

Pendahuluan

Praktikum Pemrograman Internet
Ahmad Zainudin, S.ST, M.T

Prosentase Penilaian

- Laporan : 50%
- Tugas : 20 %
- Project : 30 %

- Maksimal keterlambatan **15 menit** dari praktikum dimulai

Silabus

1. Pengenalan Materi – Instalasi Tools Pendukung
 2. Pemrograman HTML, PHP dan CSS Dasar
 3. Pemrograman HTML, PHP dan CSS Lanjut
 4. Konsep Database MySQL
 5. Database MySQL Lanjut
 6. Interkoneksi PHP-MySQL
 7. Session dan User Authentication
 8. Aplikasi Berbasis Database
 - Membuat grafik
 - Upload website di hosting-free
- Ujian Tengah Semester (UTS)**



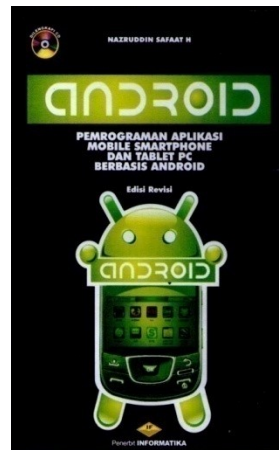
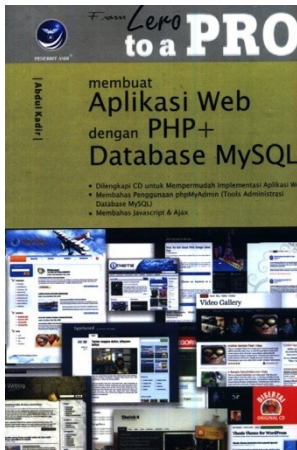
Silabus

9. Komponen GUI Android
 10. Komponen GUI Android Lanjut
 11. Multi Layer pada Android
 12. Pembuatan Form Android
 13. Interkoneksi Android (PHP+MySQL)
 14. Menampilkan Grafik pada Android
 15. Aplikasi Android
 - Instalasi aplikasi pada smartphone
 - Komunikasi Ad-Hoc dan Upload pada hosting-free
 16. Demo dan Presentasi Project
- Ujian Akhir Semester (UAS)**



Referensi

- Abdul Kadir, **From Zero to a Pro Membuat Aplikasi Web dengan PHP + database MySQL**, Andi Yogyakarta
- Abdul Kadir, **From Zero to a Pro CSS**, Andi Yogyakarta, 2011
- Nazruddin Safaat H, **Pemrograman Aplikasi Mobile Smartphone dan Tablet PC Berbasis Android Edisi Revisi**, Informatika, Bandung, 2012

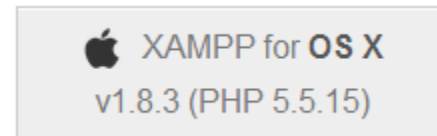
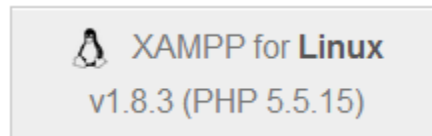
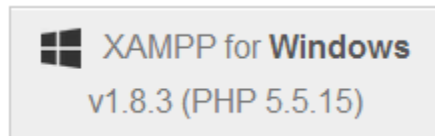


Tools

- Xampp : Apache (Web Server), PHP, MySQL
- Notepad++, Macromedia Dreamweaver → Editor
- MySQL → Database Server
- Eclipse + Plugin ADT + SDK Android
Pemrograman Android

Xampp → Apache (Web Server), PHP, MySQL

- Xampp : Software yang terdiri dari → Apache (Web Server, PHP, dan MySQL (Database Server)
- Dapat berjalan di multi platform

A screenshot of a web browser showing the XAMPP for Windows installation page. The browser's address bar shows "localhost/xampp/". The page title is "XAMPP for Windows". The main content area has a yellow background and contains the following text:

Welcome to XAMPP for Windows!

Congratulations:
You have successfully installed XAMPP on this system!

Now you can start using Apache and Co. You should first try »Status« on the left navigation to make sure everything works fine.
For OpenSSL support please use the test certificate with <https://127.0.0.1> or <https://localhost>

