# Unit Test

Berikut ini kelas-kelas yang kami uji :

1. ControlCek.cs
2. controlTambah.cs
3. tambahUI.cs
4. Winnowing.cs

## ControlCek.cs

### Code :

**Upload File dengan Ekstensi .pdf**

using mppl.Control;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using System;

using Microsoft.VisualStudio.TestTools.UnitTesting.Web;

using System.Web.UI.WebControls;

using System.IO;

namespace TestProject2

{

/// <summary>

///This is a test class for ControlCekTest and is intended

///to contain all ControlCekTest Unit Tests

///</summary>

[TestClass()]

public class ControlCekTest

{

private TestContext testContextInstance;

/// <summary>

///Gets or sets the test context which provides

///information about and functionality for the current test run.

///</summary>

public TestContext TestContext

{

get

{

return testContextInstance;

}

set

{

testContextInstance = value;

}

}

#region Additional test attributes

//

//You can use the following additional attributes as you write your tests:

//

//Use ClassInitialize to run code before running the first test in the class

//[ClassInitialize()]

//public static void MyClassInitialize(TestContext testContext)

//{

//}

//

//Use ClassCleanup to run code after all tests in a class have run

//[ClassCleanup()]

//public static void MyClassCleanup()

//{

//}

//

//Use TestInitialize to run code before running each test

//[TestInitialize()]

//public void MyTestInitialize()

//{

//}

//

//Use TestCleanup to run code after each test has run

//[TestCleanup()]

//public void MyTestCleanup()

//{

//}

//

#endregion

/// <summary>

///A test for upload

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void uploadTest()

{

ControlCek target = new ControlCek(); // TODO: Initialize to an appropriate value

FileUpload input = null; // TODO: Initialize to an appropriate value

string path = string.Empty; // TODO: Initialize to an appropriate value

bool expected = false; // TODO: Initialize to an appropriate value

bool actual;

actual = target.upload(input, path);

Assert.AreEqual(expected, actual);

}

/// <summary>

///A test for ekstrakPdf

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

[DeploymentItem("mppl.dll")]

public void ekstrakPdfTest()

{

ControlCek\_Accessor target = new ControlCek\_Accessor(); // TODO: Initialize to an appropriate value

FileStream stream1 = File.Open("C:\\Users\\chrisna\\Desktop\\E-TICKET RECEIPT.PDF", FileMode.Open);

Stream path = stream1; // TODO: Initialize to an appropriate value

target.ekstrakPdf(path);

//

}

/// <summary>

///A test for createFingerPrint

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

[DeploymentItem("mppl.dll")]

public void createFingerPrintTest()

{

ControlCek\_Accessor target = new ControlCek\_Accessor(); // TODO: Initialize to an appropriate value

string input = "sdas"; // TODO: Initialize to an appropriate value

target.createFingerPrint(input);

}

/// <summary>

///A test for ControlCek Constructor

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void ControlCekConstructorTest()

{

ControlCek target = new ControlCek();

}

}

}

**Upload File dengan ekstensi .doc**

Saat upload file dengan ekstensi .doc maka url file diganti

public void ekstrakPdfTest()

{

ControlCek\_Accessor target = new ControlCek\_Accessor(); // TODO: Initialize to an appropriate value

FileStream stream1 = File.Open("C:\\Users\\chrisna\\Desktop\\buku.doc", FileMode.Open);

Stream path = stream1; // TODO: Initialize to an appropriate value

target.ekstrakPdf(path);

//

}

Diberikan input string dan menghasilkan output yang “Failed”

public void createFingerPrintTest()

{

ControlCek\_Accessor target = new ControlCek\_Accessor(); // TODO: Initialize to an appropriate value

string input = "sdas"; // TODO: Initialize to an appropriate value

target.createFingerPrint(input);

}

## controlTambah.cs

### Code :

using mppl.Control;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using System;

using Microsoft.VisualStudio.TestTools.UnitTesting.Web;

namespace TestProject2

{

/// <summary>

///This is a test class for controlTambahTest and is intended

///to contain all controlTambahTest Unit Tests

///</summary>

[TestClass()]

public class controlTambahTest

{

private TestContext testContextInstance;

/// <summary>

///Gets or sets the test context which provides

///information about and functionality for the current test run.

