Nama : Muhammad Alfan

NPM : 212310017

Pertemuan2 Lab. Pemograman Perangkat Bergerak

2. Penggunaan State pada RFC dan RCC

2.2 State Variable pada RFC

```javascript
import React, { Component } from "react";
import { StyleSheet, Text, View } from "react-native";
import Motorcycle from "./src/components/Motorcycle";
import Car from "./src/components/Car";
import Bicycle from "./src/components/Bicycle";

export default function App() {
  return <Motorcycle />;
  // return <Car />;
  // return <Bicycle />;
}
```

```javascript
import React from "react";
import { Text, View } from "react-native";

var name = "Home";
const Motorcycle = () => {
  return (
    <View>
      <Text>Hi i'm Motorcycle</Text>
      <Text>Merek: {name}</Text>
      <Text>Type: {types.type}</Text>
      <Text>Type: {types.model}</Text>
      <Text>Type: {types.harga}</Text>
    </View>
  );
};

export default Motorcycle;

const types = { type: "Matic", model: "Beat", harga: "19000000" };
```

```
Hi i'm Motorcycle
Merek: Home
Type: Matic
Type: Beat
Type: 19000000
```

2.3 State Variable pada RCC

```javascript
import React, { Component } from "react";
import { StyleSheet, Text, View } from "react-native";
import Motorcycle from "./src/components/Motorcycle";
import Car from "./src/components/Car";
import Bicycle from "./src/components/Bicycle";

export default function App() {
  // return <Motorcycle />;
  return <Car />;
  // return <Bicycle />;
}
```

```javascript
import { Text, View } from "react-native";
import React, { Component } from "react";

export class Car extends Component {
  constructor(props) {
    super(props);
    this.state = {
      merek: "Toyota",
      types: { type: "Matic", model: "Honda Brio" },
    };
  }

  render() {
    return (
      <View>
        <Text>Hi i'm a Car</Text>
        <Text>Merek: {this.state.merek}</Text>
        <Text>Type: {this.state.types.type}</Text>
        <Text>Model: {this.state.types.model}</Text>
      </View>
    );
  }
}

export default Car;
```

```
Hi i'm a Car
Merek: Toyota
Type: Matic
Model: Honda Brio
```

2.4 State function pada RCC

```jsx
import React, { Component } from "react";
import { StyleSheet, Text, View } from "react-native";
import Motorcycle from "./src/components/Motorcycle";
import Car from "./src/components/Car";
import Bicycle from "./src/components/Bicycle";

export default function App() {
  // return <Motorcycle />;
  // return <Car />;
  return <Bicycle />;
}
```

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

const Motorcycle = () => {
  return (
    <View>
      <Text>Hi i'm a Bicyle</Text>
      <TakeAride />
      {Place2go()}
    </View>
  );
};

export default Motorcycle;

const TakeAride = () => {
  return <Text>Let's go riding with me</Text>;
};

function Place2go() {
  return <Text>We'r going to south west now, come on.</Text>;
}
```

```
Hi i'm a Bicyle
Let's go riding with me
We'r going to south west now, come on.
```

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

function Bicycle() {
  const city = "south west";
  const peoples = [
    { name: "Erdiana", fams: "Sister" },
    { name: "Emanuel", fams: "Brother" },
  ];
  return (
    <View>
      <Text>Hi i'm a Bicycle</Text>
      <TakeARide peoples={peoples} />
      {Place2Go(city)}
    </View>
  );
}

export default Bicycle;

const TakeARide = ({ peoples }) => {
  return (
    <View>
      <Text>Let's go riding with us:</Text>
      {peoples.map((v, index) => (
        <View key={index}>
          <Text>
            {v.name} / my {v.fams}
          </Text>
        </View>
      ))}
    </View>
  );
};

function Place2Go(value) {
  return <Text>We'r going to {value} now, come on.</Text>;
}
```

```
Hi i'm a Bicycle
Let's go riding with us:
Erdiana / my Sister
Emanuel / my Brother
We'r going to south west now, come on.
```

2.5 State Function pada RCC

```jsx
import { Text, View } from "react-native";
import React, { Component } from "react";

export class Car extends Component {
  constructor(props) {
    super(props);
    this.Come2Go = this.Come2Go.bind(this);
    this.state = {
        merek: "Toyota",
        types: { type:"Matic", model: "Honda Brio"},
    };
  }

  Come2Go(value) {
    return (
        <View>
            <Text>Let's go running away from duty</Text>
            <Text>With us only {value} IDR</Text>
        </View>
    )
  }

  render() {
    return (
      <View>
        <Text>Hi i'm a Car</Text>
        <Text>Merek: {this.state.merek}</Text>
        <Text>Type: {this.state.types.type}</Text>
        <Text>Model: {this.state.types.model}</Text>
        {this.Come2Go(200000)}
      </View>
    );
  }
}

export default Car;
```

```
Hi i'm a Car
Merek: Toyota
Type: Matic
Model: Honda Brio
```

3. Core Component UI dalam JSX

3.1 Container UI

```jsx
render() {
  return (
    <View>
      <View>
        <Text>Hi i'm a Car</Text>
        <Text>Merek: {this.state.merek}</Text>
      </View>
      <View>
        <Text>Type: {this.state.types.type}</Text>
        <Text>Model: {this.state.types.model}</Text>
        {this.Come2Go(200000)}
      </View>
    </View>
  );
}
```

```
Hi i'm a Car
Merek: Toyota
Type: Matic
Model: Honda Brio
Let's go running away from duty
With us only 200000 IDR
```

