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## QUIZ

### 1. Buat project react native

```
C:\Windows\System32\cmd.exe
Microsoft Windows [Version 10.0.22621.1413]
(c) Microsoft Corporation. All rights reserved.

C:\LAB PPB 1>npx create-expo-app Quiz
/ Downloaded and extracted project files.
> npm install
npm WARN deprecated @npmcli/move-file@1.1.2: This functionality has been moved to @npmcli/fs
npm WARN deprecated source-map-url@0.4.1: See https://github.com/lydell/source-map-url#deprecated
npm WARN deprecated urix@0.1.0: Please see https://github.com/lydell/urix#deprecated
npm WARN deprecated source-map-resolve@0.5.3: See https://github.com/lydell/source-map-resolve#deprecated
npm WARN deprecated resolve-url@0.2.1: https://github.com/lydell/resolve-url#deprecated
npm WARN deprecated uuid@3.4.0: Please upgrade to version 7 or higher. Older versions may use Math.random() in certain circumstances, which is known to be problematic. See https://v8.dev/blog/math-random for details.
npm WARN deprecated uglify-es@3.3.9: support for ECMAScript is superseded by 'uglify-js' as of v3.13.0

added 1216 packages, and audited 1217 packages in 46s

61 packages are looking for funding
  run `npm fund` for details

14 high severity vulnerabilities

To address issues that do not require attention, run:
  npm audit fix

To address all issues (including breaking changes), run:
  npm audit fix --force

Run `npm audit` for details.

✔ Your project is ready!

To run your project, navigate to the directory and run one of the following npm commands.


- cd Quiz
- npm run android
- npm run ios # you need to use macOS to build the iOS project - use the Expo app if you need to do iOS development without a Mac
- npm run web
```

### 2. Jalankan project react native

```
C:\WINDOWS\system32\cmd.exe
- npm run android
- npm run ios # you need to use macOS to build the iOS project - use the Expo app if you need to do iOS development without a Mac
- npm run web

C:\LAB PPB 1>cd Quiz
C:\LAB PPB 1\Quiz>code .

C:\LAB PPB 1\Quiz>npx expo start
Starting project at C:\LAB PPB 1\Quiz
Starting Metro Bundler



> Metro waiting on exp://192.168.1.7:19080
> Scan the QR code above with Expo Go (Android) or the Camera app (iOS)

> Press a | open Android
> Press w | open web

> Press j | open debugger
> Press r | reload app
> Press m | toggle menu

> Press ? | show all commands

Logs for your project will appear below. Press Ctrl+C to exit.
```

### 3. Buat file RCC

```
JS No3.js U X JS App.js M
components > JS No3.js > ...
1  import React, { Component } from 'react'
2  import { SafeAreaView } from 'react-native'
3  import { Text, View } from 'react-native'
4
5  export default class No3 extends Component {
6    render() {
7      return (
8        <SafeAreaView>
9          <View style={{ marginTop: 100 }}>
10             <Text>
11               Sedang Belajar
12             </Text>
13           </View>
14         </SafeAreaView>
15       )
16     }
17   }
18 }
19
```

16:00



Sedang Belajar

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

```
JS No3.js U JS No4.js U X JS App.js M
components > JS No4.js > [0] No4 > ↻ marginTop
1  import { View, Text } from 'react-native'
2  import React, { useState } from 'react'
3  import { SafeAreaView } from 'react-native';
4  import { TextInput } from 'react-native';
5
6  const No4 = () => {
7    const [title, setTitle] = useState("Sedang Belajar");
8    return (
9      <SafeAreaView>
10     <View style={{ marginTop: 100 }}>
11       <Text>{title}</Text>
12     </View>
13     <View>
14       <Text> Ubah Teks </Text>
15       <TextInput
16         placeholder="Ketik teks disini"
17         defaultValue={title}
18         onChangeText={(text) => setTitle(text)}
19         style={{ borderRadius: 5, borderWidth: 2, paddingHorizontal: 10 }}
20       />
21     </View>
22   </SafeAreaView>
23
24 )
25 }
26
27 export default No4
```