Good luck, Kay Vogelgesang + Kai 'Oswald' Seidler

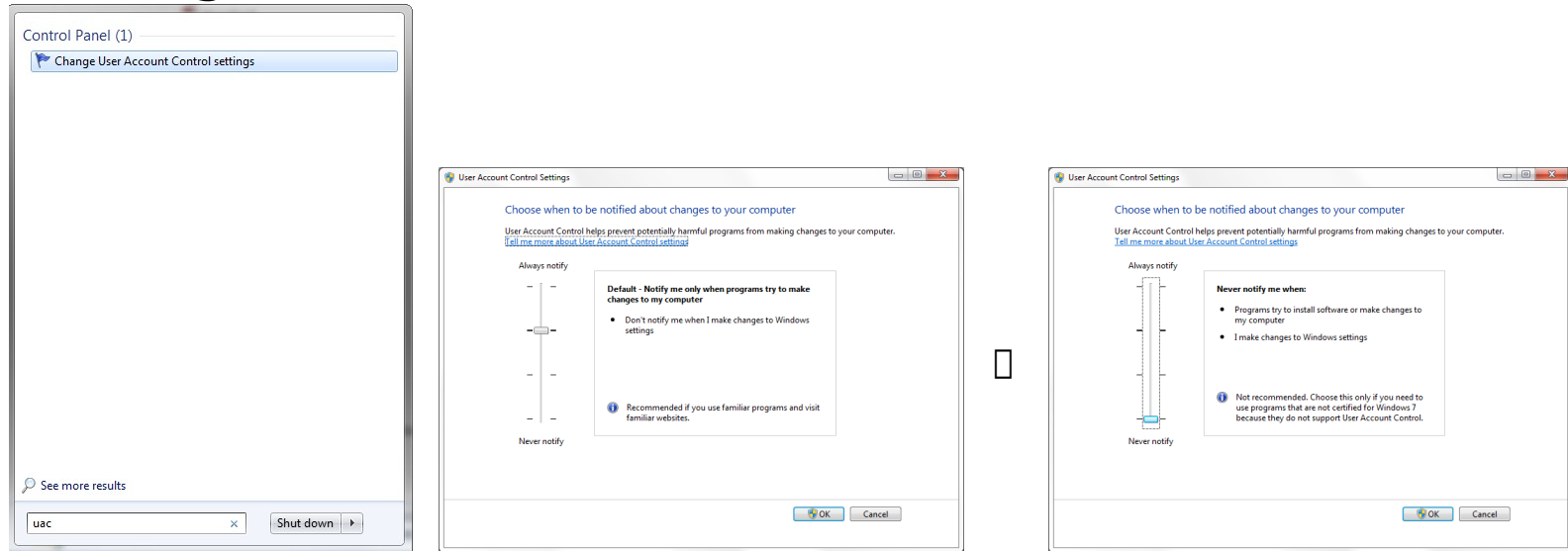
Install applications on XAMPP using BitNami

Apache Friends and BitNami are cooperating to make dozens of open source applications available on XAMPP, for free. BitNami-packaged applications include Wordpress, Drupal, Joomla! and dozens of others and can be deployed with one-click installers. Visit the [BitNami XAMPP page](#) for details on the currently available apps.

Below the text are icons for WordPress, Joomla!, Drupal, and Magento. On the left side of the page, there is a navigation menu with the following items: XAMPP 1.8.3 (PHP: 5.5.14), Welcome, Status, Security, Documentation, Components, Applications, Php phpinfo(), CD Collection, Birthday, Instant Art, Phone Book, Perl perlinfo(), Guest Book, J2ee Info, Tomcat examples, Tools phpMyAdmin, FileZilla FTP, Webalizer, Mail. At the bottom left, it says "©2005-2014 -APACHE FRIENDS...".

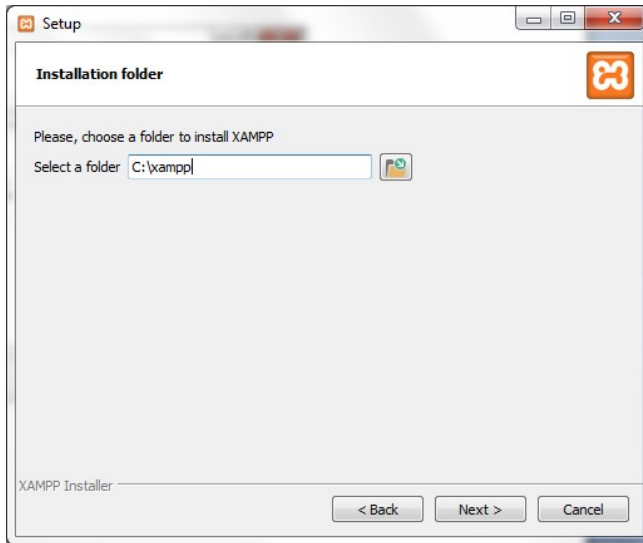
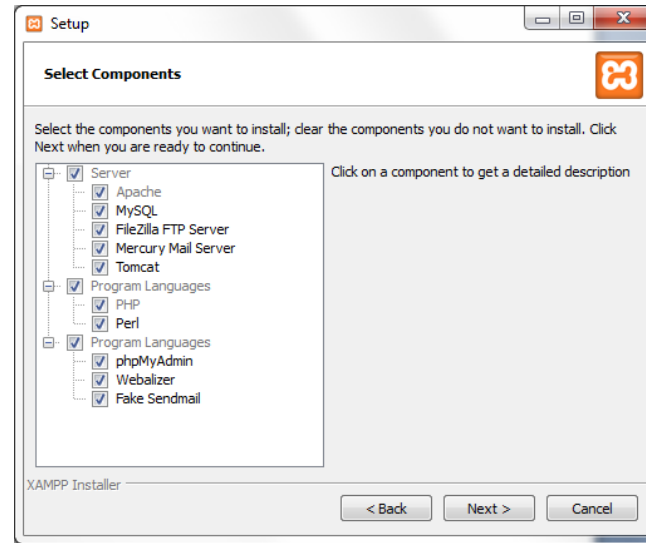
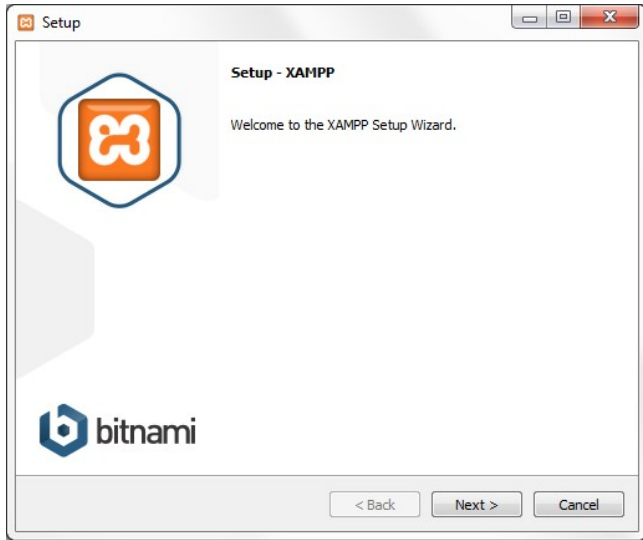
Instalasi Xampp

