
Pendahuluan

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

Prosentase Penilaian

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

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

Tata Tertib Praktikum

1

Datang Tepat waktu – toleransi keterlambatan 15 menit dari praktikum dimulai.

2

Harus membawa buku petunjuk praktikum.

3

Mengumpulkan Laporan Pendahuluan sebelum praktikum.

4

Mengumpulkan Laporan Resmi.

5

Pakaian rapi – bersepatu, dan jas lab.

6

Ketidakhadiran harus ada ijin tertulis.

7

Menjaga kebersihan dan kerapian Lab.

8

Mengembalikan peralatan yang digunakan setelah praktikum selesai

9

Petugas piket bertugas membersihkan laboratorium setelah praktikum selesai

Laporan

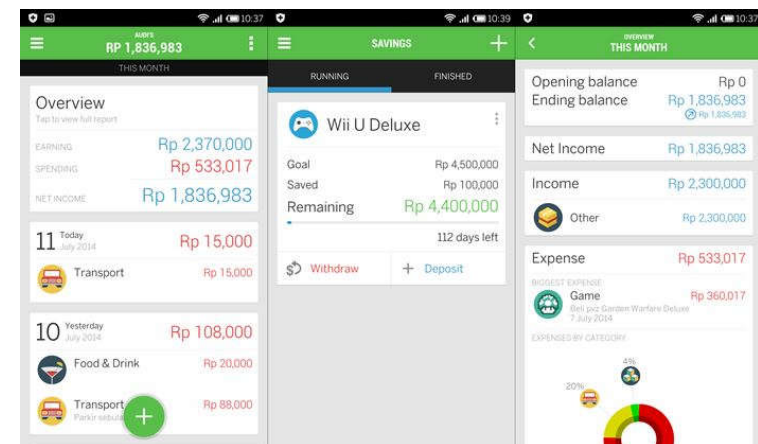
- ❑ **Laporan Pendahuluan (Sebelum Praktikum) terdiri dari :**
 - Judul
 - Tujuan
 - Dasar Teori
 - Langkah Percobaan

- ❑ **Laporan Sementara (Saat Praktikum) terdiri dari :**
 - Judul
 - Tujuan
 - Hasil Percobaan

- ❑ **Laporan Resmi (Setelah Praktikum) terdiri dari :**
 - Laporan Pendahuluan
 - Analisa
 - Kesimpulan
 - Print laporan sementara dilampirkan
 - Tugas Resmi (bila ada)

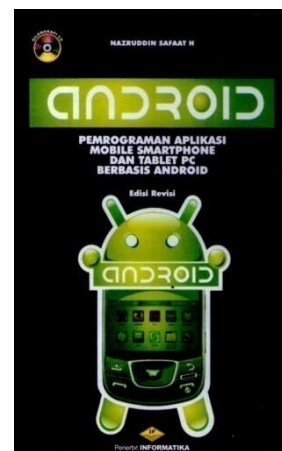
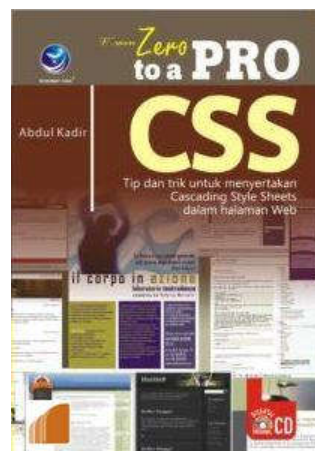
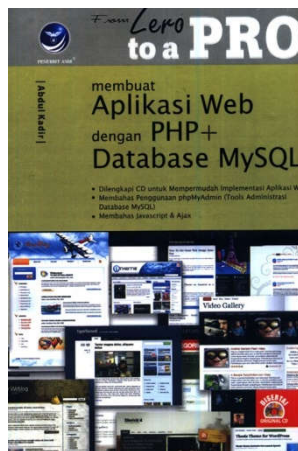
Silabus

8. Review Pemrograman Mobile Android
9. Komponen GUI Android
10. Multi Activity
11. Interkoneksi Client-Server Android
12. JQuery Mobile
13. JQuery Mobile Client-Server



