## TUGAS INDIVIDU

# **REDUX DAN HOC**

Disusun sebagai

MATA KULIAH: PEMROGRAMAN BERBASIS FRAMEWORK



Oleh:

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26

TI 3A

PROGRAM STUDI D-IV TEKNIK INFORMATIKA

JURUSAN TEKNOLOGI INFORMASI

POLITEKNIK NEGERI MALANG

2020

#### **PRAKTIKUM**

### Langkah – langkah:

- 1. Membuat dan menginstall redux terlebih dahulu
- 2. Install form dengan kode 'npm install -save redux react-redux redux-form'
- 3. Mengubah file index.html pada folder /public/index.html

```
File Edit Selection View Go Debug Terminal Help
                                                          index.html - reinatrychadani-ti3a-HOC - Visual Studio Code
                        o index.html ×
     ▲ OPEN EDITORS
                          1 <!DOCTYPE html:
 X ♦ index.html p... M 2

REINATRYCHADANI-TI3A-... 3

A reina modulas
                               <html Lang="en">
                             <head>
    node_modules
public
                                <meta charset="utf-8">
<meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no">
                                <meta name="theme-color" content="#000000">
<link rel="manifest" href="%PUBLIC_URL%/manifest.json">
                                <title>React App</title>
                              <body>
                                15

    gitignore

      {} package-lock.json M
      () package.json M 17
                                 </noscript>
                                <div id="root"></div>
                          18
      (i) README.md
                               </body>
                               </html>
                               1
                          21
```

