

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

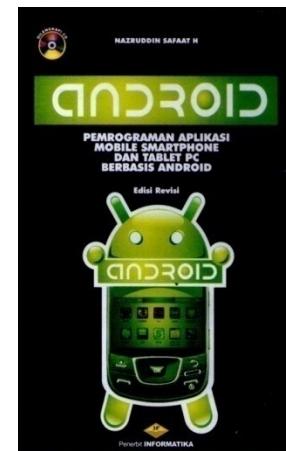
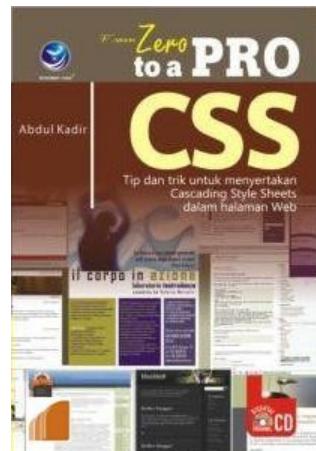
9. Komponen GUI Android
10. Komponen GUI Android Lanjut
11. Multi Layer pada Android
12. Pembuatan Form Android
13. Interkoneksi Android (PHP+MySQL)
14. Menampilkan Grafik pada Android
15. Aplikasi Android
 - Instalasi aplikasi pada smartphone
 - Komunikasi Ad-Hoc dan Upload pada hosting-free
16. Demo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

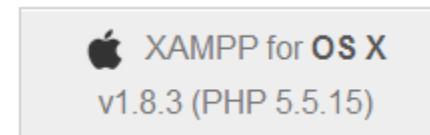
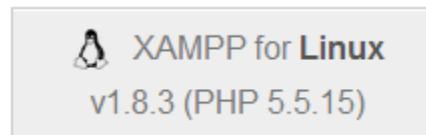
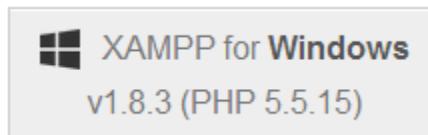


Tools

- 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



localhost/xampp/

Apl Getting Started Suggested Sites Web Slice Gallery ICEECS 2014 TSSA 2014 RCCIE 2014 CITEE 2014 Dilmop dari Firefox ICSGTEIS-2014 PENS TV Tokyo Intitute of Te... simreader - airprobe OTA - airprobe-Ove... Shimamoto Lab RTL-SDR LabVIEW

XAMPP for Windows

English / Deutsch / Français / Nederlands / Polski / Italiano / Norwegian / Español / 中文 / Português (Brasil)

XAMPP 1.8.3 [PHP 5.5.11]

Welcome Status Security Documentation Components Applications

PHP `phpinfo()` CD Collection Biorhythm Instant Art Phone Book

Perl `perlinfo()` Guest Book

J2ee `Info` Tomcat examples

Tools phpMyAdmin FileZilla FTP Webalizer Mail

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, Kai 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.

