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Pengembangan Aplikasi Mobile RA

GitHub: https://github.com/tyaz118140077/PAM_RA_118140077

TUGAS MINGGU 4

REDUX REACT HOOKS

ConvertApp.js

```
import React, { Component } from "react";
import { render } from "react-dom";
import { View, Text, StyleSheet } from "react-native";
import { connect } from "react-redux";

const [centi, setcenti] = useState(0);
const [inch, setinch] = useState(0);
const centitoinch = 0.393701;

function convertCentiToInch() {
  setinch(centi * centitoinch);
}

class ConvertApp extends Component {
  render() {
    return (
      <View style={styles.body}>
        <Text style={styles.title}>CM to INCH Converter</Text>
        <TextInput
          placeholder="Centimeter"
          style={styles.input}
          onChangeText={(value) => setcenti(value)}
          value={centi}
          keyboardType="numeric"
        />
        <Button style={styles.button} title="convert" onPress={convertCentiToInch} />
        <Text style={styles.result}>In inch is {inch}</Text>
      </View>
    );
  }
}

function mapStateToProps(state) {
  return {
    centi: state.centi,
    inch: state.inch
  };
}
```

```

    inch: state.inch,
  };
}

function mapDispatchToProps(dispatch) {
  return {
    convert: () => dispatch({ type: "CONVERT" }),
  };
}

export default connect(mapStateToProps, mapDispatchToProps)(ConvertApp);

const styles = StyleSheet.create({
  body: {
    margin: 30,
    marginTop: 100,
    padding: 24,
    flex: 1,
    flexDirection: 'column'
  },
  title: {
    fontSize: 18,
    fontWeight: 'bold',
    alignSelf: 'center',
    margin: 10
  },
  input: {
    borderBottomWidth: 1,
    marginBottom: 10
  },
  button: {
    margin: 100
  },
  result: {
    marginTop: 24,
    alignSelf: 'center'
  },
});

export default ConvertApp;

```

Pada file berisi fungsi perhitungan dari aplikasi. Pada aplikasi yang dibuat ini, aplikasi mengubah panjang dari satuan centimeter ke satuan inch. Pengguna dapat menginput angka yang ingin dikonversikan kedalam TextInput yang sudah disediakan, lalu hasilnya akan ditampilkan ke layar.

OUTPUT:

23.41

0.00 KB/S

CM to INCH Converter

8686

CONVERT

In inch is 3419.6868860000004