3.2 Basic UI

```jsx
import { Text, View, Image } from "react-native";
import React from "react";

function Bicycle() {
  const city = "south west";
  const peoples = [
    { name: "Erdiana", fams: "Sister" },
    { name: "Emanuel", fams: "Brother" },];
  return (
    <View style={{ padding: 10 }}>
      <Text>Hi i'm a Bicycle</Text>
      <TakeARide peoples={peoples} />
      {Place2Go(city)}
      <View>
        <Text>Sepeda Gunung</Text>
        <Image source={{ uri: "https://trexsporting.com/images/products/11-
KbmXViHodZ.jpg" }} style={{ width: 200, height: 200 }} />
      </View>

      <View>
        <Text>Sepeda Gunung</Text>
        <Image source={{ uri: "https://trexsporting.com/images/products/33-
b0oJHNiIPX.png" }} style={{ width: 200, height: 200 }} />
      </View>
    </View>
  );
}

export default Bicycle;

const TakeARide = ({ peoples }) => {
  return (
    <View>
      <Text>Let's go riding with us:</Text>
      {peoples.map((v, index) => (
        <View key={index}>
          <Text>
            {v.name} / my {v.fams}
          </Text>
        </View>
      ))}
    </View>
  );
};
function Place2Go(value) {
  return <Text>We'r going to {value} now, come on.</Text>;
}
```

```
Hi i'm a Bicycle
Let's go riding with us:
Erdiana / my Sister
Emanuel / my Brother
We'r going to south west now, come on.
Sepeda Gunung
```

Sepeda Gunung

3.3 Forms UI

TextInput

```jsx
import React from "react";
import { Text, View, TextInput, Image, StyleSheet, SafeAreaView } from "react-native";

const Forms = () => {
  return (
    <View style={{ flex: 1, marginTop: 20, alignItems: "center" }}>
      <View style={{ alignItems: "center" }}>
        <Image source={{ uri: "https://cdn-icons-png.flaticon.com/512/145/145859.png" }} style={{ width: 100, height: 100, borderWidth: 1 }} />
      </View>

      <View>
        <Text>Student ID:</Text>
        <TextInput style={styles.inputText} placeholder="Enter your NPM" keyboardType="numeric" />
```

```
      </View>

      <View style={{ marginTop: 10 }}>
        <Text>Fullname:</Text>
        <TextInput style={styles.inputText} placeholder="Enter your name here"
/>
      </View>

      <View style={{ marginTop: 10 }}>
        <Text>Address:</Text>
        <TextInput style={{ width: 300, height: 50, borderWidth: 1, padding:
10 }} editable multiline numberOfLines={4} maxLength={40} />
      </View>
    </View>
  );
};

const styles = StyleSheet.create({
  inputText: {
    width: 300,
    height: 35,
    borderWidth: 1,
    padding: 10,
  },
});

export default Forms;
```


Student ID:

212310017

Fullname:

Muhammad Alfan

Address:

Jalan-Jalan ke Tanah Abang

Button

```
import React from "react";
import { Text, View, TextInput, Image, StyleSheet, SafeAreaView,
TouchableOpacity, Button, TouchableHighlight, TouchableWithoutFeedback } from
"react-native";

const Forms = () => {
  return (
    <View style={{ flex: 1, marginTop: 20, alignItems: "center" }}>
      <View style={{ alignItems: "center" }}>
        <Image source={{ uri: "https://cdn-icons-
png.flaticon.com/512/145/145859.png" }} style={{ width: 100, height: 100,
borderWidth: 1 }} />
      </View>

      <View>
        <Text>Student ID:</Text>
        <TextInput style={styles.inputText} placeholder="Enter your NPM"
keyboardType="numeric" />
      </View>

      <View style={{ marginTop: 10 }}>
        <Text>Fullname:</Text>
        <TextInput style={styles.inputText} placeholder="Enter your name here"
/>
      </View>

      <View style={{ marginTop: 10 }}>
        <Text>Address:</Text>
        <TextInput style={{ width: 300, height: 50, borderWidth: 1, padding:
10 }} editable multiline numberOfLines={4} maxLength={40} />
      </View>

      <View style={{ marginTop: 20, alignItems: "center" }}>
        <Text style={{ color: "blue", fontSize: 20 }}>Button form OS</Text>
        <View>
          <TouchableOpacity activeOpacity={0.6}>
            <View style={styles.button}>
              <Text style={{ color: "white" }}>Touchable Opacity</Text>
            </View>
          </TouchableOpacity>
        </View>

        <View>
          <TouchableHighlight activeOpacity={0.6}>
            <View style={styles.button}>
              <Text style={{ color: "white" }}>Touchable Highlight</Text>
            </View>
```

```
              </TouchableHighlight>
        </View>

        <View>
          <TouchableWithoutFeedback activeOpacity={0.6}>
            <View style={styles.button}>
              <Text style={{ color: "white" }}>Touchable Without
Feedback</Text>
            </View>
          </TouchableWithoutFeedback>
        </View>
      </View>
    </View>
  );
};

const styles = StyleSheet.create({
  inputText: {
    width: 300,
    height: 35,
    borderWidth: 1,
    padding: 10,
  },
  button: {
    width: 300,
    padding: 10,
    borderRadius: 10,
    backgroundColor: "purple",
    alignItems: "center",
    marginTop: 10,
  },
});

export default Forms;
```

Student ID:

212310017

Fullname:

Muhammad Alfan

Address:

Jalan-Jalan ke Tanah Abang

Button form OS

Touchable Opacity

Touchable Highlight

Touchable Without Feedback