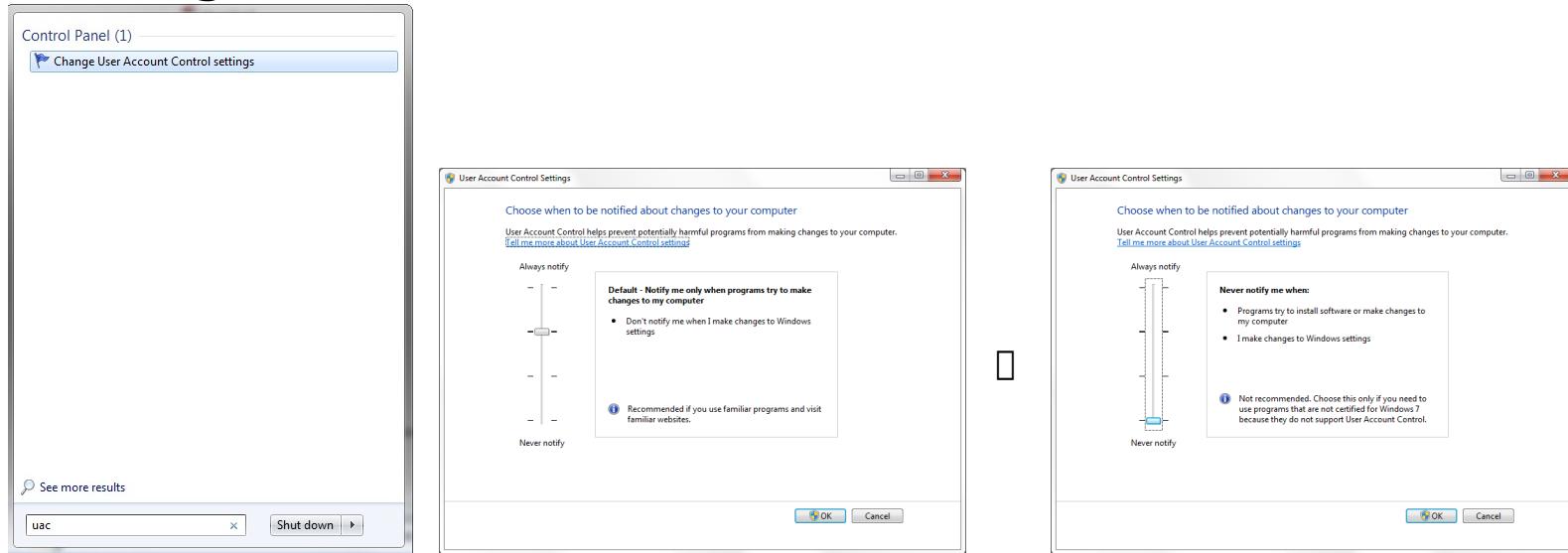


©2002-2014 ...APACHE FRIENDS...



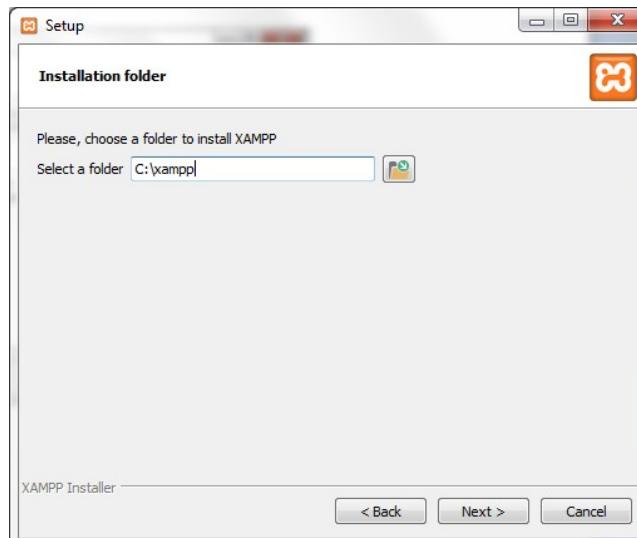
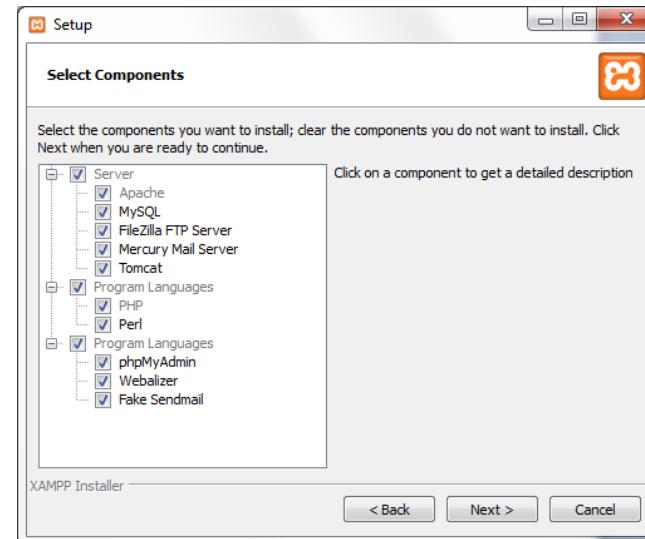
Instalasi Xampp

