

Wajar Jaya

Web Programming

Be Yourself and
Think Different



Lumajang, 3 Agustus 2018

Biodata



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S1 **Teknik Informatika** – ITS

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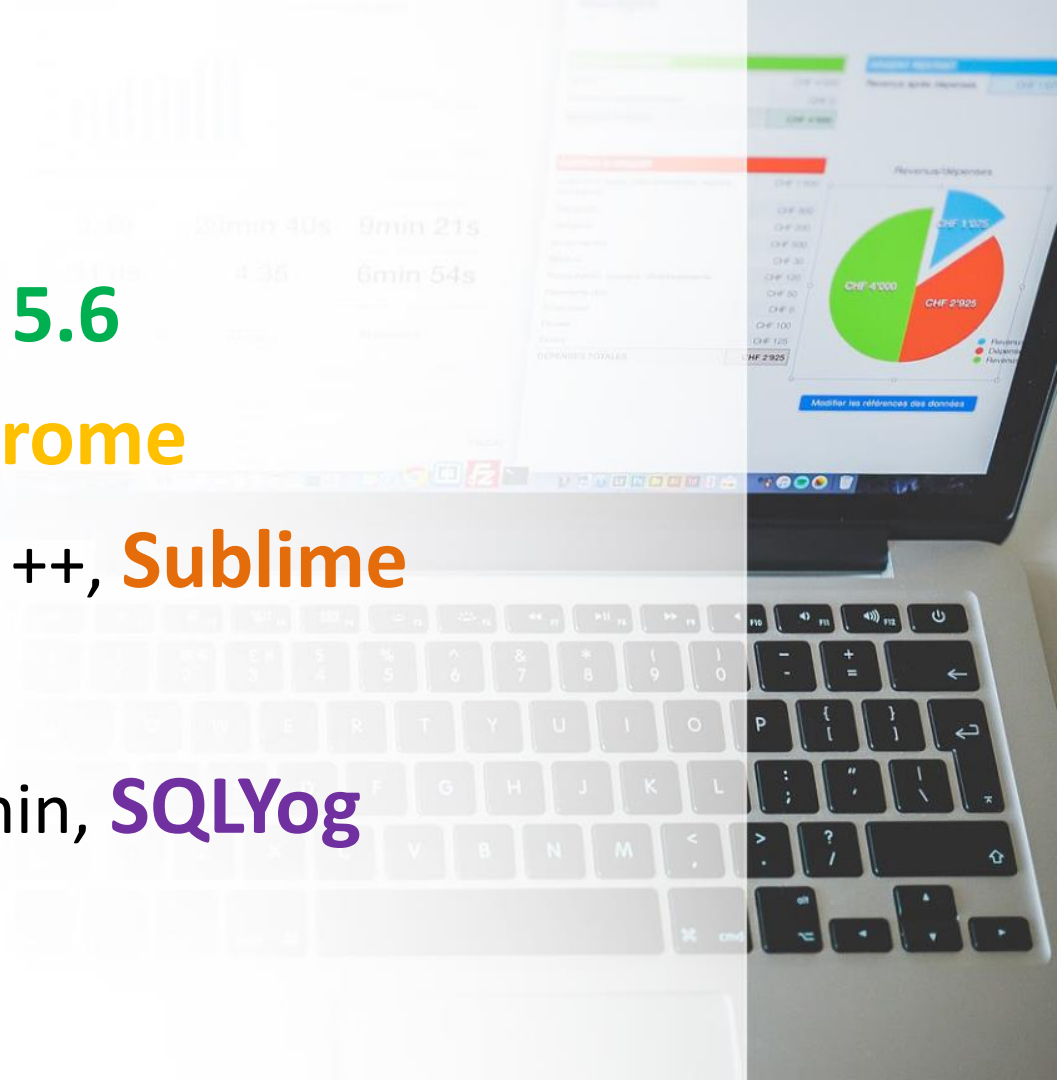
Pengalaman



- RFC di PT. Semen Indonesia, Tbk
- Cleanup Database di PT. Pelindo III
- Regident Online di Korlantas Polri
- Dashboard Analisa di PT. Behaestex
- Aplikasi Pemerintahan di Surabaya, Sidoarjo, Pasuruan, Trenggalek, Aceh
- dll

