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Tugas Lab. Pemrograman Perangkat Bergerak
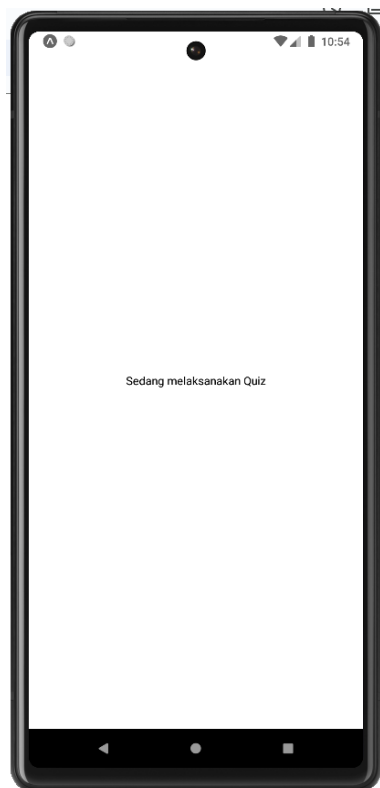## Quiz

1. `$ npx create-expo-app Quiz`

2. `$ npx expo start`

3. Code

```
Js RCC.js  U X

import { Text, TextInput, View } from 'react-native'
import React, { Component } from 'react'

export class RCC extends Component {
    render() {
        return (
            <View>
                <Text>Sedang melaksanakan Quiz</Text>
            </View>
        )
    }
}

export default RCC
```
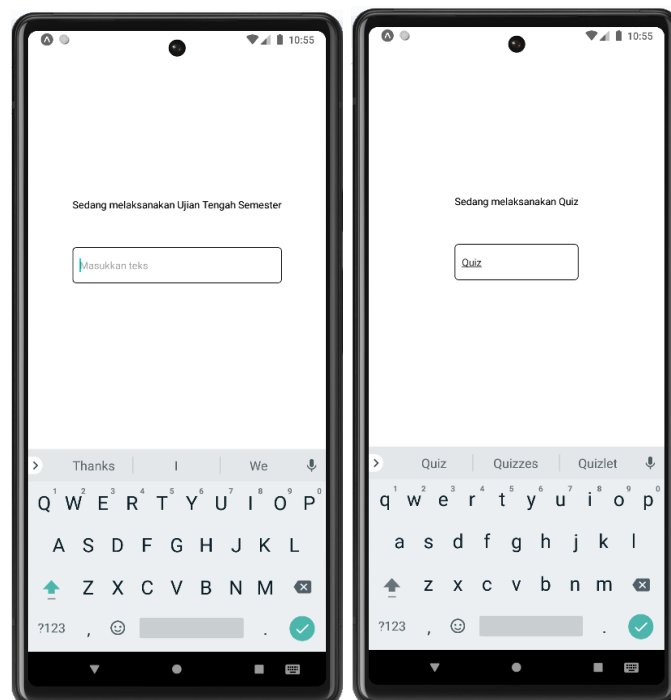
Output

4. Code

```
import { Text, TextInput, View } from 'react-native'
import React, { Component } from 'react'

export class RCC extends Component {
    constructor(props) {
        super(props);
        this.state = {
            mainText: 'Sedang melaksanakan',
            subText: 'Ujian Tengah Semester'
        }
    }

    render() {
        return (
            <View>
                <View>
                    <Text>{this.state.mainText} {this.state.subText}</Text>
                </View>
                <View style={{ marginTop: 40 }}>
                    <TextInput
                        placeholder='Masukkan teks'
                        onChangeText={(text) => this.setState({ subText: text })}
                        style={{ borderWidth: 1, borderRadius: 5, padding: 10, marginTop: 10 }} />
                </View>
            </View>
        )
    }
}

export default RCC
```
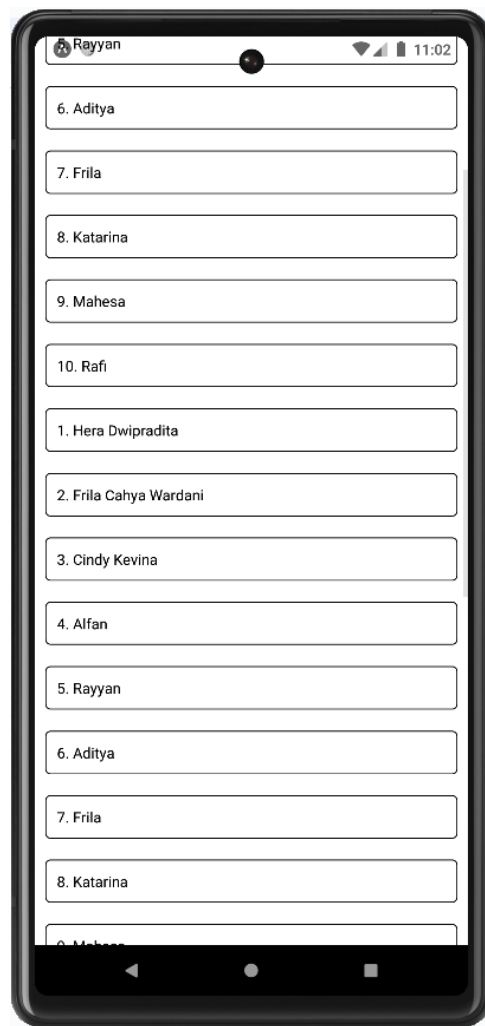
Output

