3
4 const ListFlatList = ({ Users }) => {
5   return (
6     <FlatList
7       data={Users}
8       renderItem={({ item }) => <Item name={item.name} />}
9       keyExtractor={item => item.id}
10      style={{ paddingHorizontal: 10 }}
11    />
12  )
13 }
14
15 const Item = ({ name }) => (
16   <View style={{ borderWidth: 1, borderRadius: 5, padding: 10, marginVertical: 10 }}>
17     <Text>{name}</Text>
18   </View>
19 )
20 export default ListFlatList
```



- SectionList

```
App.js U ListScrollView.js U ListFlatList.js U ListSectionList.js U X Users.js U
1 import { View, Text, SectionList } from 'react-native'
2 import React from 'react'
3
4 const ListSectionList = ({ Users }) => {
5   const data = [{ title: 'Mahasiswa', data: Users }]
6   return (
7     <SectionList sections={data}
8       renderItem={({ item }) => <UserItem item={item} />
9       renderSectionHeader={({ section: { title } }) => (
10         <Text>{title}</Text>
11       )}
12       style={{ paddingHorizontal: 10 }}
13     />
14   )
15 }
16
17 const UserItem = ({ item }) => (
18   <View style={{ borderWidth: 1, borderRadius: 5, padding: 10, marginVertical: 10 }}>
19     <Text>{item.name}</Text>
20   </View>
21 )
22 export default ListSectionList
```



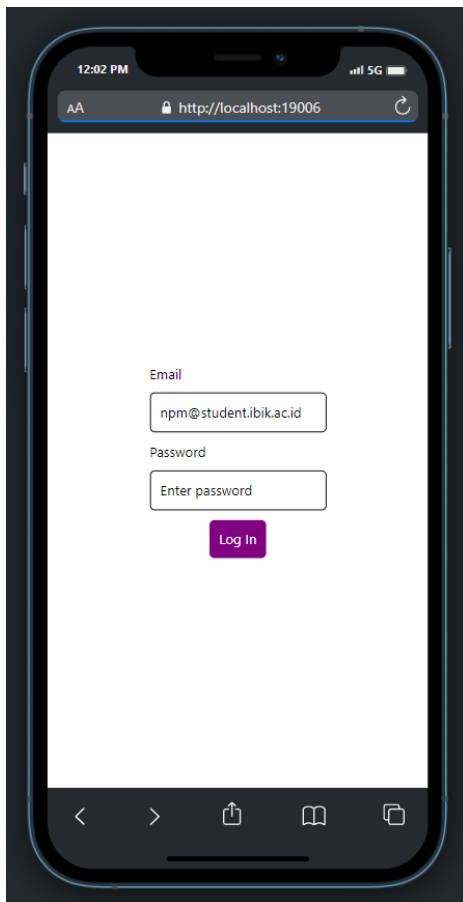
6. Buat form login yang sudah ada validasinya dan jika klik akan pindah ke menu home

```
js U    SignIn.js U X    Home.js U
import { View, Text, TextInput, TouchableOpacity } from 'react-native'
import React, { useState } from 'react'

const SignIn = ({ navigation }) => {
  const [email, setEmail] = useState("")
  const [password, setPassword] = useState("")
  const [validEmail, setValidEmail] = useState("")
  const handlerEmail = (value) => {
    if (value) {
      setValidEmail("")
    } else {
      setValidEmail("This field is required")
    }
  }
}

return (
  <View style={{ flex: 1, alignItems: 'center', justifyContent: 'center' }}>
    <View style={{ marginBottom: 10 }}>
      <Text>Email</Text>
      <TextInput
        placeholder='npm@student.ibik.ac.id'
        keyboardType='email-address'
        autoCorrect={false}
        autoCapitalize='none'
        defaultValue={email}
        onChangeText={(text) => handlerEmail(text)}
        style={{ borderWidth: 1, borderRadius: 5, padding: 10, marginTop: 10 }}
      />
      <Text>{validEmail}</Text>
    </View>
    <View style={{ marginBottom: 10 }}>
      <Text>Password</Text>
      <TextInput
        secureTextEntry={true}
        placeholder='Enter password'
        autoCorrect={false}
        defaultValue={password}
        onChangeText={(text) => setPassword(text)}
        style={{ borderWidth: 1, borderRadius: 5, padding: 10, marginTop: 10 }}
      />
    </View>
    <TouchableOpacity onPress={() => navigation.navigate('home')}>
      <View style={{ borderRadius: 5, backgroundColor: 'purple', padding: 10 }}>
        <Text style={{ color: 'white' }}>Log In</Text>
      </View>
    </TouchableOpacity>
  </View>
)
}