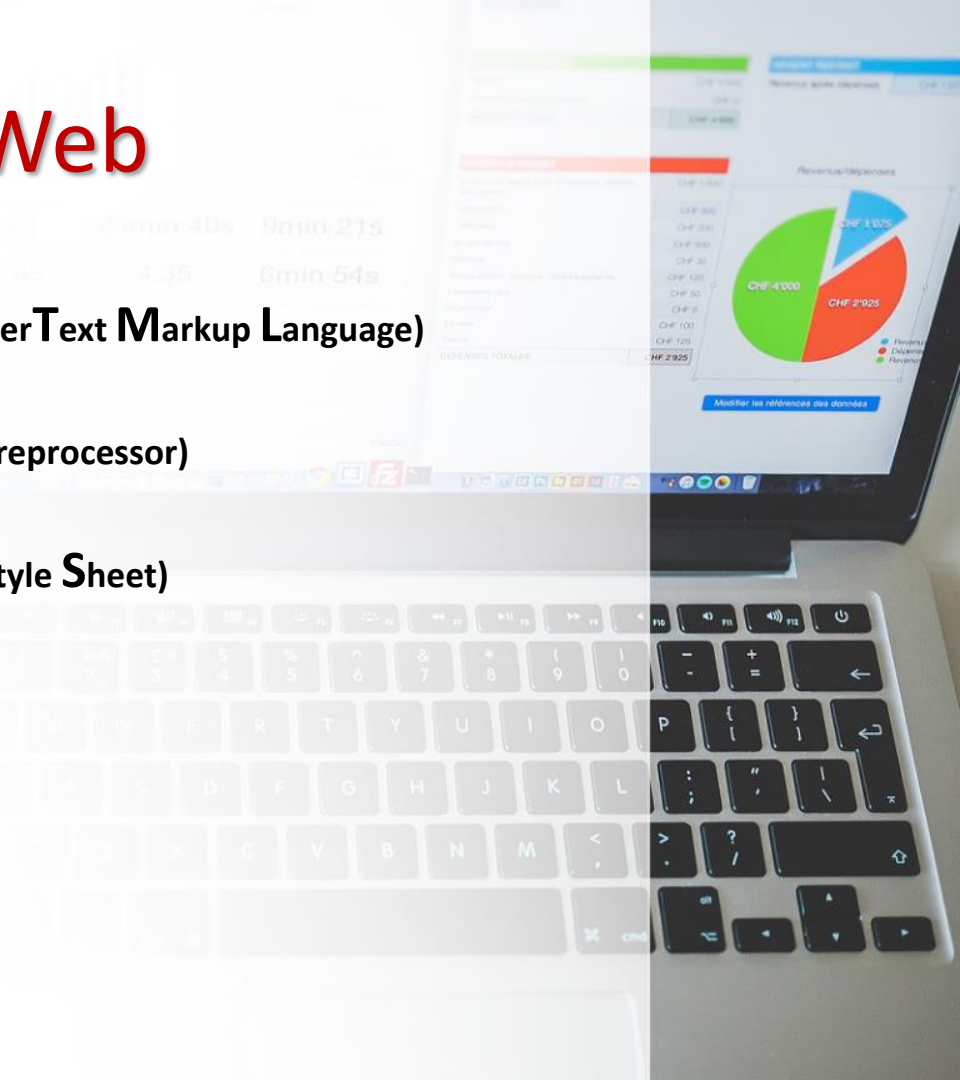
Tools

- Web Server : **XAMPP 5.6**
- Browser : **Firefox, Chrome**
- Editor Code : Notepad ++, **Sublime**
- Database : **MySQL**
- Editor Db : PhpMyAdmin, **SQLYog**



Dasar Pemrograman Web

- Konsep Dasar : **HTML** (HyperText Markup Language)
- Server Side : **PHP** (Hypertext Preprocessor)
- Desain Web : **CSS** (Cascading Style Sheet)
- Client Side : **Javascript**
- Database : **MySQL**



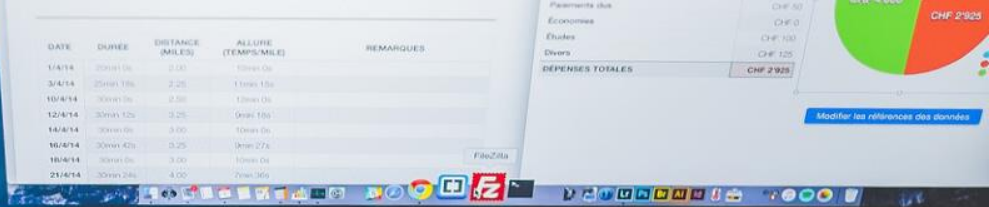
Lanjutan Pemrograman Web

- CMS (Content Management System) : **Lokomedia**
- Framework PHP : **CodeIgniter**
- Desain Web : **Bootstrap**
- Client Side : **jQuery**
- Database : **MariaDB** (Konsep Relasi Antar Table)