■ Setting UAC



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

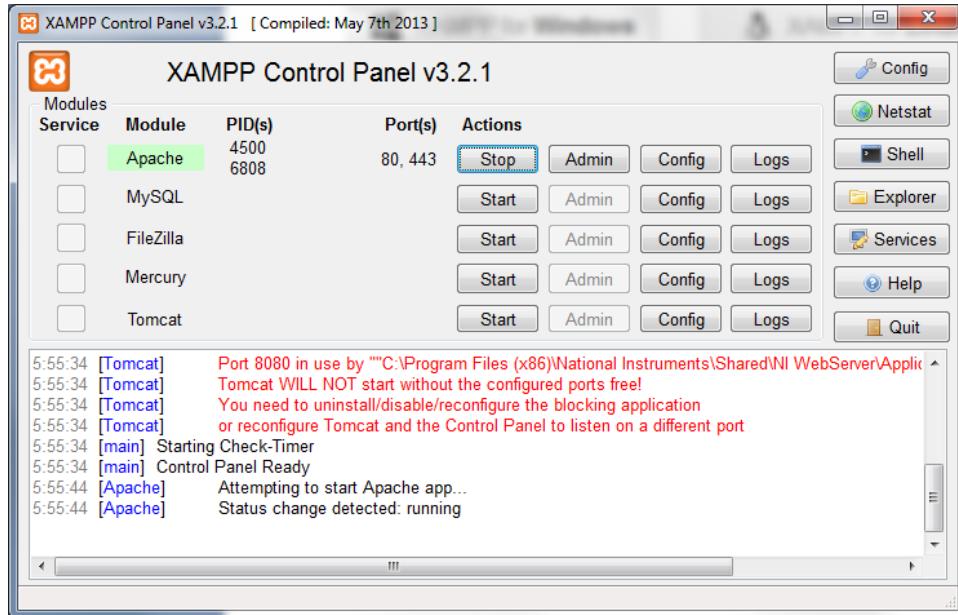
Instalasi Xampp



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

Xampp → Apache (Web Server), PHP, MySQL

Xampp Control Panel



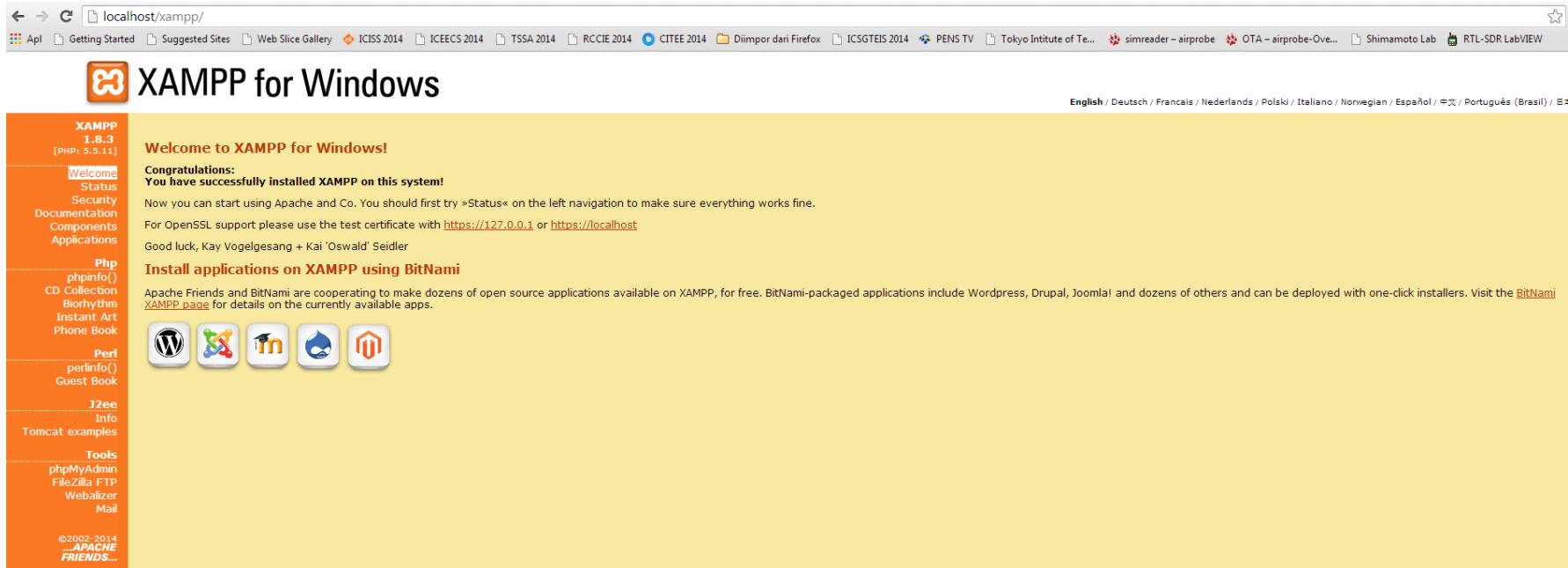
Terdiri dari beberapa modul :