///</summary>

public TestContext TestContext

{

get

{

return testContextInstance;

}

set

{

testContextInstance = value;

}

}

#region Additional test attributes

//

//You can use the following additional attributes as you write your tests:

//

//Use ClassInitialize to run code before running the first test in the class

//[ClassInitialize()]

//public static void MyClassInitialize(TestContext testContext)

//{

//}

//

//Use ClassCleanup to run code after all tests in a class have run

//[ClassCleanup()]

//public static void MyClassCleanup()

//{

//}

//

//Use TestInitialize to run code before running each test

//[TestInitialize()]

//public void MyTestInitialize()

//{

//}

//

//Use TestCleanup to run code after each test has run

//[TestCleanup()]

//public void MyTestCleanup()

//{

//}

//

#endregion

/// <summary>

///A test for controlTambah Constructor

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void controlTambahConstructorTest()

{

controlTambah target = new controlTambah();

}

/// <summary>

///A test for simpan

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void simpanTest()

{

controlTambah target = new controlTambah(); // TODO: Initialize to an appropriate value

target.simpan();

}

}

}

Output yang dihasilkan adalah “passed”

**Screenshot**

## tambahUI.cs

### Code :

using mppl.Control;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using System;

using Microsoft.VisualStudio.TestTools.UnitTesting.Web;

namespace TestProject2

{

/// <summary>

///This is a test class for tambahUITest and is intended

///to contain all tambahUITest Unit Tests

///</summary>

[TestClass()]

public class tambahUITest

{

private TestContext testContextInstance;

/// <summary>

///Gets or sets the test context which provides

///information about and functionality for the current test run.

///</summary>

public TestContext TestContext

{

get

{

return testContextInstance;

}

set

{

testContextInstance = value;

}

}

#region Additional test attributes

//

//You can use the following additional attributes as you write your tests:

//

//Use ClassInitialize to run code before running the first test in the class

//[ClassInitialize()]

//public static void MyClassInitialize(TestContext testContext)

//{

//}

//

//Use ClassCleanup to run code after all tests in a class have run

//[ClassCleanup()]

//public static void MyClassCleanup()

//{

//}

//

//Use TestInitialize to run code before running each test

//[TestInitialize()]

//public void MyTestInitialize()

//{

//}

//

//Use TestCleanup to run code after each test has run

//[TestCleanup()]

//public void MyTestCleanup()

//{

//}

//

#endregion

/// <summary>

///A test for uploadDokumen

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void uploadDokumenTest()

{

tambahUI target = new tambahUI(); // TODO: Initialize to an appropriate value

target.uploadDokumen();

}

/// <summary>

///A test for tambahUI Constructor

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void tambahUIConstructorTest()

{

tambahUI target = new tambahUI();

}

/// <summary>

///A test for isiDataDokumen

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void isiDataDokumenTest()

{

tambahUI target = new tambahUI(); // TODO: Initialize to an appropriate value

target.isiDataDokumen();

}

}

}

Output yang dihasilkan adalah “passed”

**Screenshot**

## Winnowing.cs

### Code :

using mppl.Control;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using System;

using Microsoft.VisualStudio.TestTools.UnitTesting.Web;

using System.Collections.Generic;

namespace TestProject2

{

/// <summary>

///This is a test class for WinnowingTest and is intended

///to contain all WinnowingTest Unit Tests

///</summary>

[TestClass()]

public class WinnowingTest

{

private TestContext testContextInstance;

/// <summary>

///Gets or sets the test context which provides

///information about and functionality for the current test run.