Tools – Web Server

XAMPP 5.6



XAMPP Control Panel v3.2.2 [Compiled: Nov 12th 2015]

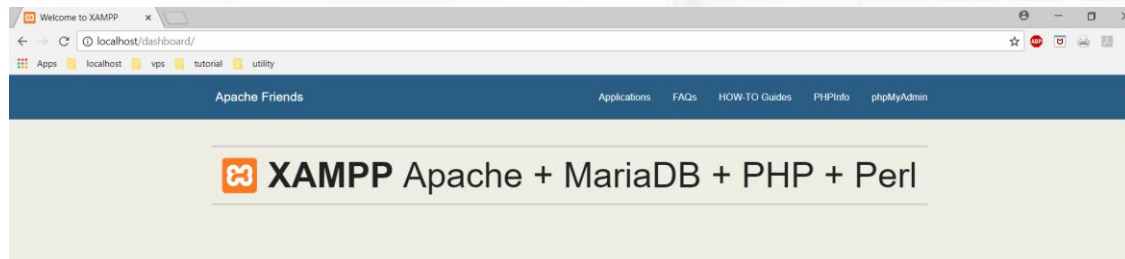
Service	Module	PID(s)	Port(s)	Actions
<input type="checkbox"/>	Apache			Start Admin Config Logs
<input type="checkbox"/>	MySQL			Start Admin Config Logs
<input type="checkbox"/>	FileZilla			Start Admin Config Logs
<input type="checkbox"/>	Mercury			Start Admin Config Logs
<input type="checkbox"/>	Tomcat			Start Admin Config Logs

3:02:28 PM [main] XAMPP Installation Directory: "c:\xampp"
3:02:28 PM [main] Checking for prerequisites
3:02:28 PM [main] All prerequisites found
3:02:28 PM [main] Initializing Modules
3:02:28 PM [main] The Mercury module is disabled
3:02:28 PM [main] The Tomcat module is disabled
3:02:28 PM [main] Starting Check-Timer
3:02:28 PM [main] Control Panel Ready

anonymous	4/29/2018 8:44 PM	File folder	
apache	4/29/2018 8:44 PM	File folder	
cgi-bin	4/29/2018 8:46 PM	File folder	
contrib	4/29/2018 8:44 PM	File folder	
FileZillaFTP	4/29/2018 8:46 PM	File folder	
<input checked="" type="checkbox"/> htdocs	7/26/2018 11:47 A	File folder	
img	4/29/2018 8:44 PM	File folder	
install	4/29/2018 8:46 PM	File folder	
licenses	4/29/2018 8:44 PM	File folder	
locale	4/29/2018 8:44 PM	File folder	
mailoutput	4/29/2018 8:44 PM	File folder	
mailtodisk	4/29/2018 8:44 PM	File folder	
mysql	4/29/2018 8:44 PM	File folder	
perl	4/29/2018 8:45 PM	File folder	
php	4/29/2018 8:46 PM	File folder	
phpMyAdmin	4/29/2018 9:14 PM	File folder	
src	4/29/2018 8:44 PM	File folder	
tmp	7/30/2018 1:34 PM	File folder	
webalizer	4/29/2018 8:46 PM	File folder	
webdav	4/29/2018 8:44 PM	File folder	
apache_start	6/7/2013 6:15 PM	Windows Batch File	1 KB
apache_stop	6/7/2013 6:15 PM	Windows Batch File	1 KB
catalina_service	3/30/2013 7:29 PM	Windows Batch File	10 KB
catalina_start	6/7/2013 6:15 PM	Windows Batch File	3 KB
catalina_stop	6/25/2013 8:36 PM	Windows Batch File	3 KB
ctscript	4/29/2018 8:44 PM	Windows Batch File	3 KB
filezilla_setup	3/30/2013 7:29 PM	Windows Batch File	1 KB
filezilla_start	6/7/2013 6:15 PM	Windows Batch File	1 KB
filezilla_stop	6/7/2013 6:15 PM	Windows Batch File	1 KB
mercury_start	6/7/2013 6:15 PM	Windows Batch File	1 KB
mercury_stop	6/7/2013 6:15 PM	Windows Batch File	1 KB
mysql_start	6/7/2013 6:15 PM	Windows Batch File	1 KB

Tools – Browser

Firefox, Chrome



Welcome to XAMPP for Windows 5.6.35

You have successfully installed XAMPP on this system! Now you can start using Apache, MariaDB, PHP and other components. You can find more info in the FAQs section or check the HOW-TO Guides for getting started with PHP applications.