- 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)



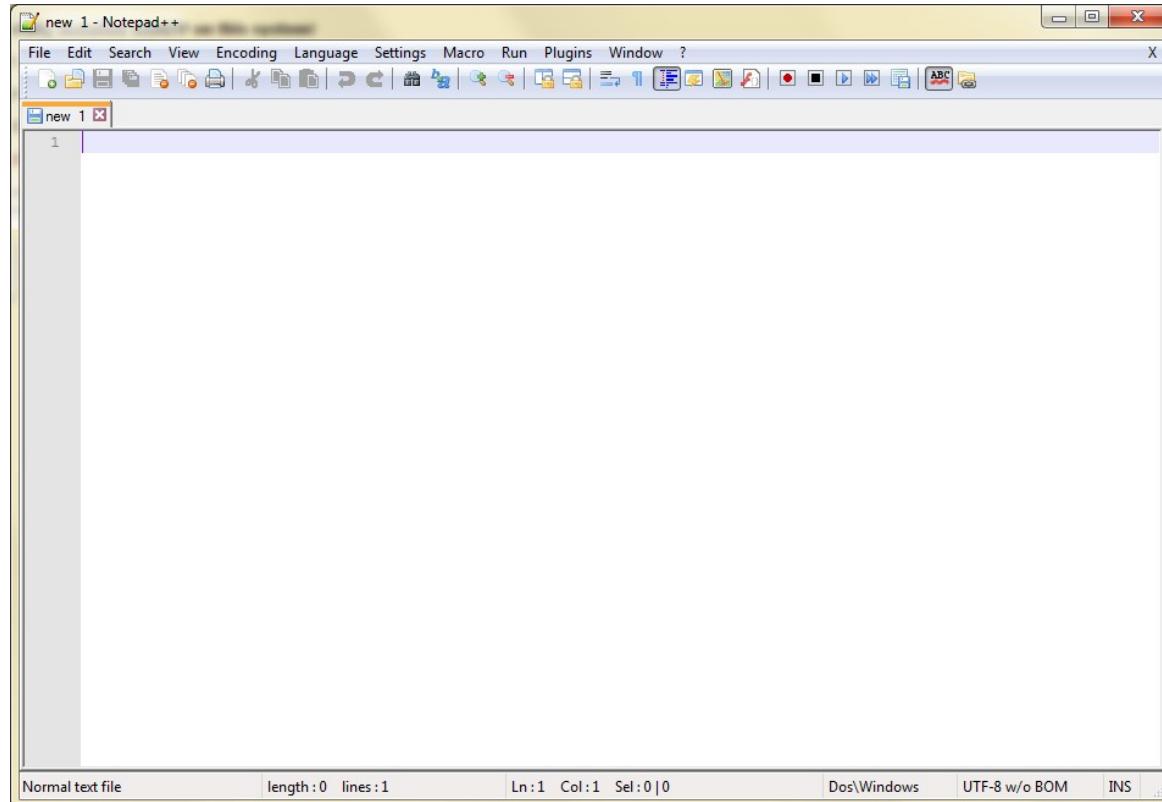
The screenshot shows a web browser window with the URL `localhost/xampp/` in the address bar. The page title is "XAMPP for Windows". The main content area displays a "Welcome to XAMPP for Windows!" message, stating that the installation was successful. It provides instructions for starting Apache and OpenSSL support, and credits Kay Vogelgesang and Kai 'Oswald' Seidler. Below this, there's a section titled "Install applications on XAMPP using BitNami" which lists various open-source applications available for deployment, such as WordPress, Drupal, Joomla!, and others. On the left side, there is a vertical navigation menu with the following items:

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

At the bottom of the menu, it says "©2002-2014 APACHE FRIENDS". The top right corner of the page shows language links: English / Deutsch / Français / Nederlands / Polski / Italiano / Norwegian / Español / 中文 / Português (Brasil) / 日本語.

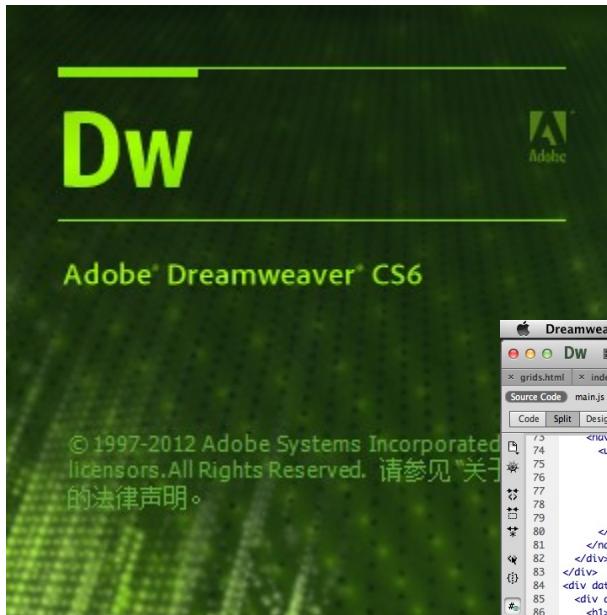
Editor

- Notepad++



Editor

■ Adobe Dreamweaver

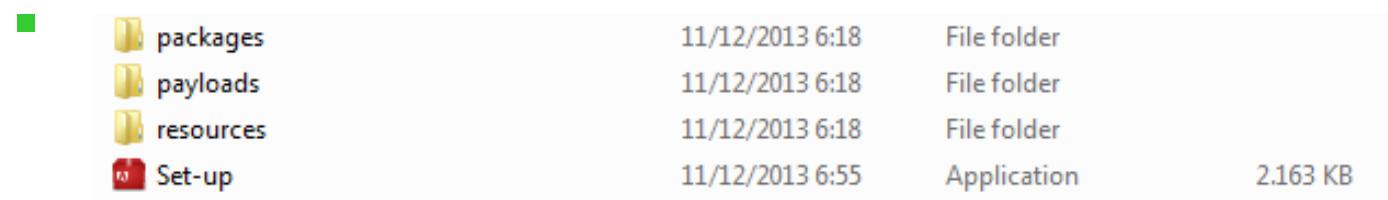


A screenshot of the Adobe Dreamweaver interface. The top menu bar includes File, Edit, View, Insert, Modify, Format, Commands, Site, Window, and Help. The title bar says "Dreamweaver DW index.html". The main workspace shows an HTML file with code. A sidebar panel titled "jQuery Mobile Swatches" displays a color palette and theme selection. Another panel titled "STORE LOCATION" shows a preview of a mobile application interface with a photo of clothes on a rack and address details. The "Properties" panel at the bottom shows HTML and CSS properties for selected elements. The "CSS Styles" panel lists styles for ".ui-btm-text". The "Local Files" panel shows the project structure with files like "index.html", "assets", and "jquery.js". The "Adobe BrowserLab" panel is also visible.