■ Setting UAC



- Setting UAC digunakan untuk mengatur permission file
- Agar file xampp bersifat read/write

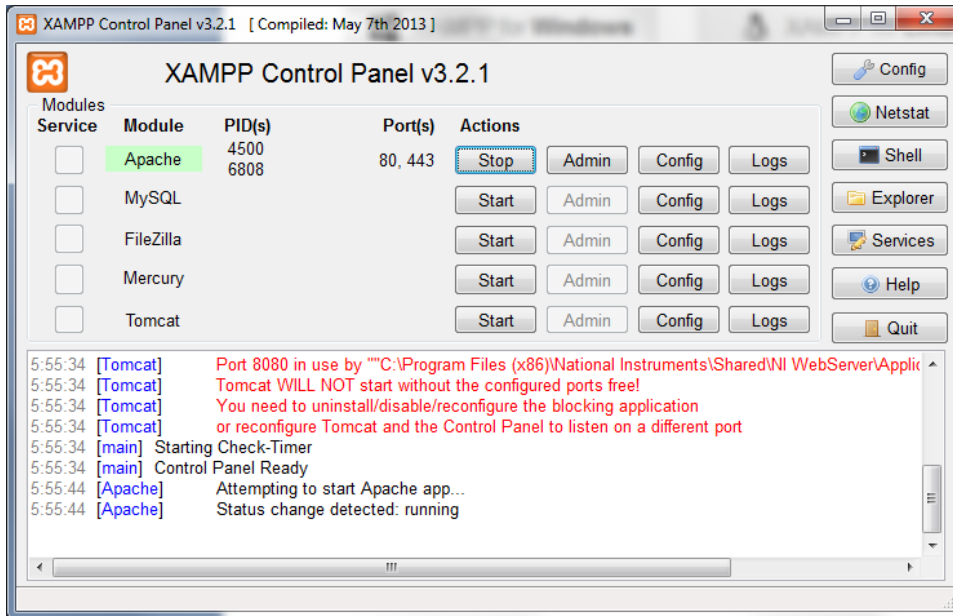
Instalasi Xampp



- Install secara default
- Hasil instalasi xampp terletak pada direktori C:

Xampp → Apache (Web Server), PHP, MySQL

Xampp Control Panel



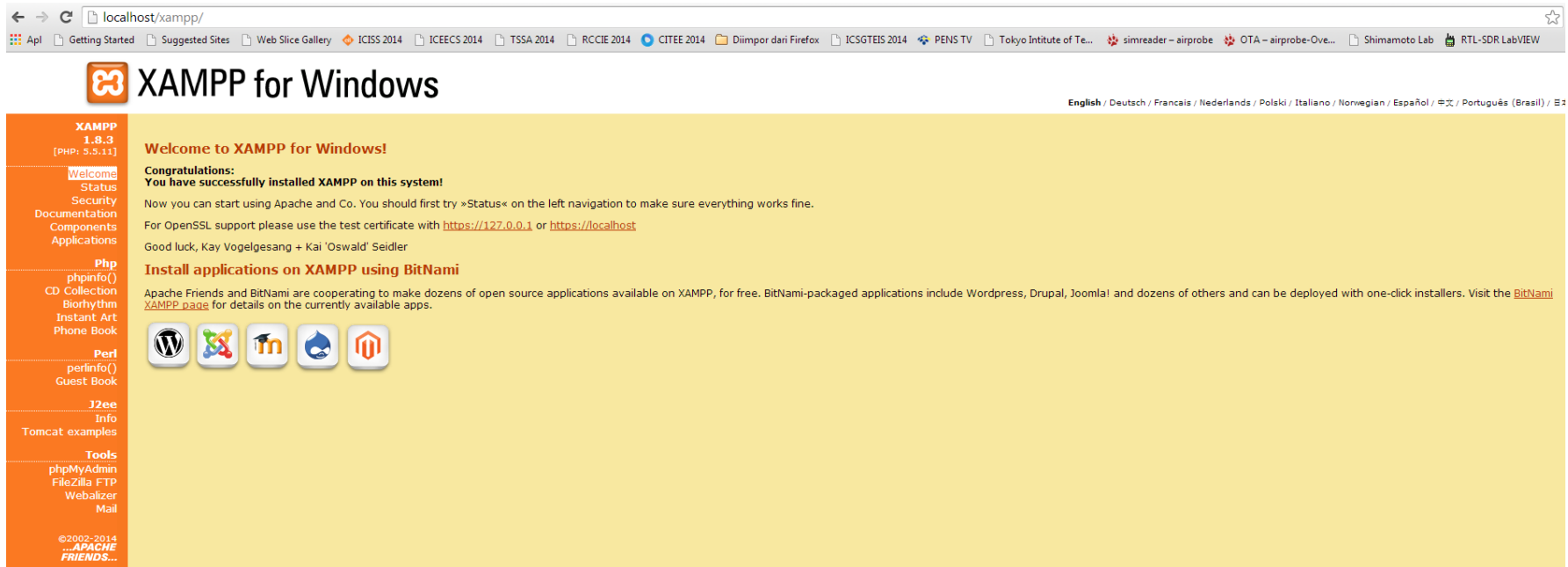
Terdiri dari beberapa modul :

- Apache □ Web Server
- MySQL □ Database Server
- FileZilla □ FTP Server
- Mercury □ Local Mail Server
- Tomcat □ Web Server □ JSP



Xampp → Apache (Web Server), PHP, MySQL

Menjalan Browser → Pengecekan Web Server (localhost)



The screenshot shows a web browser window with the address bar set to `localhost/xampp/`. The page title is "XAMPP for Windows". The main content area is yellow and contains the following text:

Welcome to XAMPP for Windows!

Congratulations:
You have successfully installed XAMPP on this system!

Now you can start using Apache and Co. You should first try »Status« on the left navigation to make sure everything works fine.

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Below the text are five icons representing different applications: WordPress, Joomla!, Drupal, Apache, and Magento.

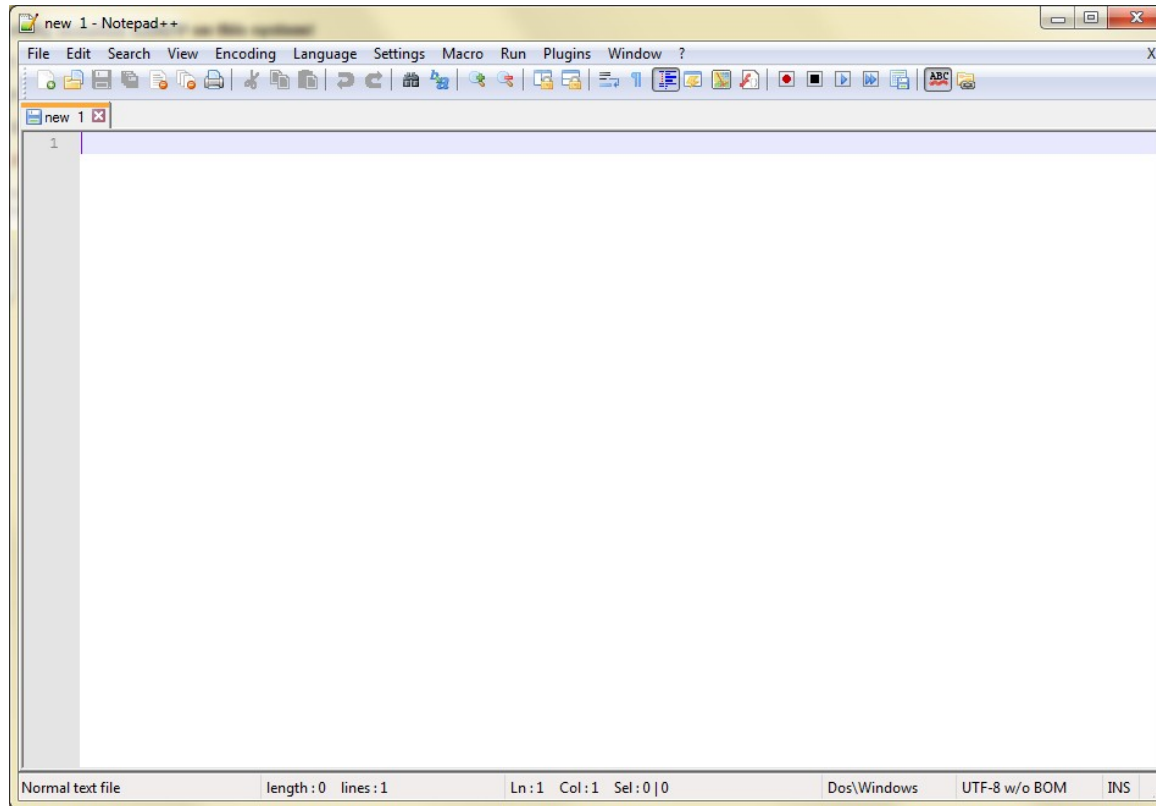
The left sidebar is orange and contains the following navigation links:

- XAMPP 1.8.3 [PHP: 5.5.11]
- Welcome
- Status
- Security
- Documentation
- Components
- Applications
- Php
- phpinfo()
- CD Collection
- Biorhythm
- Instant Art
- Phone Book
- Perl
- perlnfo()
- Guest Book
- J2ee
- Info
- Tomcat examples
- Tools
- phpMyAdmin
- FileZilla FTP
- Webalizer
- Mail

At the bottom of the sidebar, it says: ©2002-2014 ...APACHE FRIENDS...

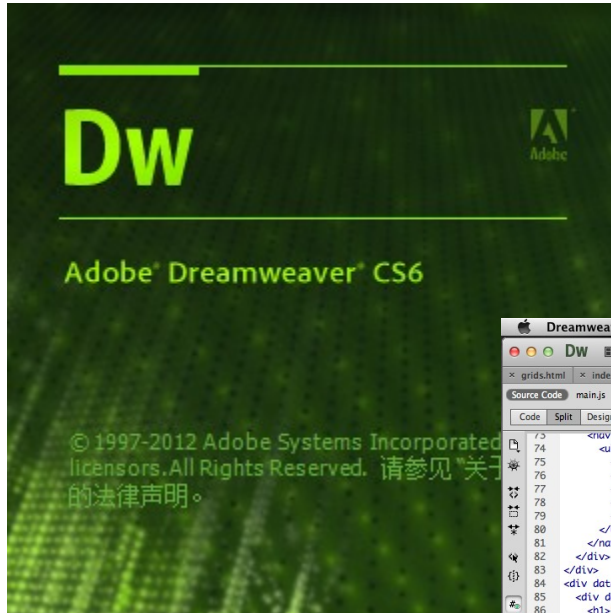
Editor

- Notepad++

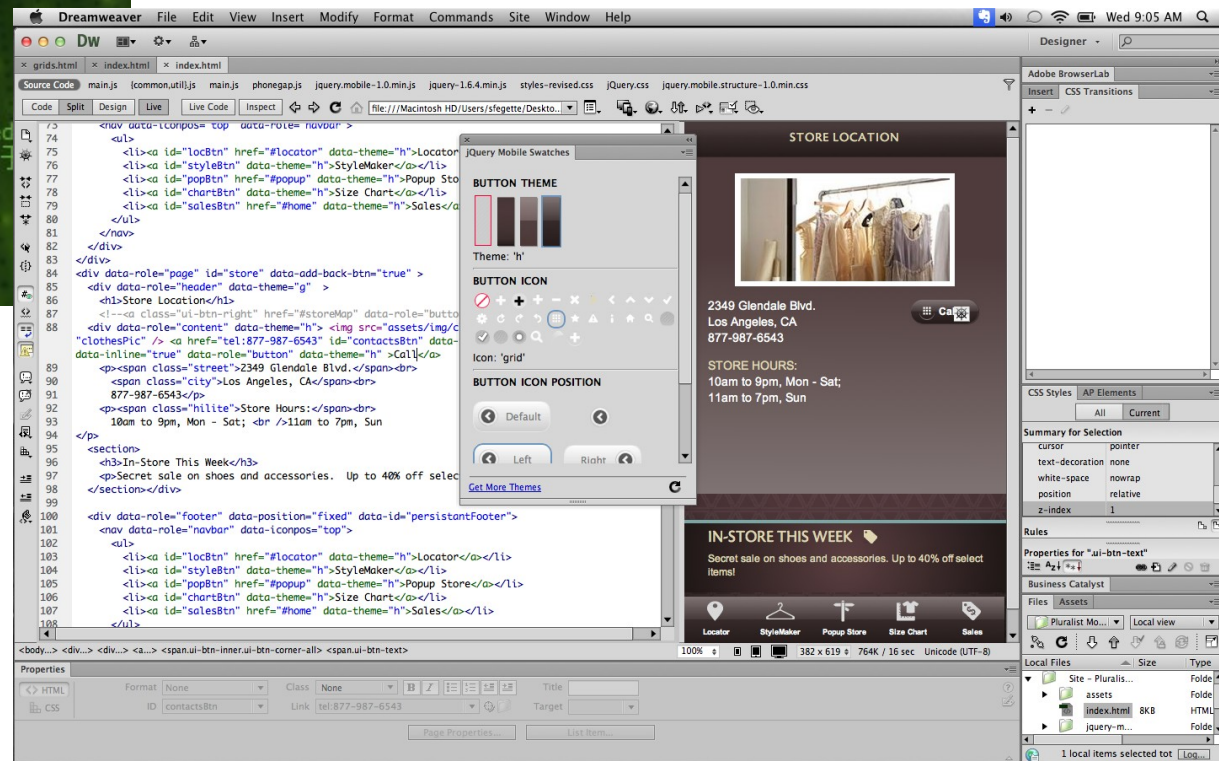


Editor

- Adobe Dreamweaver







- Editor website
- Menampilkan code dan design sekaligus

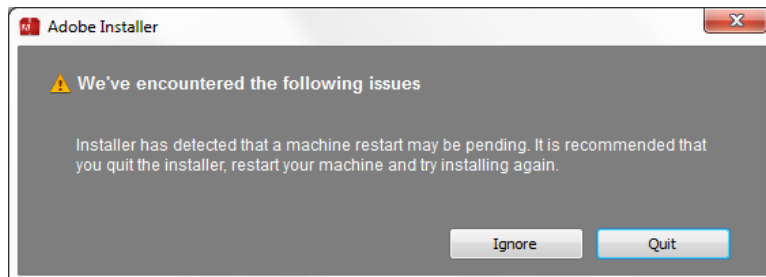