XAMPP is meant only for development purposes. It has certain configuration settings that make it easy to develop locally but that are insecure if you want to have your installation accessible to others. If you want to have your XAMPP accessible from the internet, make sure you understand the implications and you checked the FAQs to learn how to protect your site. Alternatively you can use WAMP, MAMP or LAMP which are similar packages which are more suitable for production.

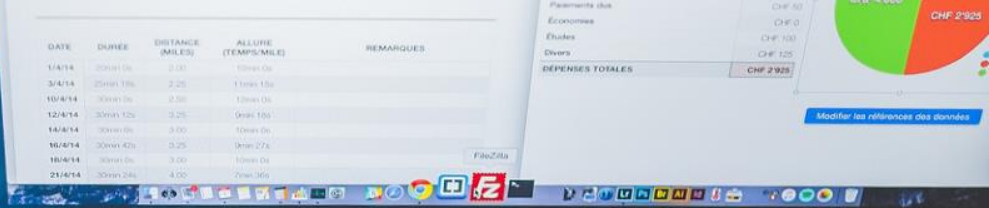
Start the XAMPP Control Panel to check the server status.

Community

XAMPP has been around for more than 10 years – there is a huge community behind it. You can get involved by joining our Forums, adding yourself to the Mailing List, and liking us on Facebook, following our exploits on Twitter, or adding us to your Google+ circles.

Contribute to XAMPP translation at translate.apachefriends.org

Tools – Editor Code



Notepad ++, Sublime

```
index.html
1 <!DOCTYPE html>
2 <html lang="en">
3
4 <meta charset="utf-8">
5 <title>Bootstrap online Shopping cart</title>
6 <meta name="viewport" content="width=device-width, initial-scale=1.0">
7 <meta name="description" content="">
8 <meta name="author" content="">
9
10 <!-- Other less css file //different less files has different color scheme
11 <link rel="stylesheet/less" type="text/css" href="themes/less/complex.less">
12 <link rel="stylesheet/less" type="text/css" href="themes/less/classified.less">
13 <link rel="stylesheet/less" type="text/css" href="themes/less/amelia.less"> MOVE DOWN to activate
14 -->
15 <!-- link rel="stylesheet/less" type="text/css" href="themes/less/bootstrap.less">
16 <script src="themes/js/less.js" type="text/javascript"></script> -->
17
18 <!-- Bootstrap style -->
19 <link id="callCss" rel="stylesheet" href="themes/bootstrap/bootstrap.min.css" media="screen"/>
20 <link href="themes/css/base.css" rel="stylesheet" media="screen"/>
21 <!-- Bootstrap style responsive -->
22 <link href="themes/css/bootstrap-responsive.min.css" rel="stylesheet"/>
23 <link href="themes/css/font-awesome.css" rel="stylesheet" type="text/css">
24 <!-- Google code prettify -->
25 <link href="themes/js/google-code-prettify/prettify.css" rel="stylesheet"/>
26 <!-- fav and touch icons -->
27 <link rel="shortcut icon" href="themes/images/ico/favicon.ico">
28 <link rel="apple-touch-icon-precomposed" sizes="144x144" href="themes/images/ico/apple-touch-icon-144-precomposed.png">
29 <link rel="apple-touch-icon-precomposed" sizes="114x114" href="themes/images/ico/apple-touch-icon-114-precomposed.png">
30 <link rel="apple-touch-icon-precomposed" sizes="72x72" href="themes/images/ico/apple-touch-icon-72-precomposed.png">
31 <link rel="apple-touch-icon-precomposed" href="themes/images/ico/apple-touch-icon-57-precomposed.png">
32 <style type="text/css" id="inject"></style>
33 </head>
34 <body>
35 <div id="header">
36 <div class="container">
37 <div id="welcomeLine" class="row">
38 <div class="span9"MeiComel<strong> User</strong></div>
39 <div class="span6">
40 <div class="pull-right">
41 <a href="product_summary.html"><span class="">Frc</span></a>
42 <a href="product_summary.html"><span class="">Etc</span></a>
43 <span class="btn btn-mini"></span>
44 <a href="product_summary.html"><span class="">Spoumd</span></a>
45 <span class="btn btn-mini">$15,80</span>
46 <a href="product_summary.html"><span class="">$4</span></a>
47 <a href="product_summary.html"><span class="btn btn-mini btn-primary">< class="icon-shopping-cart icon-white"></a> [ 3 ] Items in your cart
</span> </div>
```