4. Mengubah file **App.js** pada folder /**src/App.js** 

```
const { handleSubmit } = props;
return <form onSubmit={handleSubmit} className="form">
 ★ favicon.ico

◇ index.html M
                       Iogo192.png
Iogo512.png
                          <Field name="firstName" component={renderField} type="text" label="First Name"/>
                         </div>
  {} manifest.json
                      </div>
<div className="field">
                       # App.css
JS App.js M
                       </div>
  JS App.test.js
                       <div className="field">
                       # index.css
  JS index.js
  ¹∎ logo.svg
                       </div>
  JS serviceWorker.js
                       <div className="field":
  JS setupTests.js
                        • .gitignore
 {} package-lock.json M
                         </div>
 () package ison
 ① README.md
                       <div className="field">
                       <div className="control"</pre>
```

```
EXPLORER
0
                                               JS App.is
      ▲ OPEN EDITORS
                                             <div className="control">
                                              <label className="label">Proficiency</label>
<div className="select">
         O index.html p... M
                                32
     🗙 JS App.js src M
                                                <Field className="input" name="proficiency" component="select">

▲ REINATRYCHADANI-TI3A-...

8
      node modules
                                                 <option value="beginner">Beginner Dev</option>
<option value="intermediate">Intermediate Dev</option>
<option value="expert">Expert Dev</option>

■ public

                                36
37
      * favicon.ico
        index.html
                                                </Field>
                                               </div>
        logo192.png
40
41
                                             </div>
        logo512.png
                                          </div>
        {} manifest.json
                                          42
43
        F robots.txt
       ₫ src
                                              <label className="label">Gender</label>
<label className="radio">
        # App.css
                                                <Field name="gender" component="input" type="radio" value="male" />
     JS App.js
                      M
                                46
47
        JS App.test.js
                                               Male
                                48
        JS index.js
                                              <label className="radio">
                                50
        🔓 logo.svg
                                                <Field name="gender" component="input" type="radio" value="female" />
        JS serviceWorker.js
                                53
54
        JS setupTests.js
                                               </label>

    gitignore

                                             </div>
      {} package-lock.json M
                                56
57
                                          </div>
       {} package.json
                                          <div className="field">
       (i) README.md
                                58
                                            <div className="control"</pre>
```

```
EXPLORER
                                                JS App.is X
0
                                                <Field name="saveDetails" id="saveDetails" component="input" type="checkbox"/>
                                60
61
      △ OPEN EDITORS
                                                 Save Details
          O index.html p... M
                                62
63
                                               </label>
     x JS App.js src M
                                             </div>

▲ REINATRYCHADANI-TI3A-...

8
                                64
                                           </div>
      ▶ node_modules
                                           <div className="field">
                                            <div className="control">
    <label className="label">Message</label>

■ public
(%)
       * favicon.ico
        o index.html
                                               <Field cLassName="textarea" name="message" component="textarea" />
                                             </div>
        logo192.png
                                          </div>
<div className="field">
                                 70
71
        logo512.png
        () manifest.json

    robots.txt

       ▲ src
        # App.css
     JS App.js
                     M
                                         </form>;
        JS App.test.is
        # index.css
                                      const validate = val => {
        Js index.js
                                         const errors = {};
if (!val.firstName) {
        ¹ logo.svg
                                          console.log('First Name is required');
errors.firstName = 'Required';
        JS serviceWorker.js
                                82
        JS setupTests.js
       • .gitignore
                                         if (!val.lastName) {
       {} package-lock.json M
                                         console.log('Last Name is required');
errors.lastName = 'Required';
                                86
       {} package.json
                                 87
       (i) README.md
                                         if (!val.email) {
                                        console.log('email is required');
```

```
o index.html JS App.js
         EXPLORER
0

▲ OPEN EDITORS

                                     go console.log('email is required');
      X JS Appjs src M 91
A REINATRYCHADANI-TI3A-... 93
I node_modules

⇔ index.html p... M

                                                 errors.email = 'Required';
} else if (!/^.+@.+$/i.test(val.email)) {
console.log('email is invalid');
                                                  errors.email = 'Invalid email address';
                                               if (!val.age) {
-ns age = 'Required'

    ↓ public
    ★ favicon.ico
    ✓ index.html M
                                                errors.age = 'Required'
} else if (isNaN(Number(val.age))) {
         ☐ logo192.png
☐ logo512.png
{} manifest.json
☐ robots.txt
                                               errors.age = 'Must be a number'
} else if (Number(val.age) < 18) {
errors.age = 'Sorry, you must be at least 18 years old'
                                     101
                          103
0 104
                                               return errors;
         ₫ src
          # App.css
      JS App.js M 106
                                              const renderField = ({ input, label, type, meta: { touched, error, warning } }) => (
          JS App.test.js
                                                  <div className="control">
          # index.css
                                                   <label ctassName="field">{label}</label>
          JS index.is
                                                   ¶ logo.svg
          JS serviceWorker.js
                                     112
          JS setupTests.js
                                                </div>

    aitianore

        {} package-lock.ison M
                                     116
                                              SignInForm = reduxForm({
        () package json M
                                                 form: 'signIn',
        (i) README.md
                                                validate,
                                              })(SignInForm);
                                              class App extends Component {
                                     120
                                     > index.html JS App.js X
       ✓ OPEN EDITORS 120

O index.html p... M 121
                                               class App extends Component {
                                                 handleSignIn = values => {
      ★ J5 App.js src M 122

4 REINATRYCHADANI-TI3A-...
                                                  console.log(values);
       ✓ REINATRYCHADANI-TI3A-... 125

        A REINATRYCHADANI-TISA-...
        124

        ▶ node_modules
        125

        ▲ public
        126

        ★ faviconico
        127

        ⇔ index.html
        M
        128

        ☒ logo192.png
        130

        ☒ logo512.png
        131

        () manifest.json
        132

        ☒ chots.btt
        133

                                                 render() {
                                                       <div className="App">
                                                       <header className="App-header">
                                                         <img src=(logo) className="App-logo" alt="logo" />
<h1 className="App-title">Welcome to React x redux-form</h1>
                                                      4 SEC
                             9 134

<SignInForm onSubmit={this.handleSignIn} />
                                      135
          # App.css
       JS App.js M 136
          JS App.test.js
                                                       </div>
                                                    );
           # index.css
          JS index.js
          export default App;
          JS setupTests.js
         • .gitignore
         {} package-lock.json M
         () package json

    README.md
```

5. Mengubah file **index.js** pada folder /**src/index.js** 

```
EXPLORER
                                                                       o index.html
                                                                                                                                                                        JS index.js
                                                                                                                    JS App.js
                                                                        1 import React from 'react';

■ OPEN EDITORS

    index.html p... M
    Js App.js src    M

    Js index.js src    M

Js App.js src    M

Js index.js 
                                                                                       import ReactDOM from 'react-dom';
4 REINATRYCHADANI-TI3A-... 6 import './index.css';
    * favicon,ico
      11 form: formReducer,
      ☐ logo192.png
☐ logo512.png
() manifest.json
                                                                      12 });
                                                                       13
                                                                         14 const store = createStore(rootReducer);
         15
      # App.css 17 8 18 19 15 App.ts M 19 19 15 App.ts M 19 19 15 App.ts M 19 19 16 R
                                                                                           ReactDOM.render(

✓ Src

                                                                                                 <Provider store={store}>
                                                                                                      <App />
                                                                                                 </Provider>, document.getElementById('root')
                                                       20
        JS App.test.js
                                                                                            );
        # index.css
                                                                         21
    Js index.js
                                                                      22 serviceWorker.register();
                                                                         23
        ¹a logo.svg
        JS serviceWorker.js
        Js setupTests.js

    gitignore

   () package-lock.json M
   {} package.json

 README.md
```

## 6. Hasil running

Terdapat tampilan logo react dan form hasil validasi redux form dalam bentuk Higher Order Component