Instalasi Adobe Dreamweaver

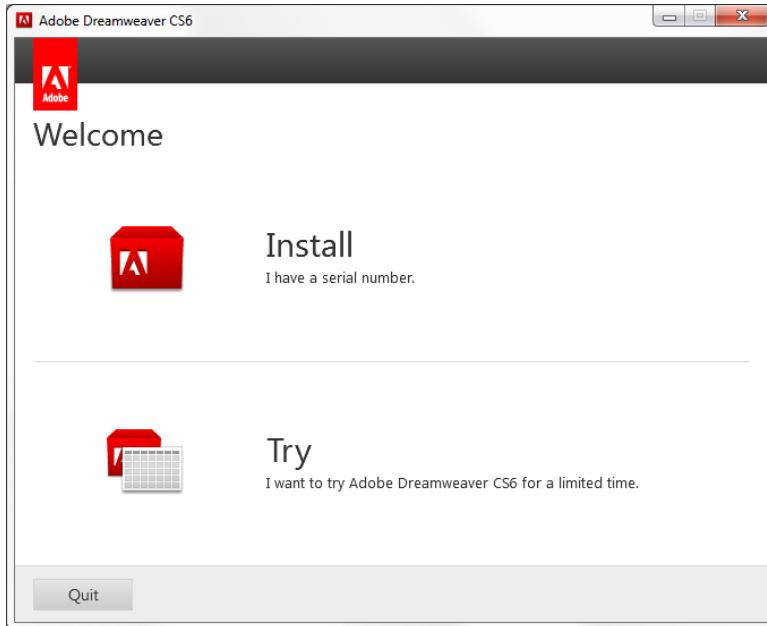
- Download installer
- Pastikan PC / Laptop Anda tidak terhubung koneksi internet
- Ekstrak File Adobe Dreamweaver CS6.rar
- Buka folder Adobe dreamweaver CS6 dan jalankan file **Set-up.exe**

- | | | | |
|---|-----------------|-------------|----------|
|  packages | 11/12/2013 6:18 | File folder | |
|  payloads | 11/12/2013 6:18 | File folder | |
|  resources | 11/12/2013 6:18 | File folder | |
|  Set-up | 11/12/2013 6:55 | Application | 2.163 KB |

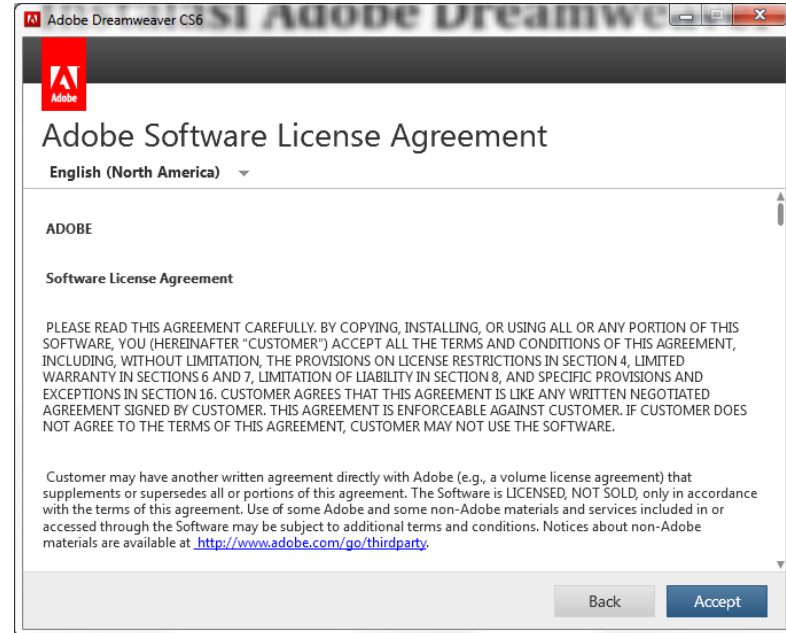
- Apabila ada peringatan seperti ini pilih “Ignore”