Tools – Editor Db

PhpMyAdmin

The screenshot shows the PhpMyAdmin web interface in a browser window. The address bar shows the URL `localhost/phpmyadmin/`. The interface includes a navigation menu on the left with a tree view of databases and tables. The main content area is divided into several panels:

- General settings:** Server connection collation is set to `utf8mb4_unicode_ci`.
- Appearance settings:** Language is set to `English` and the theme is `pmahomme`. The font size is set to `82%`.
- Database server:** Server: 127.0.0.1 via TCP/IP; Server type: MariaDB; Server connection: SSL is not being used; Server version: 10.1.31-MariaDB - mariadb.org binary distribution; Protocol version: 10; User: root@localhost; Server charset: UTF-8 Unicode (utf8).
- Web server:** Apache/2.4.33 (Win32) OpenSSL/1.0.2n PHP/5.6.35; Database client version: libmysql - mysqld 5.0.11-dev - 20120503 - Sld; 76b08b24596e1264553bd41fc93cccd5bac2167a \$; PHP extension: mysqli, curl, mbstring; PHP version: 5.6.35.
- phpMyAdmin:** Version information: 4.8.0, latest stable version: 4.8.2; links for Documentation, Official Homepage, Contribute, Get support, List of changes, and License.



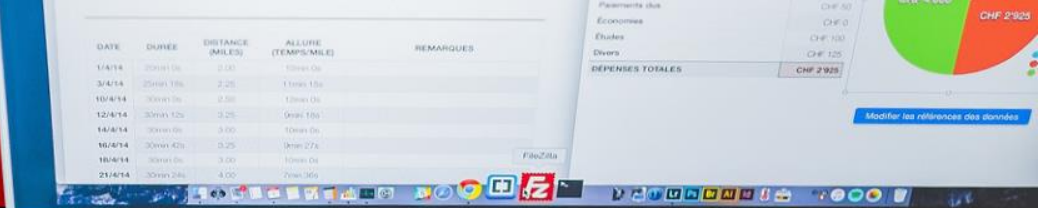
Tools – Editor Db

SQLYog

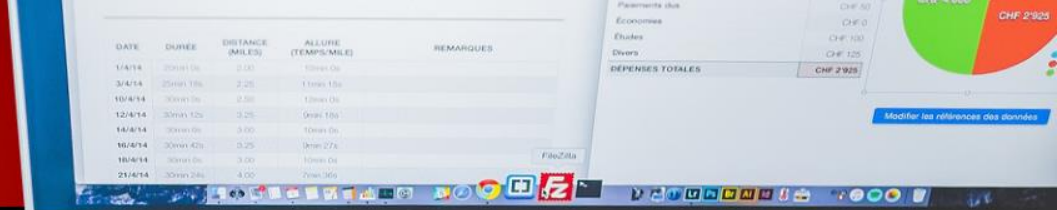
The screenshot displays the SQLYog Ultimate interface for a local host. The main window shows a Schema Designer for a database named 'ikm'. The left sidebar lists the database structure, including tables, views, stored procedures, and functions. The main area shows a visual representation of the database schema with several tables and their columns:

- tb_admin**: admin_id, admin_nama, admin_username, admin_password, admin_timestamp, admin_foto
- tb_rating**: kategori, rate, user_id
- tb_testimoni**: kis_testimoni, konten_testimoni, pekerjaan
- tb_kategori**: kategori_id, kategori_kode, kategori_judul, kategori_desk, kategori_admin_username, kategori_timestamp, kategori_foto
- tb_nasabah**: id_nasabah, nasabah_nama, nasabah_email, nasabah_telp, nasabah_jk, nasabah_password, nasabah_foto, status_nasabah
- tb_ulasan**: ulasan_id, ulasan_kategori_kode, ulasan_komentar, ulasan_timestamp, ulasan_nasabah_kis

The interface also shows a file explorer on the left and a query editor at the top.