///</summary>

public TestContext TestContext

{

get

{

return testContextInstance;

}

set

{

testContextInstance = value;

}

}

#region Additional test attributes

//

//You can use the following additional attributes as you write your tests:

//

//Use ClassInitialize to run code before running the first test in the class

//[ClassInitialize()]

//public static void MyClassInitialize(TestContext testContext)

//{

//}

//

//Use ClassCleanup to run code after all tests in a class have run

//[ClassCleanup()]

//public static void MyClassCleanup()

//{

//}

//

//Use TestInitialize to run code before running each test

//[TestInitialize()]

//public void MyTestInitialize()

//{

//}

//

//Use TestCleanup to run code after each test has run

//[TestCleanup()]

//public void MyTestCleanup()

//{

//}

//

#endregion

/// <summary>

///A test for Winnowing Constructor

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void WinnowingConstructorTest()

{

Winnowing target = new Winnowing();

}

/// <summary>

///A test for getFingerprint

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void getFingerprintTest()

{

string input = string.Empty; // TODO: Initialize to an appropriate value

List<int> expected = null; // TODO: Initialize to an appropriate value

List<int> actual;

actual = Winnowing.getFingerprint(input);

Assert.AreEqual(expected, actual);

}

/// <summary>

///A test for primeRollingHash

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

[DeploymentItem("mppl.dll")]

public void primeRollingHashTest()

{

string input = string.Empty; // TODO: Initialize to an appropriate value

int start = 0; // TODO: Initialize to an appropriate value

int end = 0; // TODO: Initialize to an appropriate value

int mod = 0; // TODO: Initialize to an appropriate value

int expected = 0; // TODO: Initialize to an appropriate value

int actual;

actual = Winnowing\_Accessor.primeRollingHash(input, start, end, mod);

Assert.AreEqual(expected, actual);

}

/// <summary>

///A test for rollHashRight

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void rollHashRightTest()

{

int currentHashValue = 0; // TODO: Initialize to an appropriate value

string input = string.Empty; // TODO: Initialize to an appropriate value

int start = 0; // TODO: Initialize to an appropriate value

int newEnd = 0; // TODO: Initialize to an appropriate value

int mod = 0; // TODO: Initialize to an appropriate value

int expected = 0; // TODO: Initialize to an appropriate value

int actual;

actual = Winnowing.rollHashRight(currentHashValue, input, start, newEnd, mod);

Assert.AreEqual(expected, actual);

//

}

/// <summary>

///A test for setHash

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

[DeploymentItem("mppl.dll")]

public void setHashTest()

{

string input = "dfaf"; // TODO: Initialize to an appropriate value

//List<int> hash = null; // TODO: Initialize to an appropriate value

List<int> hash = new List<int>();

/\* hash.Add(2);

hash.Add(3);

hash.Add(4);

hash.Add(5);

\*/

Winnowing\_Accessor.setHash(input, hash);

//

}

}

}

Terdapat List of integer dengan inputan berupa string, namun hasil yang didapat adalah “Failed”

public void setHashTest()

{

string input = "dfaf"; // TODO: Initialize to an appropriate value

//List<int> hash = null; // TODO: Initialize to an appropriate value

List<int> hash = new List<int>();

Winnowing\_Accessor.setHash(input, hash);

//

}

Terdapat List of integer dengan inputan berupa string, namun hasil yang didapat adalah “Failed”

public void getFingerprintTest()

{

string input = “dfaf”; // TODO: Initialize to an appropriate value

List<int> expected = null; // TODO: Initialize to an appropriate value

List<int> actual;

actual = Winnowing.getFingerprint(input);

Assert.AreEqual(expected, actual);

}

Terdapat inputan yang diberikan sebagai berikut:

public void rollHashRightTest()

{

int currentHashValue = 0; // TODO: Initialize to an appropriate value

string input = string.Empty; // TODO: Initialize to an appropriate value

int start = 0; // TODO: Initialize to an appropriate value

int newEnd = 0; // TODO: Initialize to an appropriate value

int mod = 0; // TODO: Initialize to an appropriate value

int expected = 0; // TODO: Initialize to an appropriate value

int actual;

actual = Winnowing.rollHashRight(currentHashValue, input, start, newEnd, mod);

Assert.AreEqual(expected, actual);

//

}

Hasil output yang didapatkan adalah “failed” pada bagian :

public void rollHashRightTest()