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

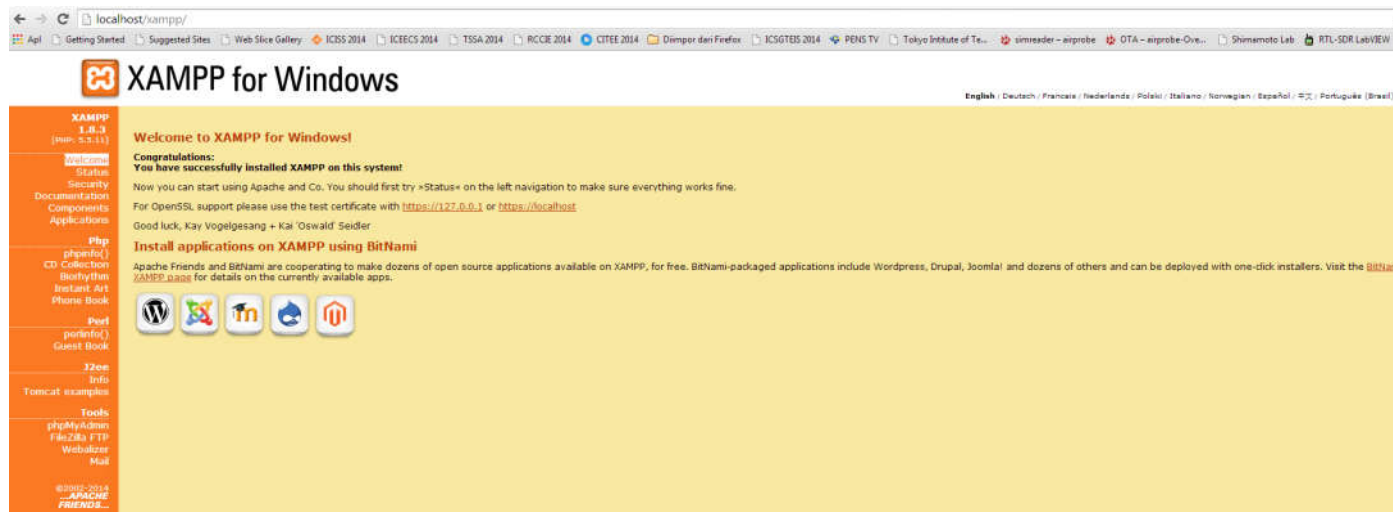
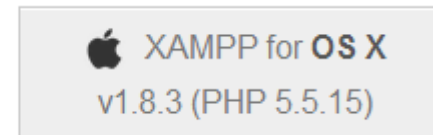
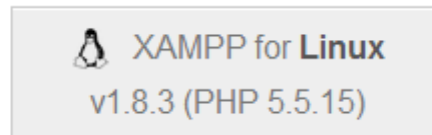
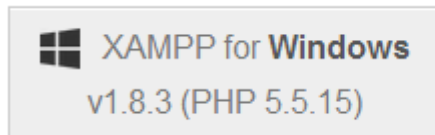
- Xampp : Apache (Web Server), PHP, MySQL
- Sublime → Editor
- MySQL → Database Server
- Eclipse + Plugin ADT + SDK Android
- Android Studio



```
File Edit Selection Find View Goto Tools Project Preferences Help
&
1 <!DOCTYPE html>
2 <html lang="en">
3 <head>
4 <meta charset="utf-8" />
5 <title>Smashing HTML5!</title>
6
7 <link rel="stylesheet" href="css/main.css" type="text/css" />
8
9 <!--[if IE]>
10 <script src="http://html5shiv.googlecode.com/svn/trunk/html5.js"></script><![endif]-->
11 <!--[if lte IE 7]>
12 <script src="js/IE8.js" type="text/javascript"></script><![endif]-->
13 <!--[if lt IE 7]>
14
15 <link rel="stylesheet" type="text/css" media="all" href="css/ie6.css"><![endif]-->
16 </head>
17 <body id="index" class="home">
18 </body>
19 </html>
20
Line 1, Column 16 Tab Size: 4 HTML
```