5. Buat 3 View
   ● ScrollView

```jsx
import { ScrollView, Text, View } from 'react-native';
import React from 'react'


const ListScrollView = ({ Users }) => {
    return (
        <ScrollView style={{ paddingHorizontal: 10 }}>
            {Users.map((v, index) => (
                <View key={index} style={{ borderWidth: 1, borderRadius: 5, padding: 10, marginVertical:
                10 }}>
                    <Text>{v.id}. {v.name}</Text>
                </View>
            ))}
        </ScrollView>
    )
}

export default ListScrollView
```

Output

- FlatList

```jsx
import { View, Text, FlatList } from 'react-native'
import React from 'react'

const ListFlatList = ({ Users }) => {
    return (
        <FlatList
            data={Users}
            renderItem={({ item }) => <Item name={item.name} />}
            keyExtractor={item => item.id}
            style={{ paddingHorizontal: 10 }}
        />
    )
}

const Item = ({ name }) => (
    <View style={{ borderWidth: 1, borderRadius: 5, padding: 10, marginVertical: 10 }}>
        <Text>{name}</Text>
    </View>
)
export default ListFlatList
```
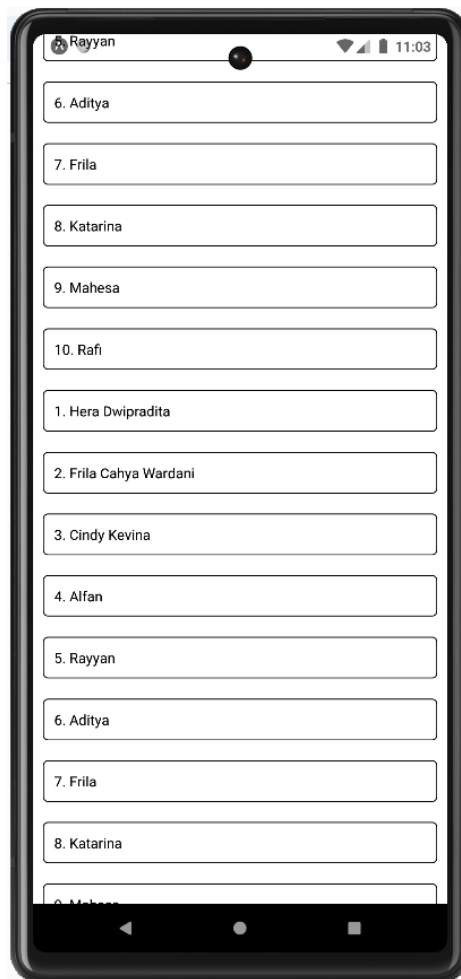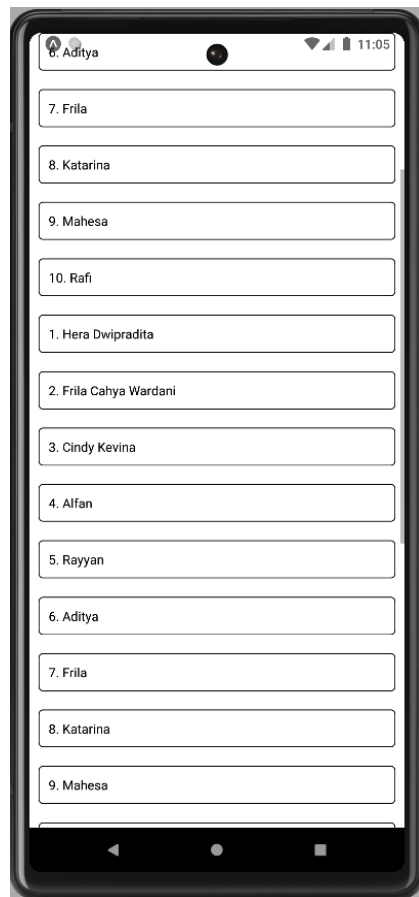
Output