{

int currentHashValue = 0; // TODO: Initialize to an appropriate value

string input = string.Empty; // TODO: Initialize to an appropriate value

int start = 0; // TODO: Initialize to an appropriate value

int newEnd = 0; // TODO: Initialize to an appropriate value

int mod = 0; // TODO: Initialize to an appropriate value

int expected = 0; // TODO: Initialize to an appropriate value

int actual;

actual = Winnowing.rollHashRight(currentHashValue, input, start, newEnd, mod);

Assert.AreEqual(expected, actual);

}

## ModelDokumenTest.cs

### Code :

using mppl.Entitas;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using System;

using Microsoft.VisualStudio.TestTools.UnitTesting.Web;

using System.Collections.Generic;

namespace TestProject2

{

/// <summary>

///This is a test class for ModelDokumenTest and is intended

///to contain all ModelDokumenTest Unit Tests

///</summary>

[TestClass()]

public class ModelDokumenTest

{

private TestContext testContextInstance;

/// <summary>

///Gets or sets the test context which provides

///information about and functionality for the current test run.

///</summary>

public TestContext TestContext

{

get

{

return testContextInstance;

}

set

{

testContextInstance = value;

}

}

#region Additional test attributes

//

//You can use the following additional attributes as you write your tests:

//

//Use ClassInitialize to run code before running the first test in the class

//[ClassInitialize()]

//public static void MyClassInitialize(TestContext testContext)

//{

//}

//

//Use ClassCleanup to run code after all tests in a class have run

//[ClassCleanup()]

//public static void MyClassCleanup()

//{

//}

//

//Use TestInitialize to run code before running each test

//[TestInitialize()]

//public void MyTestInitialize()

//{

//}

//

//Use TestCleanup to run code after each test has run

//[TestCleanup()]

//public void MyTestCleanup()

//{

//}

//

#endregion

/// <summary>

///A test for ModelDokumen Constructor

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void ModelDokumenConstructorTest()

{

ModelDokumen target = new ModelDokumen();

}

/// <summary>

///A test for get

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void getTest()

{

ModelDokumen target = new ModelDokumen(); // TODO: Initialize to an appropriate value

IEnumerable<dokumen> expected = null; // TODO: Initialize to an appropriate value

IEnumerable<dokumen> actual;

actual = target.get();

Assert.AreEqual(expected, actual);

//

}

/// <summary>

///A test for getById

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void getByIdTest()

{

ModelDokumen target = new ModelDokumen(); // TODO: Initialize to an appropriate value

long id = 0; // TODO: Initialize to an appropriate value

dokumen expected = null; // TODO: Initialize to an appropriate value

dokumen actual;

actual = target.getById(id);

Assert.AreEqual(expected, actual);

}

/// <summary>

///A test for insert

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void insertTest()

{

ModelDokumen target = new ModelDokumen(); // TODO: Initialize to an appropriate value

string judul = string.Empty; // TODO: Initialize to an appropriate value

string pengarang = string.Empty; // TODO: Initialize to an appropriate value

string alamat\_fingerprint = string.Empty; // TODO: Initialize to an appropriate value

target.insert(judul, pengarang, alamat\_fingerprint);

//

}

/// <summary>

///A test for update

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void updateTest()

{

ModelDokumen target = new ModelDokumen(); // TODO: Initialize to an appropriate value

long id = 0; // TODO: Initialize to an appropriate value

string judul = string.Empty; // TODO: Initialize to an appropriate value

string pengarang = string.Empty; // TODO: Initialize to an appropriate value

string alamat\_fingerprint = string.Empty; // TODO: Initialize to an appropriate value

target.update(id, judul, pengarang, alamat\_fingerprint);

//

}

}

}

Hasil yang dikeluarkan adalah “Passed”

## MenuUtamaUITest.cs

### Code :

using mppl.Control;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using System;

using Microsoft.VisualStudio.TestTools.UnitTesting.Web;

namespace TestProject2

{

/// <summary>

///This is a test class for menuUtamaUITest and is intended

///to contain all menuUtamaUITest Unit Tests

///</summary>

[TestClass()]

public class menuUtamaUITest

{

private TestContext testContextInstance;

/// <summary>

///Gets or sets the test context which provides

///information about and functionality for the current test run.