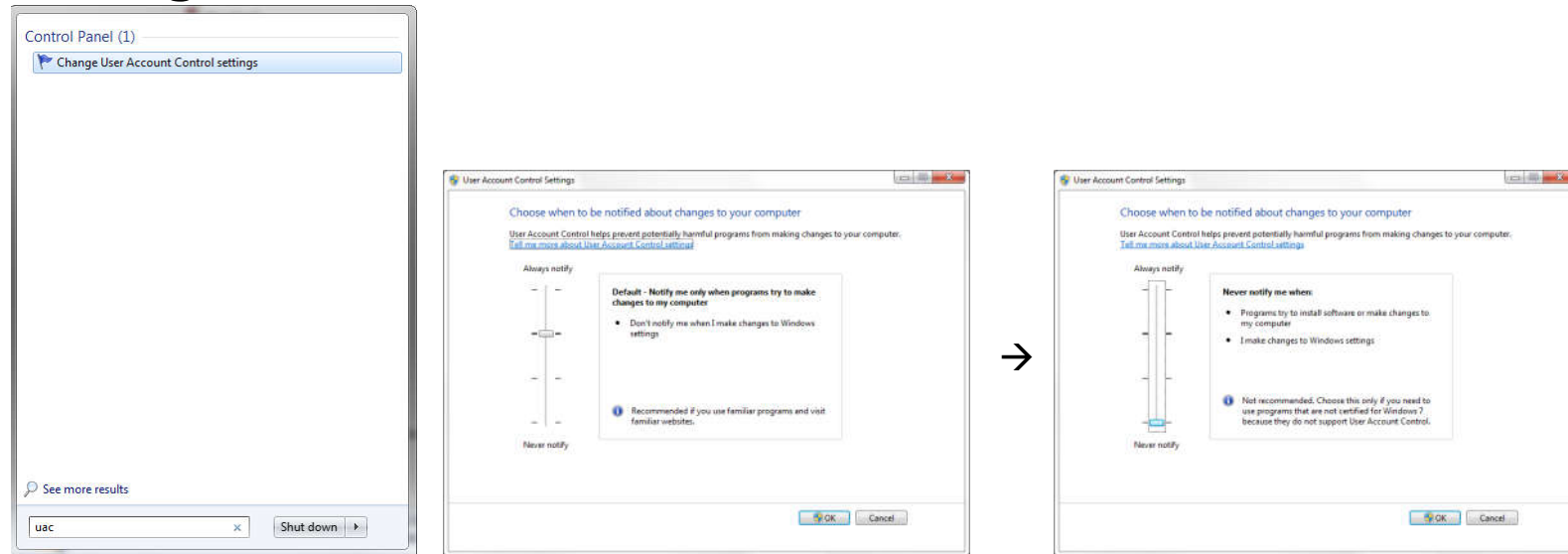

Xampp → Apache (Web Server), PHP, MySQL

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



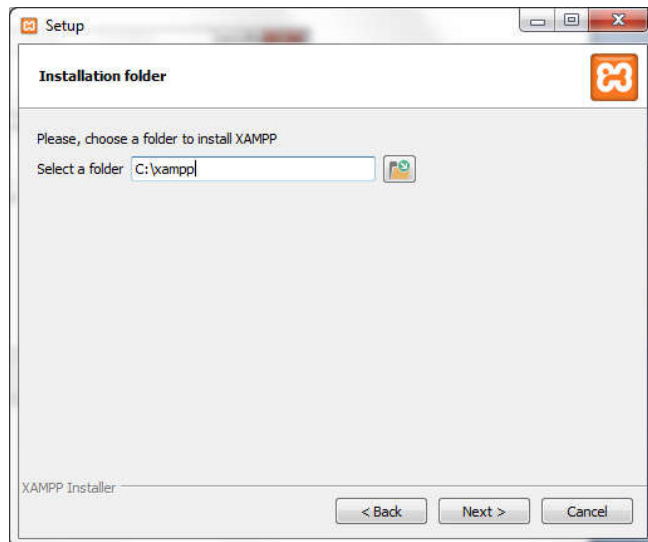
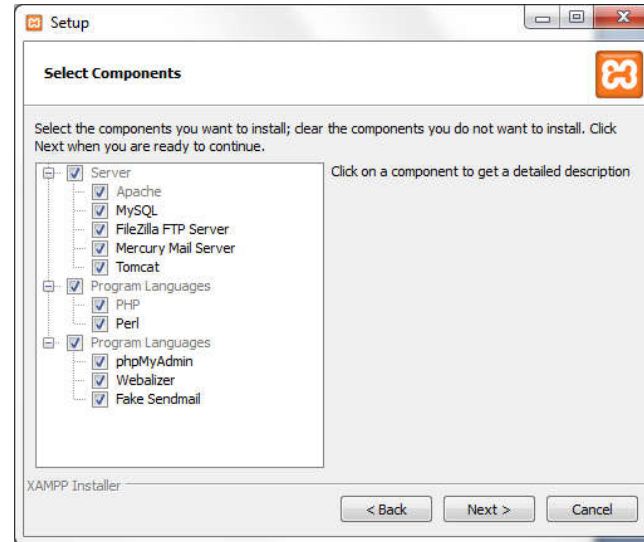
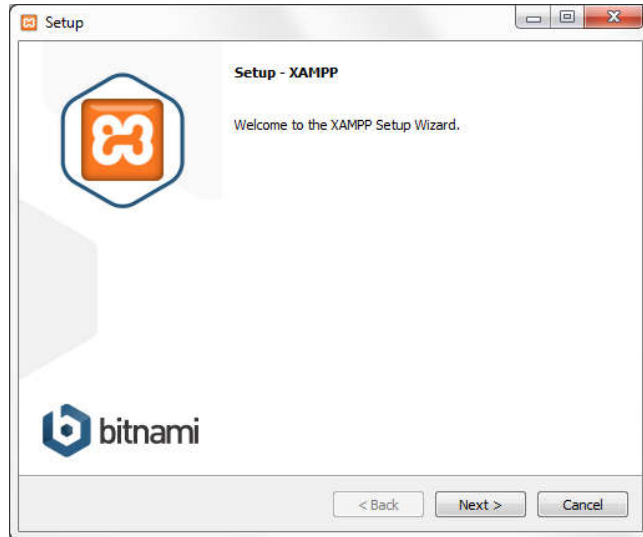
Instalasi Xampp