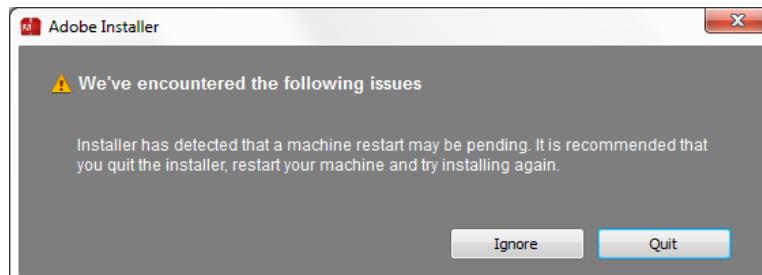
- Editor website
- Menampilkan code dan design sekaligus

Instalasi Adobe Dreamweaver

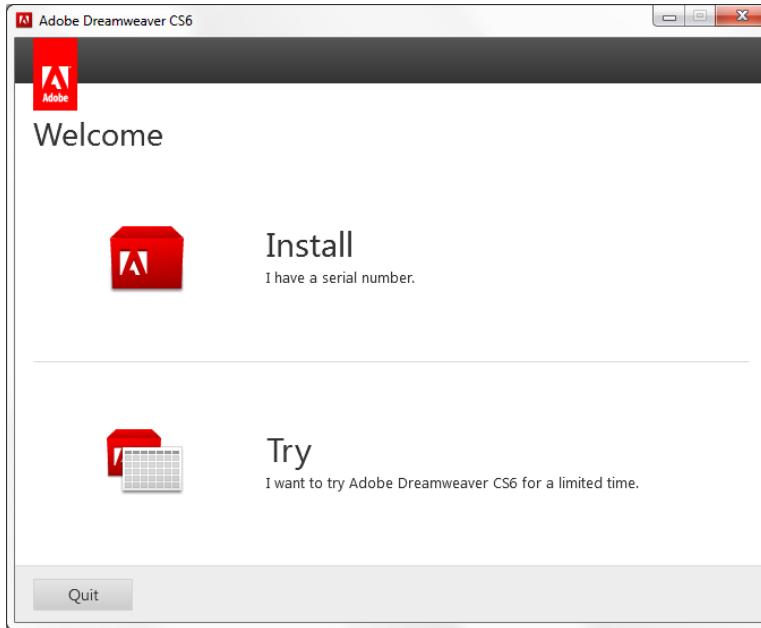
- Download installer
- Pastikan PC / Laptop Anda tidak terhubung koneksi internet
- Ekstrak File Adobe Dreamweaver CS6.rar
- Buka folder Adobe dreamweaver CS6 dan jalankan file **Set-up.exe**



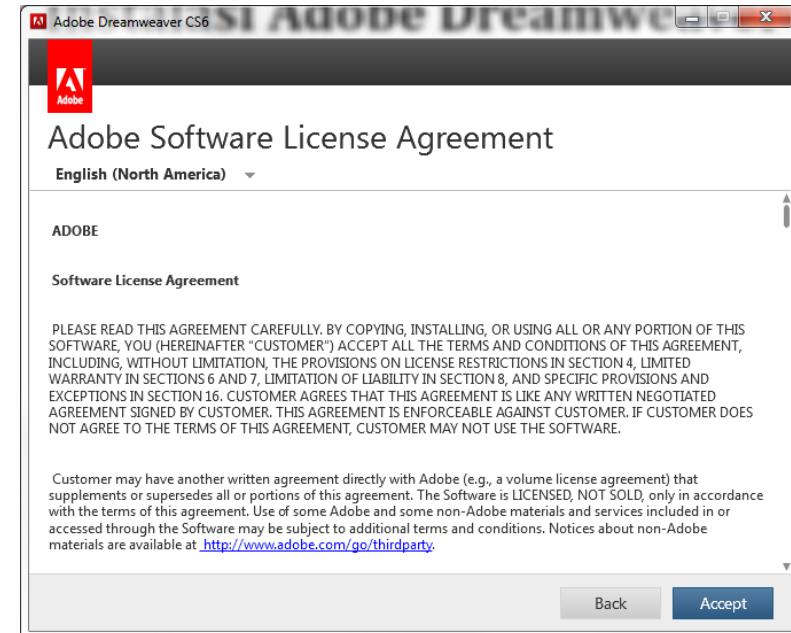
- Apabila ada peringatan seperti ini pilih “Ignore”