Konsep Dasar



HTML (HyperText Markup Language)

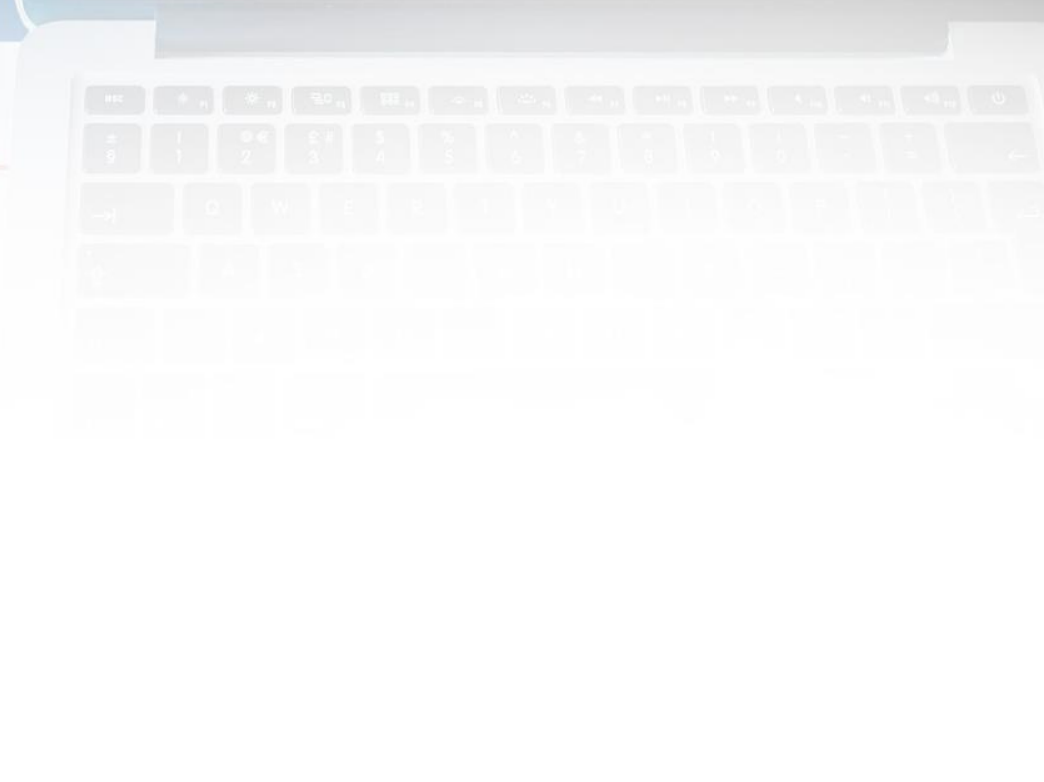
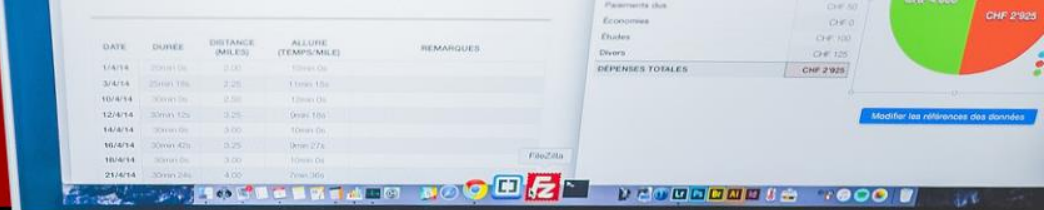
```
<html>
<head>
  <title>SMK Muhammadiyah</title>
</head>

<body>
Belajar Pemrograman Web
</body>
</html>
```

Server Side

PHP (Hypertext Preprocessor)

```
<html>
<head>
  <title>SMK Muhammadiyah</title>
</head>
<body>
  Belajar Pemrograman Web <br>
  <ol>
    <?php
      for ($i=1; $i<=100; $i++) {
        echo "<li> Siswa ke-$i </li>";
      }
    </ol>
  </body>
</html>
```