- SectionList

```
import { View, Text, SectionList } from 'react-native'
import React from 'react'

const ListSectionList = ({ Users }) => {
    const data = [{ title: 'Mahasiswa', data: Users }]
    return (
        <SectionList sections={data}
            renderItem={({ item }) => <UserItem item={item} />}
            renderSectionHeader={({ section: { title } }) => (
                <Text>{title}</Text>
            )}
            style={{ paddingHorizontal: 10 }}
        />
    )
}

const UserItem = ({ item }) => (
    <View style={{ borderWidth: 1, borderRadius: 5, padding: 10, marginVertical: 10 }}>
        <Text>{item.name}</Text>
    </View>
)

export default ListSectionList
```

Output

6. Code

```
S    U      JS SignIn.js U  ✕      JS 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
```
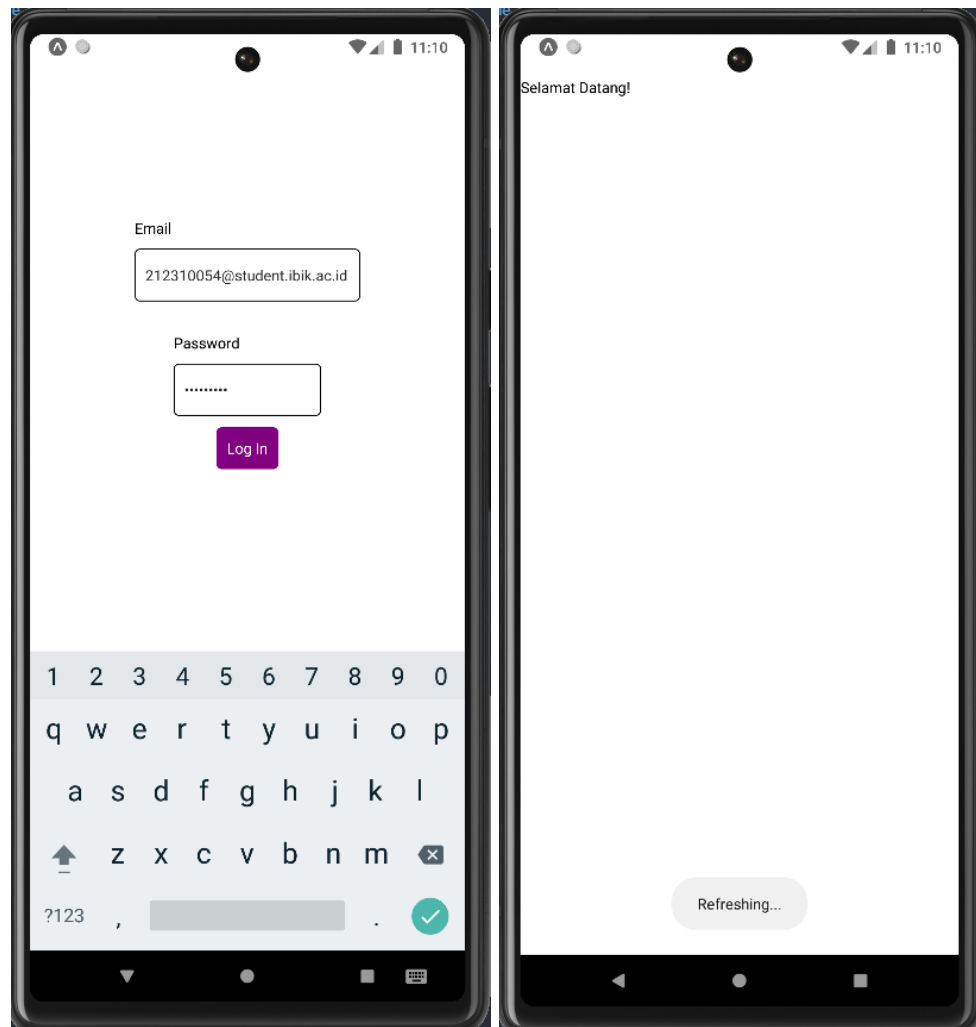
```
s   U          JS SignIn.js U        JS Home.js U  ×

import { View, Text } from 'react-native'
import React from 'react'

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

export default Home
```

Output

7. Code

```
import { StatusBar } from 'expo-status-bar';
import { StyleSheet, Text, View } from 'react-native';
import RCC from './components/RCC';
import ListScrollView from './components/ListScrollView';
import { Users } from './components/Users';
import { ScrollView } from 'react-native';
import SignIn from './components/SignIn';
import Home from './components/Home';
import About from './components/About';
import { NavigationContainer } from '@react-navigation/native';
import { createBottomTabNavigator } from '@react-navigation/bottom-tabs';

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>
  )
}
```

Output