Instalasi Adobe Dreamweaver



Pilih Install

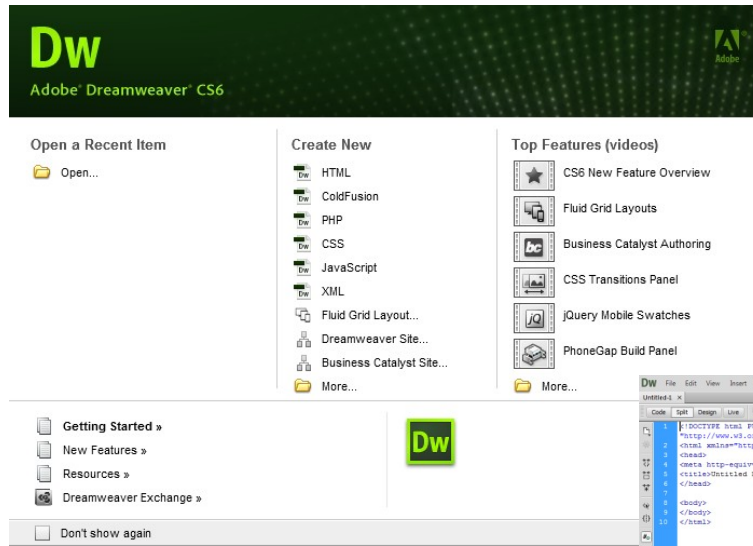


Pilih Accept

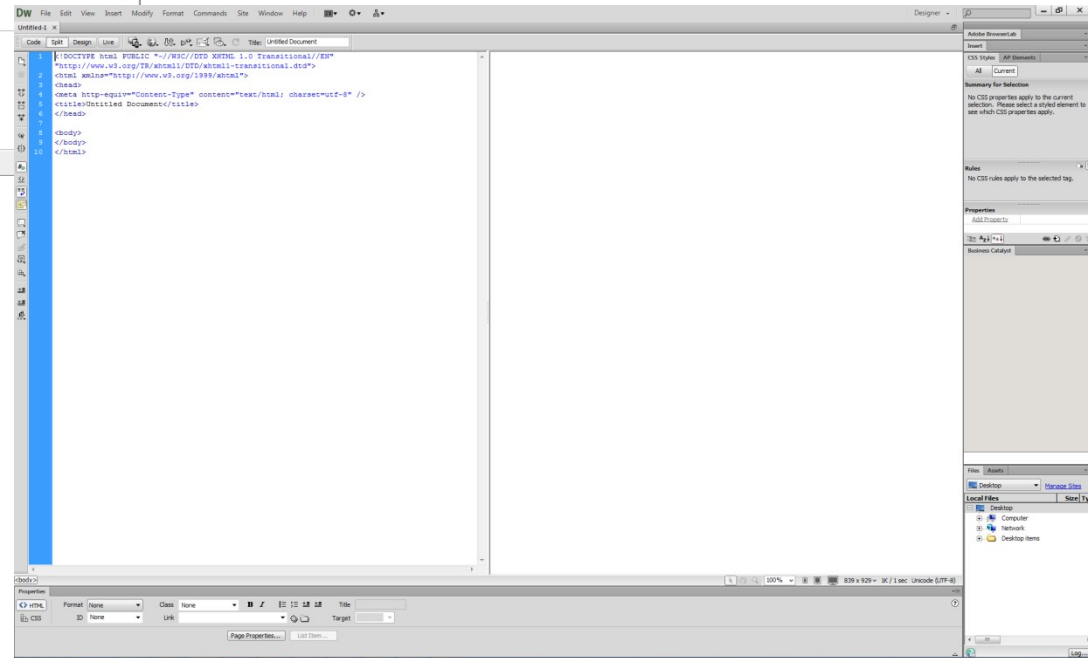
CATATAN: sebelum lanjut pastikan dulu sudah tidak terhubung dengan internet. Jika sudah lanjutnya klik "install"

Macromedia Dreamweaver

- Pilih dokumen yang akan dibuat



- Misalkan PHP



Pengenalan PHP

- PHP bahasa scripting server-side untuk membuat website interaktif dan dinamis.
- Banyak digunakan, free.
- Dapat diembeddedkan langsung kedalam file HTML
- Sintaks PHP hampir sama dengan perl dan C. PHP banyak digunakan bersama dengan Apache (web server) disemua sistem operasi.



Pengenalan PHP

- PHP Kependekan dari **P**HP: **H**ypertext **P**reprocessor
- PHP adalah bahasa server-side scripting , seperti ASP
- PHP script dieksekusi di server dan mendukung hampir semua server (IIS, Apache, dll)
- PHP mendukung banyak databases (MySQL, Informix, Oracle, Sybase, Solid, PostgreSQL, Generic ODBC)
- PHP adalah software open source (OSS), dapat didownload di www.php.net



Sintak Dasar PHP

- Script PHP dapat ditempatkan dimanapun di dalam dokumen HTML.

