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1. Membuat Project baru

```
Administrator: Command Prompt
Microsoft Windows [Version 10.0.22621.1555]
(c) Microsoft Corporation. All rights reserved.

C:\Windows\System32>npx create-expo-app QuizLab
```

2. Menjalankan Project

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS D:\Tugas\PPB-TI-21-PA-212310011\QuizLab> npm start
> quizlab@1.0.0 start
> expo start

Starting project at D:\Tugas\PPB-TI-21-PA-212310011\QuizLab
Starting Metro Bundler
```



3. Membuat React Function Components yang memiliki output

```
JS Examples X JS App.js
Components > JS Examples > Example > render
1 import React, { Component } from 'react';
2
3 class Example extends Component {
4   render() {
5     return (
6       <div>
7         <p>Sedang melaksanakan Quiz</p>
8       </div>
9     );
10  }
11 }
12
13 export default Example;
14
```

Lalu Menampilkannya di Main program(App.js)

```
JS App.js > -
1 import { StatusBar } from 'expo-status-bar';
2 import { StyleSheet, Text, View } from 'react-native';
3 import Example from './Components/Example';
4
5 export default function App() {
6   return (
7     <Example />
8   );
9 }
10
11 // const styles = StyleSheet.create({
12 //   container: {
13 //     flex: 1,
14 //     backgroundColor: '#fff',
15 //     alignItems: 'center',
16 //     justifyContent: 'center',
17 //   },
18 // });
19
```

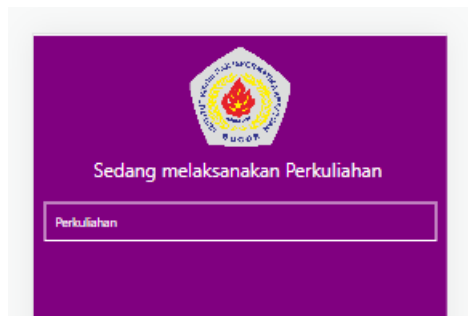
Hasil no 3

```
Sedang melaksanakan Kuis
```

4. Mengubah form output pad No 3 dan menjadi sesuai yang diinputkan

```
JS Rccjs  X JS SearchBarjs JS SScrollViewjs JS Dummyjs JS Myfriendsjs JS Appjs JS Useritemjs
Components > JS Rccjs > Rcc > constructor
1  import { Dimensions, Image, SafeAreaView, StyleSheet, Text, TextInput, View } from 'react-native';
2  import React, { Component } from 'react';
3
4  class Rcc extends Component {
5
6      constructor(props){
7          super(props);
8          this.state={
9              title:""
10         }
11     }
12
13     render() {
14         return (
15             <SafeAreaView style={styles.sv}>
16                 <View style={{ alignItems:"center" }}>
17                     <Image source={require("../assets/LOGO_IBIK.png")}
18                         style={styles.img}
19                     />
20                     <Text style={styles.txt}>
21                         Sedang melaksanakan {this.state.title}
22                     </Text>
23                 </View>
24                 <View>
25                     <TextInput style={styles.txtin} placeholder='Masukan text'
26                         defaultValue={this.state.title}
27                         onChangeText={(text)=>this.setState({title:text})}
28                     />
29                 </View>
30             </SafeAreaView>
31         )
32     }
33 }
34
35 export default Rcc;
36
37 const styles = StyleSheet.create({
38     sv:{
39         flex:1,
40         backgroundColor:"purple"
41     },
42     img:{
43         width:100,
44         height:100,
45         marginTop:10
46     },
47     txt:{
48         margin:10,
49         fontSize:19,
50         color:"white"
51     },
52     txtin:{
53         borderRadius:0,
54         margin:10,
55         padding:10,
56         border:" 2px solid white",
57         fontSize:12,
58         color:"white"
59     }
60 })
61
62
```

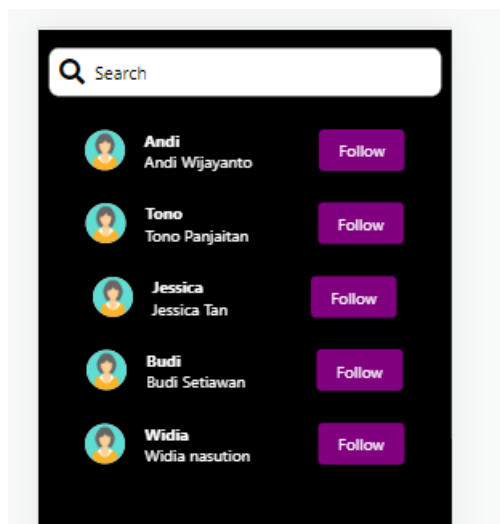
Hasil No 4



5. Scrool View