16:19   

   43

Sedang Belajar

Ubah Teks

Sedang Belajar

16:19   

   43

Sedang Libur

Ubah Teks

Sedang Libur

5. Buat script masing-masing satu tentang Scroll View, Flatlist, dan Section List

src > components > Friends > widgets > JS UserItems.js > UserItems

```
1  import React from "react";
2  import { View, Text, Image, TouchableOpacity, StyleSheet } from "react-native";
3
4  const UserItems = ({ item }) => {
5    return (
6      <View style={styles.search_container}>
7        <View style={styles.search_account}>
8          /* <Image
9            source={require("../assets/profile.png")}
10             style={styles.story_ava}
11          */>
12          <View>
13            <Text style={{ ...styles.story_name, fontWeight: "bold" }}>
14              {item.name}
15            </Text>
16            <Text style={styles.story_name}>{item.fullname}</Text>
17          </View>
18        </View>
19        <View>
20          <TouchableOpacity activeOpacity={0.6} style={styles.btn_follow}>
21            <Text style={styles.story_name}>Follow</Text>
22          </TouchableOpacity>
23        </View>
24      </View>
25    );
26  };
27
28  export default UserItems;
29
30  const styles = StyleSheet.create({
31    search_container: {
32      flexDirection: "row",
33      justifyContent: "space-between",
34      alignItems: "center",
35      padding: 15,
36    },
37    search_account: {
```

src > components > Friends > widgets > JS UserItems.js > [🔗] UserItems

```
26   },
27
28   export default UserItems;
29
30   const styles = StyleSheet.create({
31     search_container: {
32       flexDirection: "row",
33       justifyContent: "space-between",
34       alignItems: "center",
35       padding: 15,
36     },
37     search_account: {
38       flexDirection: "row",
39       justifyContent: "flex-start",
40       alignItems: "center",
41     },
42     story_ava: {
43       width: 40,
44       height: 40,
45       borderRadius: 100,
46       backgroundColor: "#f0f0f0",
47       marginRight: 15,
48     },
49     story_name: {
50       fontSize: 16,
51       color: "white",
52       textAlign: "left",
53     },
54     btn_follow: {
55       backgroundColor: "purple",
56       paddingHorizontal: 20,
57       paddingVertical: 10,
58       borderRadius: 5,
59     },
60   });
```

```
src > components > Friends > widgets > JS ExpScrollView.js > ...
1  import { ScrollView } from "react-native";
2  import React from "react";
3  import UserItems from "../UserItems";
4  import { Users } from "../const-data/Dummy";
5
6  const ExpScrollView = ({ Users }) => {
7    return (
8      <ScrollView>
9        {Users.map((v, index) => (
10          <UserItems item={v} key={index} />
11        ))}
12      </ScrollView>
13    );
14  };
15
16  export default ExpScrollView;
```

```
src > components > Friends > widgets > JS ExpFlatList.js > ...
1  import React from "react";
2  import { FlatList } from "react-native";
3  import UserItems from "../UserItems";
4  import { Users } from "../const-data/Dummy";
5
6  const ExpFlatList = ({ Users }) => {
7    return (
8      <FlatList
9        data={Users}
10        renderItem={({ item }) => <UserItems item={item} />}
11      />
12    );
13  };
14
15  export default ExpFlatList;
```

```

src > components > Friends > widgets > JS ExpSectionList.js > ...
1  import React from "react";
2  import { SectionList, Text } from "react-native";
3  import { Users } from "../const-data/Dummy";
4  // import { UsersNew } from "../../const-data/Dummy";
5  import UserItems from "../UserItems";
6
7  const ExpSectionList = () => {
8    const data = [
9      { title: "Suggested", data: Users },
10     { title: "Followers", data: Users },
11   ];
12   return (
13     <SectionList
14       sections={data}
15       renderItem={({ item }) => <UserItems item={item} />}
16       renderSectionHeader={({ section: { title } }) => (
17         <Text style={{ color: "white", fontSize: 16 }}>{title}</Text>
18       )}
19     />
20   );
21 };
22
23 export default ExpSectionList;

```

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



```

src > JS No6.js > [?] No6
1  import { View, Text, StyleSheet, Pressable } from 'react-native'
2  import React, { useState } from 'react'
3  import { TextInput } from 'react-native';
4  import FontAwesome5 from 'react-native-vector-icons/FontAwesome5';
5  import { TouchableOpacity } from 'react-native';
6
7  const No6 = () => {
8      const [email, setEmail] = useState("");
9      const [password, setPassword] = useState("");
10
11     const [validEmail, setValidEmail] = useState("");
12     const handlerValidMail = (value) =>{
13         if(value){
14             setValidEmail("");
15         }else{
16             setValidEmail("This field is required");
17         }
18     }
19     return (
20         <View style={styles.container}>
21             <View style={{marginTop: 50}}>
22                 <View style={styles.frm_row}>
23                     <Text style={styles.text_label}>Email</Text>
24                     <TextInput
25                         placeholder='npm@student.ibik.ac.id'
26                         keyboardType='email-address'
27                         autoCorrect={false}
28                         autoCapitalize='none'
29                         style={styles.text_input}
30                         defaultValue={email}
31                         onChangeText={(text) => handlerValidMail(text)}
32                     />
33                     <Text style={{color:'red'}}>{validEmail}</Text>
34                 </View>
35                 <View style={styles.frm_row}>
36                     <Text style={styles.text_label}>Password</Text>
37                     <View