export default SignIn
```

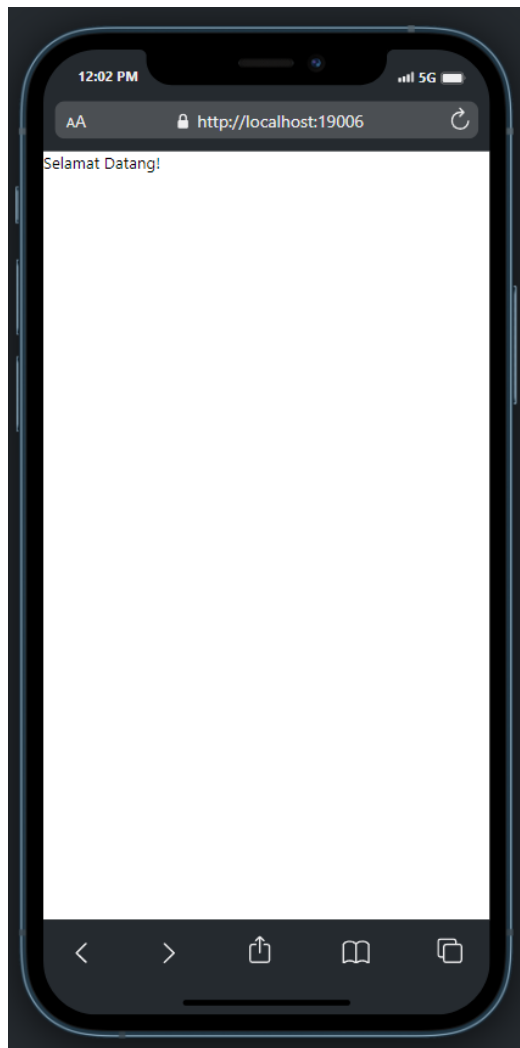


```
SignIn.js U x    Home.js U x
import { View, Text } from 'react-native'
import React from 'react'

const Home = () => {
  return (
    <View>
      <Text>Selamat Datang!</Text>
    </View>
  )
}

export default Home
```

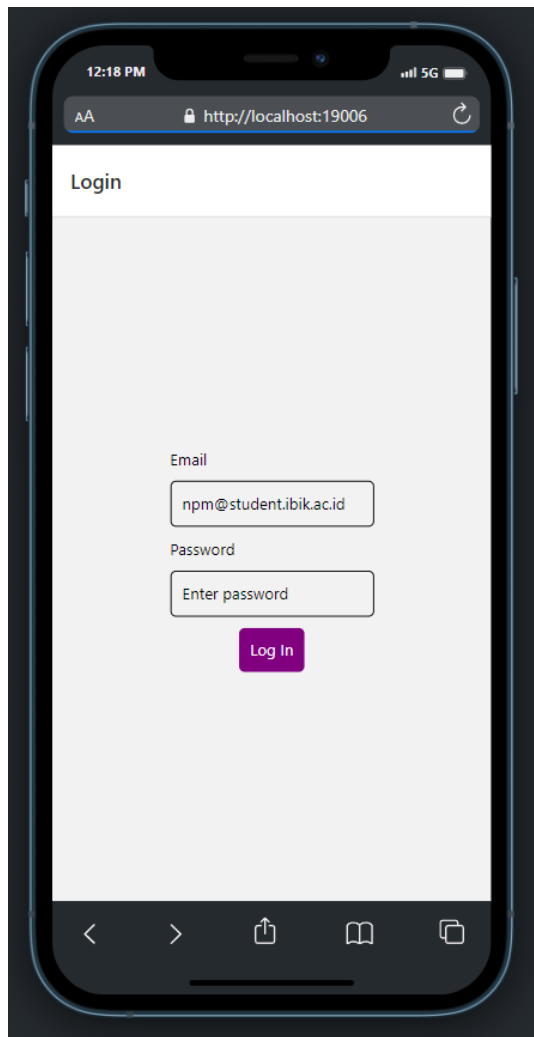




## 7. Buat contoh navigasi masing masing 1

```
import { StatusBar } from 'expo-status-bar';
import { FlatList, ScrollView, StyleSheet, Text, View } from 'react-native';
import RCC from './components/RCC';
import ListScrollView from './components/ListScrollView';
import { Users } from './components/Users';
import ListFlatList from './components/ListFlatList';
import ListSectionList from './components/ListSectionList';
import SignIn from './components/SignIn';
import Home from './components/Home';
import { NavigationContainer } from '@react-navigation/native';
import { createNativeStackNavigator } from '@react-navigation/native-stack';

export default function App() {
  const Stack = createNativeStackNavigator();
  return (
    <NavigationContainer>
      <Stack.Navigator>
        <Stack.Screen
          name='LOGIN'
          component={SignIn}
          options={{ title: 'Login' }}
        />
        <Stack.Screen
          name='home'
          component={Home}
        />
      </Stack.Navigator>
    </NavigationContainer>
  );
}
```



```

js U x About.js U SignIn.js U
import { StatusBar } from 'expo-status-bar';
import { FlatList, ScrollView, StyleSheet, Text, View } from 'react-native';
import RCC from './components/RCC';
import ListScrollView from './components/ListScrollView';
import { Users } from './components/Users';
import ListFlatList from './components/ListFlatList';
import ListSectionList from './components/ListSectionList';
import SignIn from './components/SignIn';
import Home from './components/Home';
import { NavigationContainer } from '@react-navigation/native'
// import { createNativeStackNavigator } from '@react-navigation/native-stack'
import { createBottomTabNavigator } from '@react-navigation/bottom-tabs'
import About from './components/About';

export default function App() {
  const Tab = createBottomTabNavigator()
  return (
    <NavigationContainer>
      <Tab.Navigator>
        <Tab.Screen name='Home' component={Home} />
        <Tab.Screen name='About' component={About} />
      </Tab.Navigator>
    </NavigationContainer>
  )
}

```