Instalasi Adobe Dreamweaver



Pilih Install

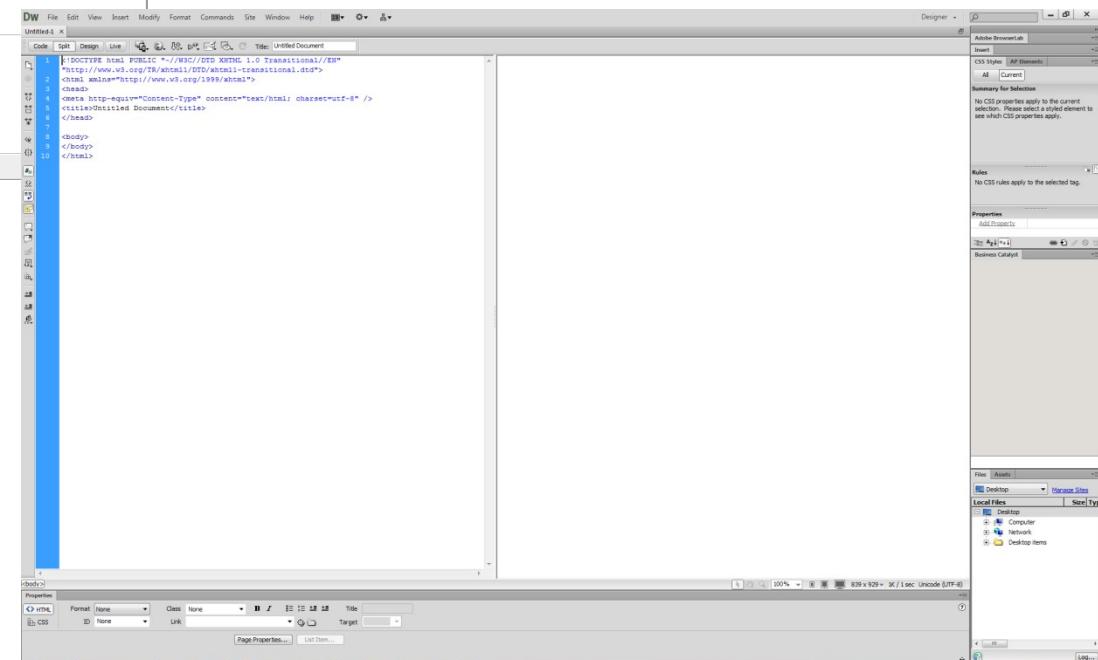
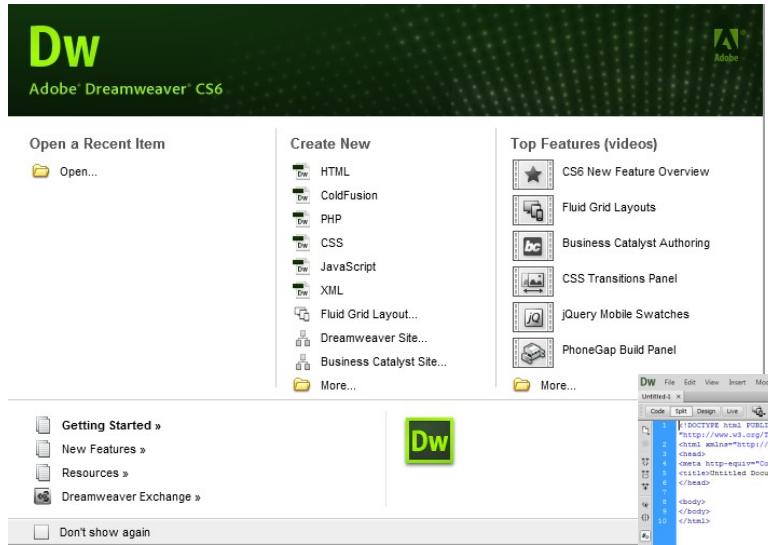