```

```

37     <View
38       style={{
39         ...styles.text_input,
40         flexDirection:"row",
41         justifyContent:"space-between"
42       }}
43     >
44       <TextInput
45         secureTextEntry={true}
46         placeholder='Enter your Password'
47         autoCorrect={false}
48         style={{...styles.text_input, borderWidth:0, padding:0, width:'90%'}}
49         defaultValue={password}
50         onChangeText={(text) => setPassword(text)}
51       />
52       <Pressable>
53         <FontAwesome5 name='eye' size={25} color='purple' />
54       </Pressable>
55     </View>
56   </View>
57   <TouchableOpacity onPress={() => navigation.navigate('HomePage')}>
58     <View style={styles.btn_sign}>
59       <Text style={styles.btn_signin_text}>Log In</Text>
60     </View>
61   </TouchableOpacity>
62 </View>
63 </View>
64 );
65 }
66
67 const styles = StyleSheet.create({
68   container:{
69     padding:20,
70     backgroundColor:"white"
71   },
72   frm_row:{
73     marginBottom:15

```

```
src > JS No6.js > [e] No6
67 const styles = StyleSheet.create({
68   container:{
69     padding:20,
70     backgroundColor:"white"
71   },
72   frm_row:{
73     marginBottom:15
74   },
75   text_label:{
76     fontWeight:"bold",
77     marginBottom: 10,
78     fontSize: 16
79   },
80   text_input:{
81     borderWidth:1,
82     borderColor:"grey",
83     borderRadius:5,
84     padding:10,
85     fontSize:16,
86     color:'black'
87   },
88   btn_sign:{
89     backgroundColor:'purple',
90     paddingVertical:15,
91     paddingHorizontal:10,
92     borderRadius:10,
93     marginTop:15
94   },
95   btn_signin_text:{
96     color:'white',
97     textAlign:'center',
98     fontSize:16
99   }
100 })
101
102 export default No6;
```

```

src > JS HomePage.js > [0] styles > container
1  import { View, Text, Image, StyleSheet } from 'react-native'
2  import React from 'react'
3
4  const HomePage = () => {
5    return (
6      <View style={styles.container}>
7        <Image style={styles.logo} source={require('../assets/logoibik.png')}/>
8        <Text style={styles.title}>Selamat datang di IBIK</Text>
9      </View>
10    );
11  };
12
13  const styles = StyleSheet.create({
14    container: {
15      flex: 1,
16      backgroundColor: '#fff',
17      alignItems: 'center',
18      justifyContent: 'center',
19    },
20    logo: {
21      width: 150,
22      height: 150,
23      resizeMode: 'contain',
24      marginBottom: 20,
25    },
26    title: {
27      fontSize: 24,
28      fontWeight: 'bold',
29      marginBottom: 20,
30    },
31  });
32
33  export default HomePage;

```



**Selamat datang di IBIK**

**Email**

212310045@student.ibik.ac.id

**Password**

.....




Log In

## Email

This field is required

## Password


 

Log In

7. Buat contoh navigasi masing-masing 1

JS App.js > ...

```
1 import { NavigationContainer } from "@react-navigation/native";
2 import { createNativeStackNavigator } from "@react-navigation/native-stack";
3 import HomePage from './src/HomePage';
4 import No6 from './src/No6';
5
6 export default function App() {
7
8     const Stack=createNativeStackNavigator();
9     return (
10         <NavigationContainer>
11         <Stack.Navigator>
12         <Stack.Screen
13             name='LOGIN'
14             component={No6}
15             options={{title:"Login"}}
16         />
17         <Stack.Screen name='home' component={HomePage}/>
18         </Stack.Navigator>
19         </NavigationContainer>
20     );
21 }
```

JS App.js >  App

```
1 import { NavigationContainer } from "@react-navigation/native";
2 // import { createNativeStackNavigator } from "@react-navigation/native-stack";
3 import HomePage from './src/HomePage';
4 import No6 from './src/No6';
5 import { createBottomTabNavigator } from '@react-navigation/bottom-tabs';
6
7 export default function App() {
8
9     const Tab=createBottomTabNavigator();
10     return (
11         <NavigationContainer>
12         <Tab.Navigator>
13             <Tab.Screen name="home" component={HomePage}/>
14             <Tab.Screen name="page2" copoent={No6}/>
15         </Tab.Navigator>
16         </NavigationContainer>
17     );
18 }
```