■ Setting UAC



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

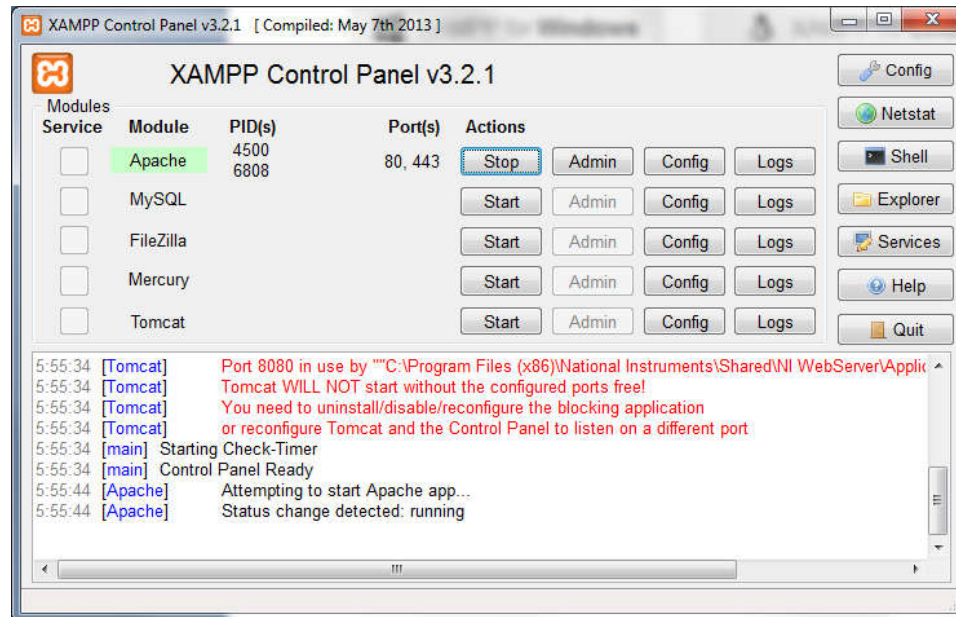
Instalasi Xampp



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

Xampp → Apache (Web Server), PHP, MySQL

Xampp Control Panel



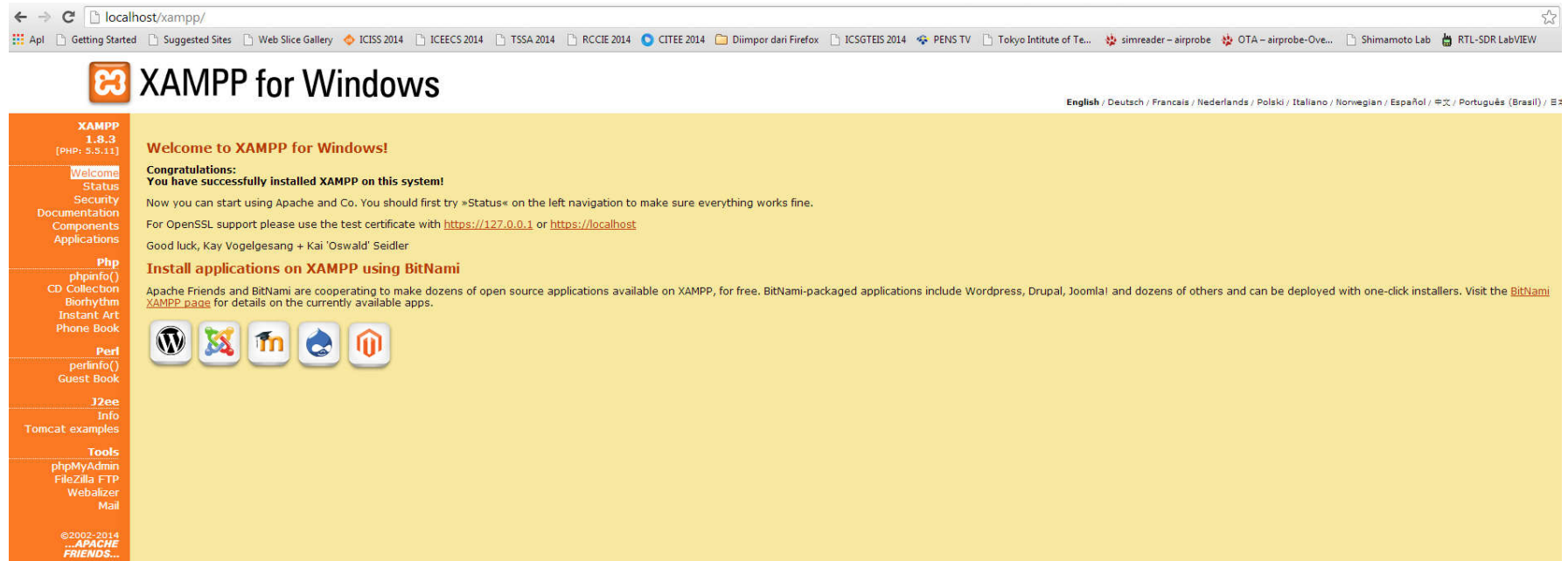
Terdiri dari beberapa modul :

- 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 browser's tab bar contains several open tabs, including 'Getting Started', 'Suggested Sites', 'Web Slice Gallery', and various university-related sites. The main content area displays the 'XAMPP for Windows' welcome page. The page features a navigation menu on the left with categories like 'Welcome', 'Status', 'Security', 'Documentation', 'Components', and 'Applications'. 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