///</summary>

public TestContext TestContext

{

get

{

return testContextInstance;

}

set

{

testContextInstance = value;

}

}

#region Additional test attributes

//

//You can use the following additional attributes as you write your tests:

//

//Use ClassInitialize to run code before running the first test in the class

//[ClassInitialize()]

//public static void MyClassInitialize(TestContext testContext)

//{

//}

//

//Use ClassCleanup to run code after all tests in a class have run

//[ClassCleanup()]

//public static void MyClassCleanup()

//{

//}

//

//Use TestInitialize to run code before running each test

//[TestInitialize()]

//public void MyTestInitialize()

//{

//}

//

//Use TestCleanup to run code after each test has run

//[TestCleanup()]

//public void MyTestCleanup()

//{

//}

//

#endregion

/// <summary>

///A test for menuUtamaUI Constructor

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void menuUtamaUIConstructorTest()

{

menuUtamaUI target = new menuUtamaUI();

}

/// <summary>

///A test for pilihCekDokumen

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void pilihCekDokumenTest()

{

menuUtamaUI target = new menuUtamaUI(); // TODO: Initialize to an appropriate value

target.pilihCekDokumen();

}

}

}

Hasil output yang dihasilkan adalah “Passed”

## FormCekUITest.cs

### Code :

using mppl.Control;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using System;

using Microsoft.VisualStudio.TestTools.UnitTesting.Web;

namespace TestProject2

{

/// <summary>

///This is a test class for formCekUITest and is intended

///to contain all formCekUITest Unit Tests

///</summary>

[TestClass()]

public class formCekUITest

{

private TestContext testContextInstance;

/// <summary>

///Gets or sets the test context which provides

///information about and functionality for the current test run.

///</summary>

public TestContext TestContext

{

get

{

return testContextInstance;

}

set

{

testContextInstance = value;

}

}

#region Additional test attributes

//

//You can use the following additional attributes as you write your tests:

//

//Use ClassInitialize to run code before running the first test in the class

//[ClassInitialize()]

//public static void MyClassInitialize(TestContext testContext)

//{

//}

//

//Use ClassCleanup to run code after all tests in a class have run

//[ClassCleanup()]

//public static void MyClassCleanup()

//{

//}

//

//Use TestInitialize to run code before running each test

//[TestInitialize()]

//public void MyTestInitialize()

//{

//}

//

//Use TestCleanup to run code after each test has run

//[TestCleanup()]

//public void MyTestCleanup()

//{

//}

//

#endregion

/// <summary>

///A test for formCekUI Constructor

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void formCekUIConstructorTest()

{

formCekUI target = new formCekUI();

}

/// <summary>

///A test for pilihModeFile

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void pilihModeFileTest()

{

formCekUI target = new formCekUI(); // TODO: Initialize to an appropriate value

target.pilihModeFile();

}

/// <summary>

///A test for pilihModeTeks

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void pilihModeTeksTest()

{

formCekUI target = new formCekUI(); // TODO: Initialize to an appropriate value

target.pilihModeTeks();

}

/// <summary>

///A test for tekanTombolCek

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void tekanTombolCekTest()

{

formCekUI target = new formCekUI(); // TODO: Initialize to an appropriate value

target.tekanTombolCek();

}

}

}

Hasil output yang dihasilkan adalah “Passed”

## PenjelajahDirektoriUiTest.cs

### Code :

using mppl.Control;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using System;

using Microsoft.VisualStudio.TestTools.UnitTesting.Web;

namespace TestProject2

{

/// <summary>

///This is a test class for PenjelajahDirektoriUiTest and is intended

///to contain all PenjelajahDirektoriUiTest Unit Tests

///</summary>

[TestClass()]

public class PenjelajahDirektoriUiTest

{

private TestContext testContextInstance;

/// <summary>

///Gets or sets the test context which provides

///information about and functionality for the current test run.