```
JS Rcc.js JS SearchBar.js JS SScrollView.js X JS Dummy.js
Src > No5 > Components > Friends > Widgets > JS SScrollView.js > ...
1 import { ScrollView, View } from "react-native";
2 import React from 'react';
3 import UserItem from "../UserItem";
4
5 const SScrollView = ({Users}) => {
6   return (
7     <ScrollView>
8       {Users.map((v,index)=>{
9         <UserItem item={v} key={index} />
10      })}
11     </ScrollView>
12   );
13 };
14
15 export default SScrollView;
16
```

Hasil No 5 ScroolView



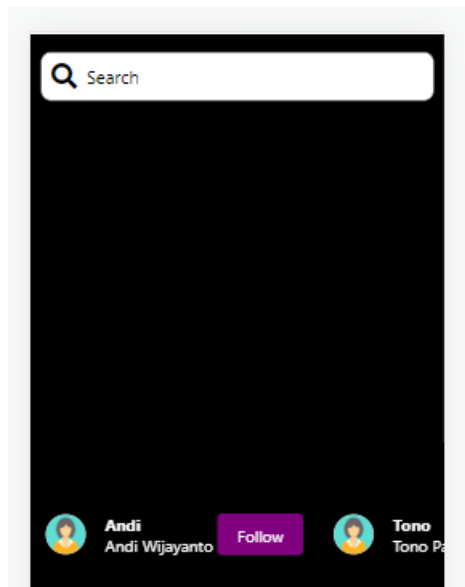
FlatList

```
JS Rcc.js JS SearchBar.js JS FFlatList.js x JS SScrollView.js JS Dummy.js JS Myfriends.js JS App.js JS UserItem.js

Src > No5 > Components > Friends > Widgets > JS FFlatList.js > FFlatList

1  import { FlatList } from "react-native";
2  import React from 'react';
3  import UserItem from "../UserItem";
4
5  const FFlatList = ({users}) => {
6    return (
7      <FlatList data={users} horizontal={true} renderItem={({item}) => <UserItem item={item} /> } />
8    )
9  }
10
11
12  export default FFlatList;
13
```

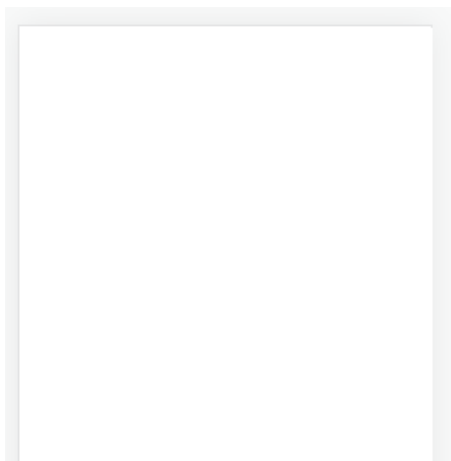
Hasil No 5 FlatList



SelectionList

```
js JS SSectionList.js X JS SScrollView.js JS Dummy.js JS Myfriends.js JS App.js JS UserItem.js
Src > No5 > Components > Friends > Widgets > JS SSectionList.js > SSectionList > <function> > color
1  import React from 'react';
2  import {Text, SectionList} from 'react-native';
3  import { Users } from '../ConstData/Dummy';
4  import UserItem from './UserItem';
5
6  const SSectionList = () => {
7    const data =[
8      { title: "Suggested", data:Users },
9      { title: "Followers", data:Users } ,
10   ];
11   return (
12     <SectionList
13       sections={data}
14       renderItem={({ item }) => <UserItem item={item} />
15       renderSectionHeader={({ sections: { title } }) =>(
16         <Text style={{ color:"white"}}> {title} </Text>
17       )}
18     />
19   );
20 };
21
22
23
24 export default SSectionList;
25
```

Hasil No 5 SectionList



6. Form Login Validasi dan pindah ke menu Home

```
JS App.js JS Login.js X .gitignore JS Home.js
Components > JS Login.js > Login
1 import React, {useState} from 'react';
2 import { TouchableOpacity, View, Text, TextInput, Pressable } from 'react-native';
3 import FontAwesome5 from "react-native-vector-icons/FontAwesome5";
4
5 const Login = ({navigation}) => {
6   const [email, setEmail] = useState("");
7   const [password, setPassword] = useState("");
8
9   const handlerValidMail= (value) => {
10     if(value){
11       setValidEmail("");
12     }
13     else{
14       validEmail("This field is required");
15     }
16   }
17
18   return (
19     // <TouchableOpacity onPress={() => navigation.navigate('Home',{name:'Andi'})}>
20     //   <View style={{ backgroundColor:"purple",padding:10,borderRadius:10,margin:10 }}>
21     //     <Text style={{ color:"white", textAlign:"center" }}>Click here to see me</Text>
22     //   </View>
23     // </TouchableOpacity>
24
25     <View style={{ padding: 20,backgroundColor: "white" }}>
26       <View style={{ marginBottom: 15 }}>
27         <Text style={{ fontWeight: "bold", marginBottom: 10,fontSize: 16 }}>Email</Text>
28         <TextInput
29           placeholder="npm@student.ibik.ac.id"
30           keyboardType="email-address"
31           autoCorrect={false}
32           autoCapitalize="none"
33           style={{ borderWidth: 1, padding:10 }}
34           defaultValue={email}
35           onChangeText={(text) =>handlerValidMail(text)}
36         />
37         <Text style={{ color:"red" }}>{validEmail}</Text>
38       </View>
39
40       <View style={{ marginBottom: 15 }}>
41         <Text style={{ fontWeight: "bold",marginBottom: 10,fontSize: 16 }}>Password</Text>
42         <View
43           style={{
44             borderWidth: 1,
45             borderColor: "grey",
46             borderRadius: 0,
47             padding: 10,
48             fontSize: 16,
49             color: "black",
50             flexDirection: "row",
51             justifyContent:"space-between"
52           }}
53         >
```