Desain Web



CSS (Cascading Style Sheet)

```
<html>
<head>
  <title>SMK Muhammadiyah</title>
  <style>
    h1 { text-align: center; color: blue; font-weight: bold; }
  </style>
</head>

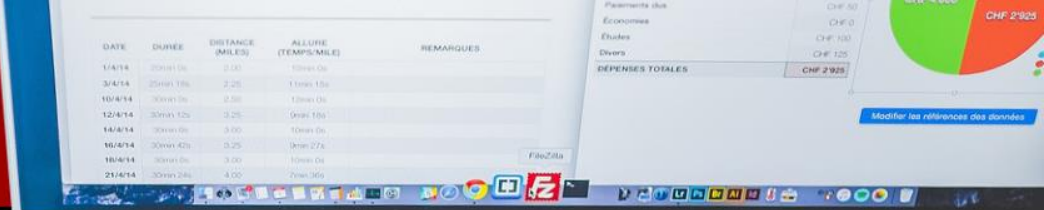
<body>
  <h1>Belajar Pemrograman Web</h1>
</body>
</html>
```

Client Side

Javascript

```
<html>
<head>
  <title>SMK Muhammadiyah</title>
  <script type="text/javascript">
    function klik() {
      var x = document.getElementById("div_klik");
      x.innerHTML += "<p>Tetap Semangat</p>";
    }
  </script>
</head>

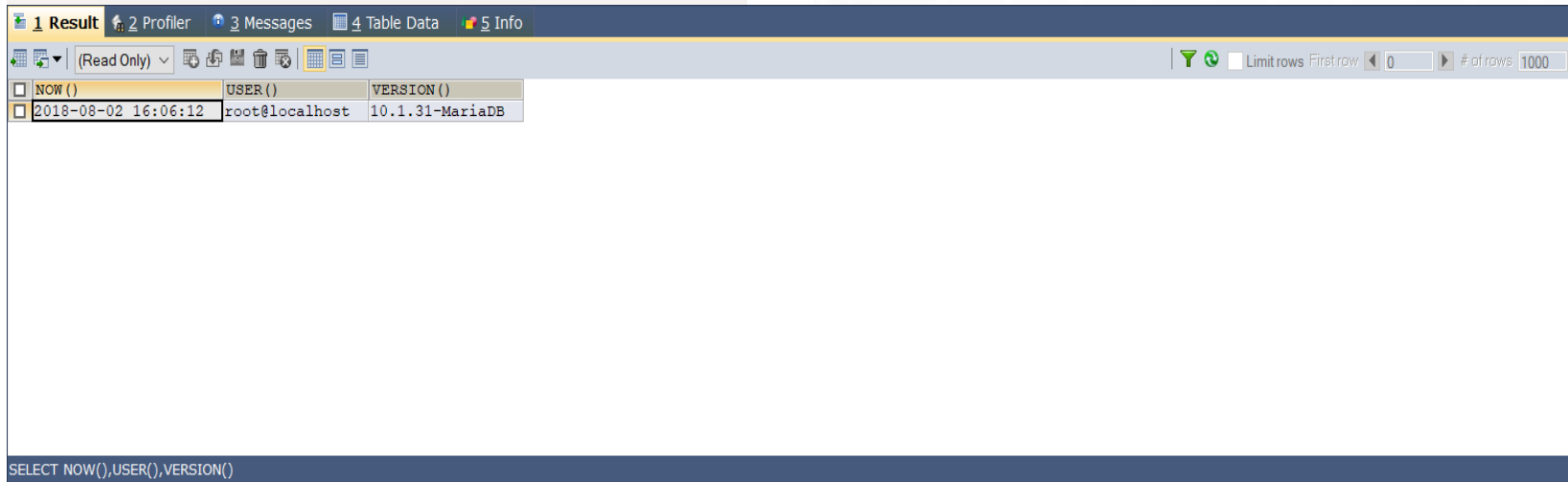
<body>
  <button onClick="klik()">Belajar Pemrograman Web</button>
  <div id="div_klik"></div>
</body>
</html>
```



Database

MySQL

```
mysql> SELECT NOW(),USER(),VERSION();
```



The screenshot shows a MySQL query result in a web interface. The interface includes a top navigation bar with tabs for 'Result', 'Profiler', 'Messages', 'Table Data', and 'Info'. Below the navigation bar is a toolbar with various icons for actions like refresh, delete, and print. The main content area displays a table with the following data:

NOW ()	USER ()	VERSION ()
2018-08-02 16:06:12	root@localhost	10.1.31-MariaDB

At the bottom of the interface, the SQL query is displayed: `SELECT NOW(),USER(),VERSION();`