///</summary>

public TestContext TestContext

{

get

{

return testContextInstance;

}

set

{

testContextInstance = value;

}

}

#region Additional test attributes

//

//You can use the following additional attributes as you write your tests:

//

//Use ClassInitialize to run code before running the first test in the class

//[ClassInitialize()]

//public static void MyClassInitialize(TestContext testContext)

//{

//}

//

//Use ClassCleanup to run code after all tests in a class have run

//[ClassCleanup()]

//public static void MyClassCleanup()

//{

//}

//

//Use TestInitialize to run code before running each test

//[TestInitialize()]

//public void MyTestInitialize()

//{

//}

//

//Use TestCleanup to run code after each test has run

//[TestCleanup()]

//public void MyTestCleanup()

//{

//}

//

#endregion

/// <summary>

///A test for PenjelajahDirektoriUi Constructor

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void PenjelajahDirektoriUiConstructorTest()

{

PenjelajahDirektoriUi target = new PenjelajahDirektoriUi();

}

/// <summary>

///A test for pilihDokumen

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void pilihDokumenTest()

{

PenjelajahDirektoriUi target = new PenjelajahDirektoriUi(); // TODO: Initialize to an appropriate value

target.pilihDokumen();

}

/// <summary>

///A test for tampilkanDirektori

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void tampilkanDirektoriTest()

{

PenjelajahDirektoriUi target = new PenjelajahDirektoriUi(); // TODO: Initialize to an appropriate value

target.tampilkanDirektori();

}

}

}

Hasil output yang dihasilkan adalah “Passed”

## HasilCekDokumenUiTest.cs

### Code :

using mppl.Control;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using System;

using Microsoft.VisualStudio.TestTools.UnitTesting.Web;

namespace TestProject2

{

/// <summary>

///This is a test class for hasilCekDokumenUiTest and is intended

///to contain all hasilCekDokumenUiTest Unit Tests

///</summary>

[TestClass()]

public class hasilCekDokumenUiTest

{

private TestContext testContextInstance;

/// <summary>

///Gets or sets the test context which provides

///information about and functionality for the current test run.

///</summary>

public TestContext TestContext

{

get

{

return testContextInstance;

}

set

{

testContextInstance = value;

}

}

#region Additional test attributes

//

//You can use the following additional attributes as you write your tests:

//

//Use ClassInitialize to run code before running the first test in the class

//[ClassInitialize()]

//public static void MyClassInitialize(TestContext testContext)

//{

//}

//

//Use ClassCleanup to run code after all tests in a class have run

//[ClassCleanup()]

//public static void MyClassCleanup()

//{

//}

//

//Use TestInitialize to run code before running each test

//[TestInitialize()]

//public void MyTestInitialize()

//{

//}

//

//Use TestCleanup to run code after each test has run

//[TestCleanup()]

//public void MyTestCleanup()

//{

//}

//

#endregion

/// <summary>

///A test for hasilCekDokumenUi Constructor

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void hasilCekDokumenUiConstructorTest()

{

hasilCekDokumenUi target = new hasilCekDokumenUi();

}

/// <summary>

///A test for tampilkanHasil

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void tampilkanHasilTest()

{

hasilCekDokumenUi target = new hasilCekDokumenUi(); // TODO: Initialize to an appropriate value

target.tampilkanHasil();

}

}

}

Hasil output yang dihasilkan adalah “Passed”

## ProsesCekUiTest.cs

### Code :

using mppl.Control;

using Microsoft.VisualStudio.TestTools.UnitTesting;

using System;

using Microsoft.VisualStudio.TestTools.UnitTesting.Web;

namespace TestProject2

{

/// <summary>

///This is a test class for prosesCekUiTest and is intended

///to contain all prosesCekUiTest Unit Tests

///</summary>

[TestClass()]

public class prosesCekUiTest

{

private TestContext testContextInstance;

/// <summary>

///Gets or sets the test context which provides

///information about and functionality for the current test run.

