



Modul Praktikum Struts 2

1. Tujuan

- Dapat mengerti konsep MVC dengan Struts2
- Dapat membuat aplikasi sederhana, dan kompleks dengan menggunakan struts2

2. Latar Belakang

Struts2 adalah sebuah framework yang sangat dapat sangat membantu dalam pengerjaan aplikasi karena kemudahan yang di berikan dan dukungan plugin yang memungkinkan sebuah aplikasi dapat di kostumisasi dengan mudah.

3. Percobaan

Library yang dibutuhkan:

1. common-logging.jar
2. freemarker.jar
3. ognl.jar
4. struts2-core.jar
5. xwork-2.x.jar
6. servlet-api.jar

web.xml

```
<?xml version="1.0" encoding="UTF-8"?>

<web-app id="WebApp_9" version="2.4" xmlns="http://java.sun.com/xml/ns/j2ee"
xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
xsi:schemaLocation="http://java.sun.com/xml/ns/j2ee
http://java.sun.com/xml/ns/j2ee/web-app_2_4.xsd">

    <display-name>Meruvian Hello World</display-name>
```



Modul Praktikum Struts 2

```
<filter>

    <filter-name>struts2</filter-name>

    <filter-class>org.apache.struts2.dispatcher.FilterDispatcher</filter-
class>

</filter>


<filter-mapping>

    <filter-name>struts2</filter-name>

    <url-pattern>/*</url-pattern>

</filter-mapping>


<welcome-file-list>

    <welcome-file>index.html</welcome-file>

</welcome-file-list>


</web-app>
```

index.html

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">

<html>

<head>
```



Modul Praktikum Struts 2

```

<title>Meruvian.Org Struts 2 Tutorial</title>

</head>

<body>

<div align="center">

    <center>

        <table border="0" cellpadding="0" cellspacing="0" width="400">

            <tr>

                <td><font color="#000080" size="5"><b>Meruvian.Org Struts 2
Tutor</b><br>

                &nbsp;&nbsp;&nbsp;&nbsp;</font></td>

            </tr>

            <tr>

                <td>

                    <ul>

                        <li><a href="meruvian/HelloWorld.action">Struts 2 Hello World
Application</a></li>

                    </ul>

                </td>

            </tr>

        </table>

    </center>

</div>

<p align="center">&nbsp;</p>

</body>

</html>

```



Modul Praktikum Struts 2

struts.xml

```
<?xml version="1.0" encoding="UTF-8" ?>

<!DOCTYPE struts PUBLIC
    "-//Apache Software Foundation//DTD Struts Configuration 2.0//EN"
    "http://struts.apache.org/dtds/struts-2.0.dtd">

<struts>

    <constant name="struts.enable.DynamicMethodInvocation" value="false" />
    <constant name="struts.devMode" value="true" />

    <package name="meruvian" namespace="/meruvian" extends="struts-default">

        <action name="HelloWorld" class="org.meruvian.HelloWorld">
            <result>/pages/HelloWorld.jsp</result>
        </action>
    </package>
</struts>
```



Modul Praktikum Struts 2

HelloWorld.java

```
package org.meruvian;

import com.opensymphony.xwork2.ActionSupport;
import java.util.Date;

public class HelloWorld extends ActionSupport {

    public static final String MESSAGE = "Struts 2 Hello World Tutorial!";

    public String execute() throws Exception {
        setMessage(MESSAGE);
        return SUCCESS;
    }

    private String message;

    /**
     * @return the message
     */
    public String getMessage() {
        return message;
    }
}
```



Modul Praktikum Struts 2

```
/**
 * @param message the message to set
 */
public void setMessage(String message) {
    this.message = message;
}

/**
 * @return the mESSAGE
 */
public static String getMESSAGE() {
    return MESSAGE;
}

public String getCurrentTime(){
    return new Date().toString();
}
}
```



Modul Praktikum Struts 2

HelloWorld.jsp

```
<%@ taglib prefix="s" uri="/struts-tags" %>

<html>

  <head>

    <title>Struts 2 Hello World Application!</title>

  </head>

  <body>

    <h2><s:property value="message" /></h2>

    <p>Waktu Saat ini : <b><s:property value="currentTime" /></b>

  </body>

</html>
```