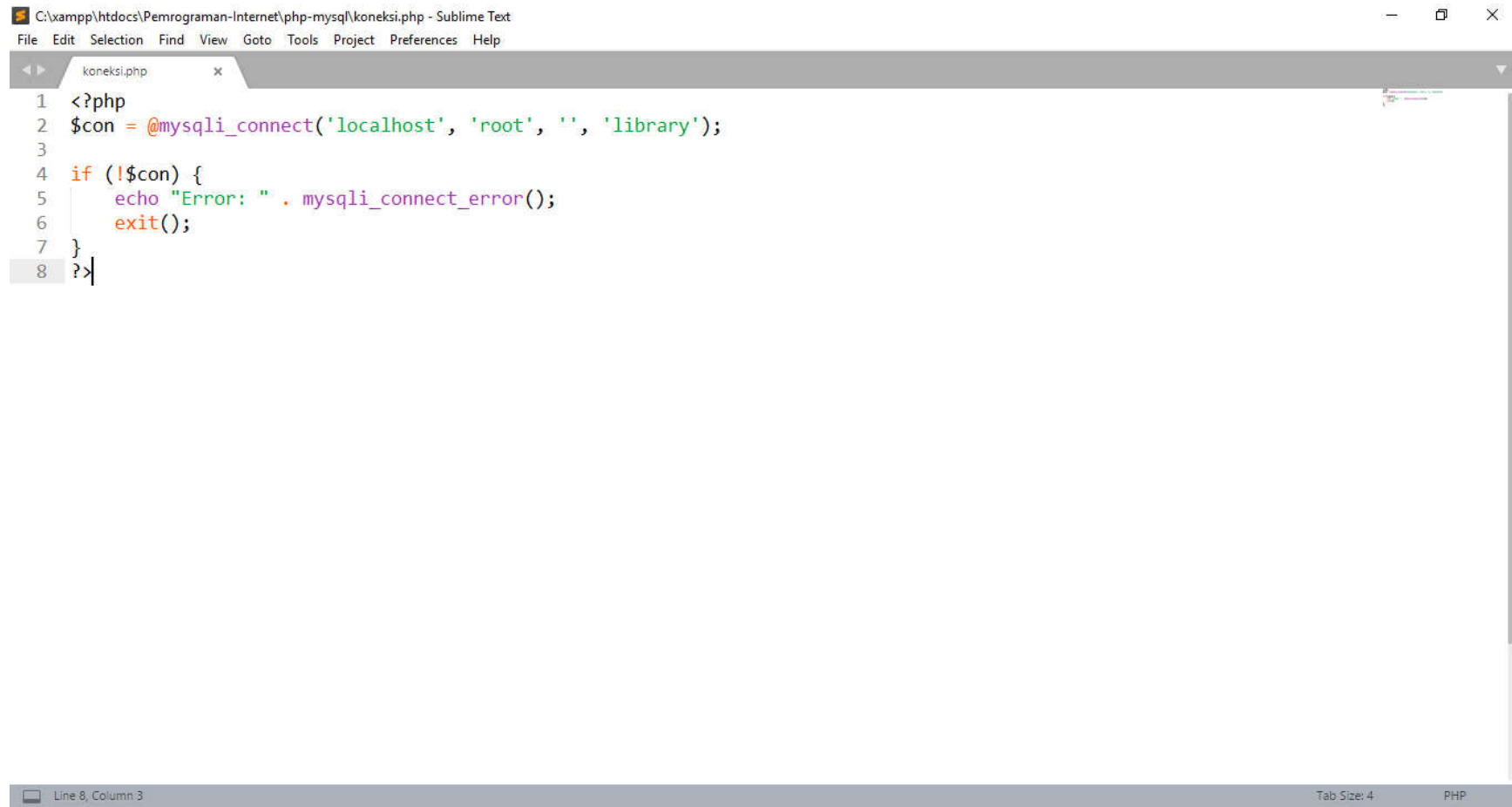
Apache Friends and BitNami are cooperating to make dozens of open source applications available on XAMPP, for free. BitNami-packaged applications include Wordpress, Drupal, Joomla! and dozens of others and can be deployed with one-click installers. Visit the [BitNami XAMPP page](#) for details on the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

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