///</summary>

public TestContext TestContext

{

get

{

return testContextInstance;

}

set

{

testContextInstance = value;

}

}

#region Additional test attributes

//

//You can use the following additional attributes as you write your tests:

//

//Use ClassInitialize to run code before running the first test in the class

//[ClassInitialize()]

//public static void MyClassInitialize(TestContext testContext)

//{

//}

//

//Use ClassCleanup to run code after all tests in a class have run

//[ClassCleanup()]

//public static void MyClassCleanup()

//{

//}

//

//Use TestInitialize to run code before running each test

//[TestInitialize()]

//public void MyTestInitialize()

//{

//}

//

//Use TestCleanup to run code after each test has run

//[TestCleanup()]

//public void MyTestCleanup()

//{

//}

//

#endregion

/// <summary>

///A test for prosesCekUi Constructor

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void prosesCekUiConstructorTest()

{

prosesCekUi target = new prosesCekUi();

}

/// <summary>

///A test for setujuBatalCek

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void setujuBatalCekTest()

{

prosesCekUi target = new prosesCekUi(); // TODO: Initialize to an appropriate value

target.setujuBatalCek();

}

/// <summary>

///A test for tampilkanKemajuan

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void tampilkanKemajuanTest()

{

prosesCekUi target = new prosesCekUi(); // TODO: Initialize to an appropriate value

target.tampilkanKemajuan();

}

/// <summary>

///A test for tampilkanKonfirmasiBatal

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void tampilkanKonfirmasiBatalTest()

{

prosesCekUi target = new prosesCekUi(); // TODO: Initialize to an appropriate value

target.tampilkanKonfirmasiBatal();

}

/// <summary>

///A test for tampilkanKonfirmasiBatalCek

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void tampilkanKonfirmasiBatalCekTest()

{

prosesCekUi target = new prosesCekUi(); // TODO: Initialize to an appropriate value

target.tampilkanKonfirmasiBatalCek();

}

/// <summary>

///A test for tekanBatal

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void tekanBatalTest()

{

prosesCekUi target = new prosesCekUi(); // TODO: Initialize to an appropriate value

target.tekanBatal();

}

/// <summary>

///A test for prosesCekUi Constructor

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void prosesCekUiConstructorTest1()

{

prosesCekUi target = new prosesCekUi();

}

/// <summary>

///A test for setujuBatalCek

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void setujuBatalCekTest1()

{

prosesCekUi target = new prosesCekUi(); // TODO: Initialize to an appropriate value

target.setujuBatalCek();

}

/// <summary>

///A test for tampilkanKemajuan

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void tampilkanKemajuanTest1()

{

prosesCekUi target = new prosesCekUi(); // TODO: Initialize to an appropriate value

target.tampilkanKemajuan();

}

/// <summary>

///A test for tampilkanKonfirmasiBatal

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void tampilkanKonfirmasiBatalTest1()

{

prosesCekUi target = new prosesCekUi(); // TODO: Initialize to an appropriate value

target.tampilkanKonfirmasiBatal();

}

/// <summary>

///A test for tampilkanKonfirmasiBatalCek

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void tampilkanKonfirmasiBatalCekTest1()

{

prosesCekUi target = new prosesCekUi(); // TODO: Initialize to an appropriate value

target.tampilkanKonfirmasiBatalCek();

}

/// <summary>

///A test for tekanBatal

///</summary>

// TODO: Ensure that the UrlToTest attribute specifies a URL to an ASP.NET page (for example,

// http://.../Default.aspx). This is necessary for the unit test to be executed on the web server,

// whether you are testing a page, web service, or a WCF service.

[TestMethod()]

[HostType("ASP.NET")]

[AspNetDevelopmentServerHost("D:\\TIAN\\KULIAH\\SEMESTER 6\\MPPL\\FP\\mppl\\mppl", "/")]

[UrlToTest("http://localhost:1904/")]

public void tekanBatalTest1()

{

prosesCekUi target = new prosesCekUi(); // TODO: Initialize to an appropriate value

target.tekanBatal();

}

}

}

**Screenshot**