Pilih Accept

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 diembededkan 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 **PHP**: **Hypertext Preprocessor**
- 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

...

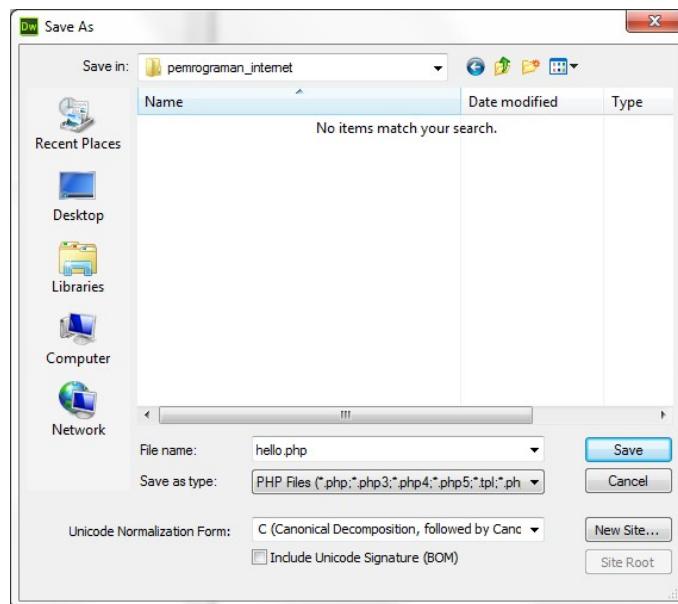
</script> menandai akhir script

- Setiap baris code diakhiri dengan semicolon (;)



Sintak PHP Sederhana

```
1 <!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml">
4 <head>
5 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
6 <title>Contoh Sintak</title>
7 </head>
8 <body>
9     <?php
10        echo "Hello World";
11        echo "<br>";
12        echo "Belajar HTML-PHP-MySQL";
13    ?>
14 </body>
15 </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"
2 "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
3 <html xmlns="http://www.w3.org/1999/xhtml">
4 <head>
5 <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
6 <title>Contoh Sintak</title>
7 </head>
8 <body>
9     <?php
10        echo "Hello World";
11        echo "<br>";
12        echo "Belajar HTML-PHP-MySQL";
13    ?>
14 </body>
15 </html>
```

A screenshot of a Firefox browser window. The address bar shows the URL `localhost/pemrograman_internet/hello.php`. The page content area displays the output of the PHP script, which consists of three lines of text: "Hello World", a blank line, and "Belajar HTML-PHP-MySQL". The browser interface includes standard navigation buttons (back, forward, search), a toolbar with various icons, and a tab bar with several open tabs.

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

A screenshot of a web browser window. The address bar shows 'localhost/pemrograman_internet/hello.php'. The page content displays two lines of text: 'Hello World' and 'Belajar HTML-PHP-MySQL'. The browser interface includes standard navigation buttons (back, forward, search), a toolbar with various icons, and a tab bar with several open tabs.

Hello World
Belajar HTML-PHP-MySQL



Menggunakan CSS Sederhana

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



A screenshot of a web browser window. The address bar shows the URL `localhost/pemrograman_internet/hello-css.php`. The page content displays the text "Hello World" on one line and "Belajar HTML-PHP-MySQL" on the next line, both in a blue font. The browser interface includes standard navigation buttons (back, forward, search) and a toolbar with various links like "Appl", "Getting Started", and "Diimpor dari Firefox".