At the bottom left of the page, there is a copyright notice: ©2002-2014 ...APACHE FRIENDS...

Editor

- Sublime



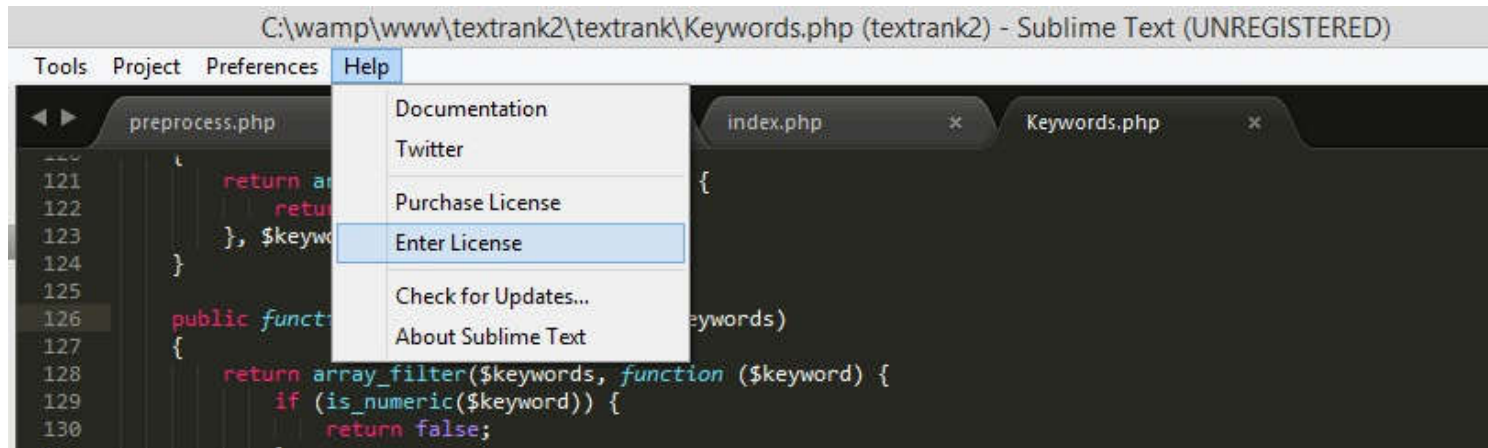
```
C:\xampp\htdocs\Pemrograman-Internet\php-mysql\koneksi.php - Sublime Text
File Edit Selection Find View Goto Tools Project Preferences Help

koneksi.php x
1 <?php
2 $con = @mysqli_connect('localhost', 'root', '', 'library');
3
4 if (!$con) {
5     echo "Error: " . mysqli_connect_error();
6     exit();
7 }
8 ?>
```