- Cara penulisan sintak PHP :

Cara 1 (Recommended)

<?php menandai awal tag

...

?> menandai akhir tag

Cara 2

<? menandai awal tag

...

?> menandai akhir tag

Cara 3

<script language="php"> menandai awal script

...

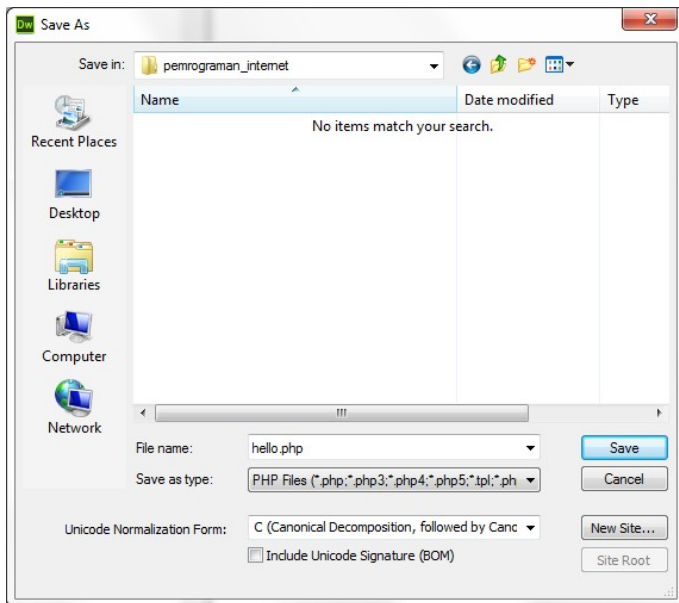
</script> menandai akhir script

- Setiap baris code diakhiri dengan semicolon (;)



Sintak PHP Sederhana

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <title>Contoh Sintak</title>
6 </head>
7 <body>
8     <?php
9         echo "Hello World";
10        echo "<br>";
11        echo "Belajar HTML-PHP-MySQL";
12    ?>
13 </body>
14 </html>
```



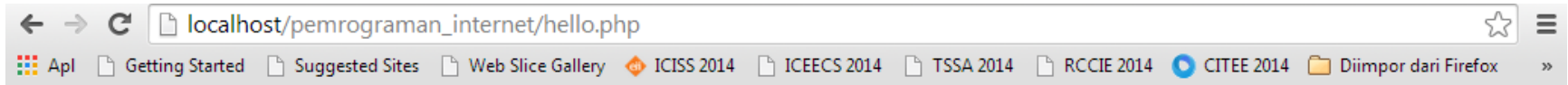
Simpan dengan ekstensi .php pada folder
C://xampp/htdocs/**pemrograman_internet**

Folder pemrograman_internet dan ditentukan sendiri namanya



Sintak PHP Sederhana

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <title>Contoh Sintak</title>
6 </head>
7 <body>
8     <?php
9         echo "Hello World";
10        echo "<br>";
11        echo "Belajar HTML-PHP-MySQL";
12    ?>
13 </body>
14 </html>
```



Hello World
Belajar HTML-PHP-MySQL

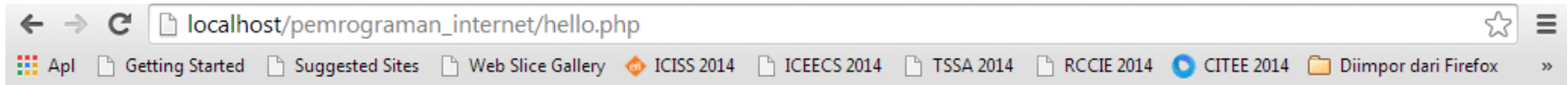


Cascading Style Sheets (CSS)

- Prinsip dasar penggunaan CSS di dalam dokumen HTML yaitu untuk menyediakan **style** yang dipakai untuk mengatur bagian-bagian dalam HTML
- Sebagai contoh, suatu style dapat dipakai untuk mengatur jenis, ukuran dan warna suatu teks.

Tanpa CSS

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <title>Contoh Sintak</title>
6 </head>
7 <body>
8     <?php
9         echo "Hello World";
10        echo "<br>";
11        echo "Belajar HTML-PHP-MySQL";
12    ?>
13 </body>
14 </html>
```



Hello World
Belajar HTML-PHP-MySQL



Menggunakan CSS Sederhana

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
2 <html xmlns="http://www.w3.org/1999/xhtml">
3 <head>
4 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
5 <title>Contoh Sintak dengan CSS</title>
6   <style type="text/css">
7     div {
8       font-family:Verdana, Geneva, sans-serif;
9       color:#30F;
10    }
11  </style>
12 </head>
13 <body>
14   <div>
15     <?php
16       echo "Hello World";
17       echo "<br>";
18       echo "Belajar HTML-PHP-MySQL";
19     ?>
20   </div>
21 </body>
22 </html>
```