```

JS App.js JS Login.js X .gitignore JS Home.js
Components > JS Login.js > Login
53 >
54 <TextInput
55   secureTextEntry={true}
56   placeholder="Enter your password"
57   autoCorrect={false}
58   style={{ borderWidth: 1,
59     borderColor: "grey",
60     borderRadius: 0,
61     padding: 10,
62     fontSize: 16,
63     color: "black",
64     borderWidth: 0,
65     padding: 0,
66     width: "90%" }}
67   defaultValue={password}
68   onChangeText={(text) => setPassword(text)}
69 >
70 <Pressable>
71   <FontAwesome5 name="eye" size={25} color="black" />
72 </Pressable>
73 </View>
74 </View>
75 <TouchableOpacity style={{
76   backgroundColor: "black",
77   paddingVertical: 15,
78   paddingHorizontal: 10,
79   borderRadius: 0,
80   marginTop: 15 }}
81   onPress={() => navigation.navigate('Home')}>
82   <Text style={{ color: "white", textAlign: "center", fontSize: 16 }}>Sign in</Text>
83 </TouchableOpacity>
84 </View>
85 );
86 };
87
88 export default Login;
89
90 // const styles = StyleSheet.create({
91 //   container: {
92 //     padding: 20, backgroundColor: "white",
93 //   },
94 //   frm_row: { marginBottom: 15,
95 //   },
96 //   text_label: {
97 //     fontWeight: "bold",
98 //     marginBottom: 10,
99 //     fontSize: 16,
100 //   },
101 //   text_input: {
102 //     borderWidth: 1,
103 //     borderColor: "grey",
104 //     borderRadius: 5,
105 //     padding: 10,
106 //     fontSize: 16,
107 //     color: "purple",

```

Hasil no 6 Form

The image shows two mobile application screens. The left screen is a 'Login' form with a title 'Login'. It contains two input fields: 'Email' with the text 'npm@student.ibik.ac.id' and 'Password' with the placeholder 'Enter your password'. There is an eye icon for password visibility and a 'Sign in' button at the bottom. The right screen is a 'Home' screen with a title 'Home' and a back arrow icon. The main content area is a solid light gray.

7. Buatlah contoh Navigasi masing masing 1

```
JS App.js  X  {...} app.json  JS Page1.js  JS Page2.js
JS App.js > ...
1  import React from 'react';
2  import { Text, View } from 'react-native';
3  import { NavigationContainer } from '@react-navigation/native';
4  import { createBottomTabNavigator } from '@react-navigation/bottom-tabs';
5  import Page1 from './Components/Page1';
6  import Page2 from './Components/Page2';
7
8
9  const Tab = createBottomTabNavigator();
10
11  export default function App() {
12    return (
13      <NavigationContainer>
14        <Tab.Navigator>
15          <Tab.Screen name="Page1" component={Page1} />
16          <Tab.Screen name="Page2" component={Page2} />
17        </Tab.Navigator>
18      </NavigationContainer>
19    );
20  }
```



```
JS App.js JS Page1.js X JS Page2.js
Components > JS Page1.js > [🔍] Page1
1
2 import { View,Text,Button } from 'react-native';
3 import React from 'react';
4
5 const Page1 = ({navigation}) => {
6   return (
7     <View style={{ flex: 1, justifyContent: 'center', alignItems: 'center' }}>
8       <Text>Ini adalah Page1</Text>
9       /* <Button
10         title="Go to Page2"
11         onPress={() => navigation.navigate('Page2')}
12       /> */
13     </View>
14   );
15 }
16
17 export default Page1;
18
```

```
JS App.js JS Page1.js JS Page2.js X
Components > JS Page2.js > [🔍] Page2
1 import { View,Text,Button } from 'react-native';
2 import React from 'react';
3
4 const Page2 = ({navigation}) => {
5   return (
6     <View style={{ flex: 1, justifyContent: 'center', alignItems: 'center' }}>
7       <Text>Ini adalah Page2</Text>
8       /* <Button title="Go to Page1" onPress={() => navigation.navigate('Page1')} /> */
9     </View>
10   );
11 }
12
13 export default Page2;
```