Line 8, Column 3 Tab Size: 4 PHP

Editor

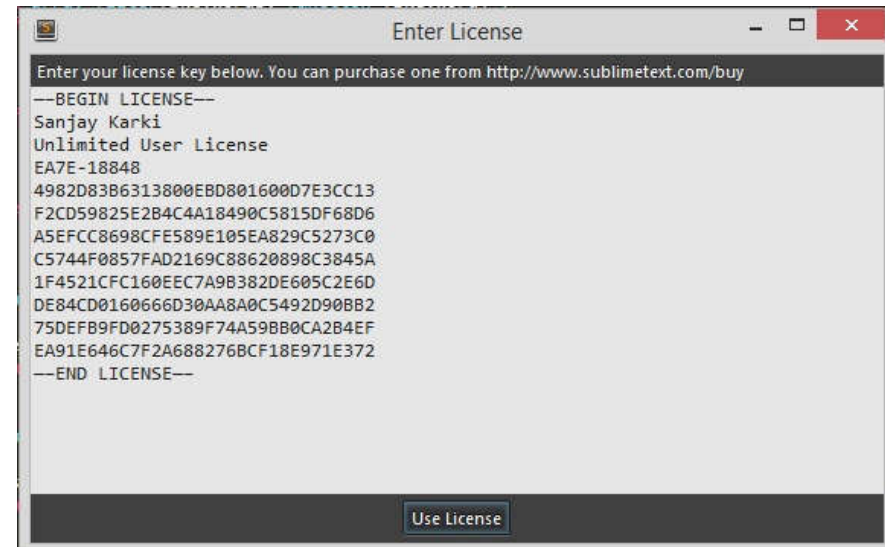
- Registrasi Sublime
Help > Enter License



Masukkan License > Use License

Lisensi dapat diambil di :

<http://zai.lecturer.pens.ac.id/Kuliah/Internet%20Programming/Installer/>



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

...

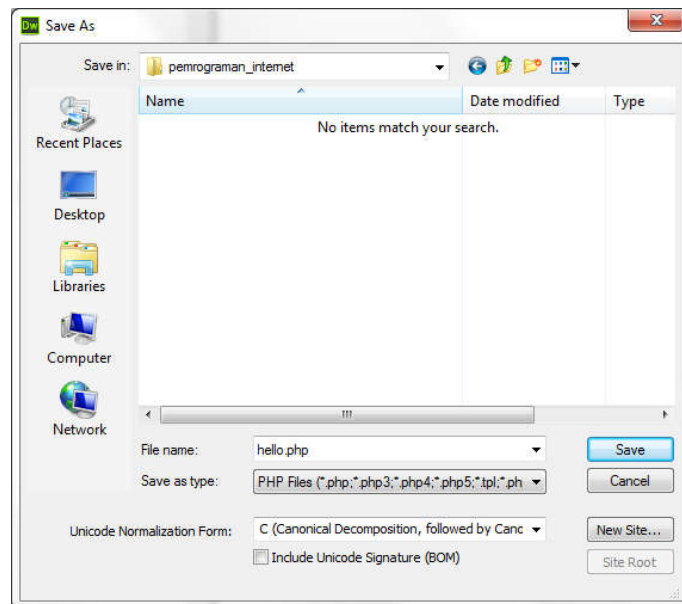
`</script>` menandai akhir script

- 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" />
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