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NPM: 212310017

Pertemuan2 Lab. Pemograman Perangkat Bergerak

# 2. Penggunaan State pada RFC dan RCC

# 2.2 State Variable pada RFC

```
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 />;
}
```

```
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

```
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 />;
}
```

```
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

```
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 />;
}
```

```
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.
```

```
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" },
  1;
  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

```
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
```

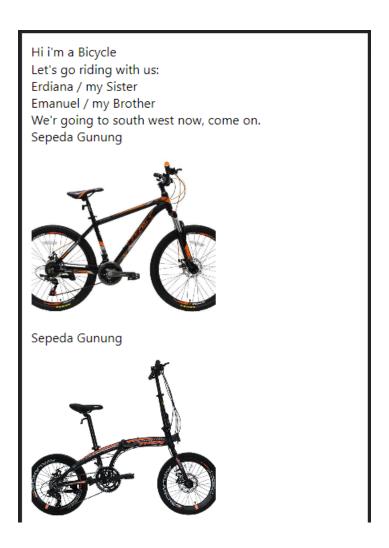
# 3. Core Component UI dalam JSX

# 3.1 Container UI

```
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

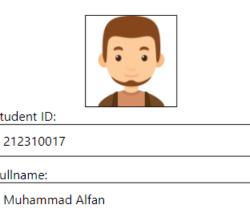
```
import { Text, View, Image } from "react-native";
import React from "react";
function Bicycle() {
  const city = "south west";
  const peoples = [
    { name: "Erdiana", fams: "Sister" },
    { name: "Emanuel", fams: "Brother" },];
  return (
    <View style={{ padding: 10 }}>
      <Text>Hi i'm a Bicycle</Text>
      <TakeARide peoples={peoples} />
      {Place2Go(city)}
      <View>
        <Text>Sepeda Gunung</Text>
        <Image source={{ uri: "https://trexsporting.com/images/products/11-</pre>
KbmXViHodZ.jpg" }} style={{ width: 200, height: 200 }} />
      </View>
      <View>
        <Text>Sepeda Gunung</Text>
        <Image source={{ uri: "https://trexsporting.com/images/products/33-</pre>
b0oJHNiIPX.png" }} style={{ width: 200, height: 200 }} />
      </View>
    </View>
  );
export default Bicycle;
const TakeARide = ({ peoples }) => {
  return (
      <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>;
```



# 3.3 Forms UI

# TextInput

```
</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:</pre>
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;
```



Address:

Fullname:

Student ID:

212310017

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-</pre>
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**