

LAPORAN
PRAKTIKUM ORGANISASI DAN ARSITEKTUR KOMPUTER



JUDUL:
LAPORAN PRAKTIKUM ARSIKOM

Disusun Oleh :

TANGGAL PRAKTIKUM	: 15 November 2023
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LAPORAN PRAKTIKUM ARSIKOM

1.1 LAPORAN PRAKTIKUM

1. INSTALL APACHE

```
Activities Terminal Nov 21 19:06
rinda@rinda-Parallels-ARM-Virtual-Machine:~$ sudo apt-get update
[sudo] password for rinda:
Hit:1 http://ports.ubuntu.com/ubuntu-ports jammy-security InRelease
Hit:2 http://ports.ubuntu.com/ubuntu-ports jammy InRelease
Hit:3 http://ports.ubuntu.com/ubuntu-ports jammy-proposed InRelease
Hit:4 http://ports.ubuntu.com/ubuntu-ports jammy-updates InRelease
Hit:5 http://ports.ubuntu.com/ubuntu-ports jammy-backports InRelease
Reading package lists... Done
rinda@rinda-Parallels-ARM-Virtual-Machine:~$ sudo apt install apache2
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
apache2 is already the newest version (2.4.52-1ubuntu4.6).
The following packages were automatically installed and are no longer required:
  liblzo1 libncurses2 libprotobuf-lite23 mlibcabi-ld.so.6 mlibcabi-utf8
  mlibc-utils
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 28 not upgraded.
rinda@rinda-Parallels-ARM-Virtual-Machine:~$ sudo systemctl enable apache2
Synchronizing state of apache2.service with SysV service script with /lib/systemd/systemd-sysv-install.
Executing: /lib/systemd/systemd-sysv-install enable apache2
rinda@rinda-Parallels-ARM-Virtual-Machine:~$ sudo systemctl status apache2
● apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: active)
   Active: active (running) since Sat 2023-11-11 13:13:37 WIB; 1 week 3 days ago
     Docs: https://httpd.apache.org/docs/2.4/
 Main PID: 80212 (apache2)
    Tasks: 11 (limit: 2226)
   Memory: 57.5M
      CPU: 7.757s
 CGroup: /system.slice/apache2.service
         └─ 80212 /usr/sbin/apache2 -k start
             ├─ 85830 /usr/sbin/apache2 -k start
             ├─ 85831 /usr/sbin/apache2 -k start
             ├─ 85832 /usr/sbin/apache2 -k start
             ├─ 85833 /usr/sbin/apache2 -k start
             ├─ 86225 /usr/sbin/apache2 -k start
             ├─ 140783 /usr/sbin/apache2 -k start
             ├─ 140848 /usr/sbin/apache2 -k start
             ├─ 141132 /usr/sbin/apache2 -k start
             ├─ 142413 /usr/sbin/apache2 -k start
             └─ 142451 /usr/sbin/apache2 -k start

Nov 21 13:13:37 rinda-Parallels-ARM-Virtual-Machine systemd[1]: Starting The Apache Web Server...
Nov 21 13:13:37 rinda-Parallels-ARM-Virtual-Machine apachectl[80211]: AH00558: Ap...
```

Activities Terminal Nov 21 19:06 rinda@rinda-Parallels-ARM-Virtual-Machine: ~

```
apache2.service - The Apache HTTP Server
   Loaded: loaded (/lib/systemd/system/apache2.service; enabled; vendor preset: enabled)
   Active: active (running) since Sat 2023-11-11 13:13:37 WIB; 1 week 3 days ago
     Docs: https://httpd.apache.org/docs/2.4/
      Main PID: 88212 (apache2)
        Tasks: 11 (lmtt: 2226)
       Memory: 57.5M
          CPU: 7.757s
         CGroup: /system.slice/apache2.service
             ├─ 88212 /usr/sbin/apache2 -k start
             ├─ 85830 /usr/sbin/apache2 -k start
             ├─ 85831 /usr/sbin/apache2 -k start
             ├─ 85832 /usr/sbin/apache2 -k start
             ├─ 85833 /usr/sbin/apache2 -k start
             ├─ 86225 /usr/sbin/apache2 -k start
             ├─ 140783 /usr/sbin/apache2 -k start
             ├─ 140848 /usr/sbin/apache2 -k start
             ├─ 141132 /usr/sbin/apache2 -k start
             ├─ 142413 /usr/sbin/apache2 -k start
             └─ 142451 /usr/sbin/apache2 -k start

Nov 11 13:13:37 rinda-Parallels-ARM-Virtual-Machine systemd[1]: Starting The Apache HTTP Server...
Nov 11 13:13:37 rinda-Parallels-ARM-Virtual-Machine apachectl[88211]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using rinda-Parallels-ARM-Virtual-Machine. This is normal if you are running apache2 within a chroot.
Nov 11 13:13:37 rinda-Parallels-ARM-Virtual-Machine systemd[1]: Started The Apache HTTP Server.
Nov 11 13:18:01 rinda-Parallels-ARM-Virtual-Machine systemd[1]: Reloading The Apache HTTP Server...
Nov 11 13:18:01 rinda-Parallels-ARM-Virtual-Machine apachectl[82319]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using rinda-Parallels-ARM-Virtual-Machine. This is normal if you are running apache2 within a chroot.
Nov 11 13:18:01 rinda-Parallels-ARM-Virtual-Machine systemd[1]: Reloaded The Apache HTTP Server.
Nov 11 13:19:20 rinda-Parallels-ARM-Virtual-Machine systemd[1]: Reloading The Apache HTTP Server...
Nov 11 13:19:20 rinda-Parallels-ARM-Virtual-Machine apachectl[85829]: AH00558: apache2: Could not reliably determine the server's fully qualified domain name, using rinda-Parallels-ARM-Virtual-Machine. This is normal if you are running apache2 within a chroot.
Nov 11 13:19:20 rinda-Parallels-ARM-Virtual-Machine systemd[1]: Reloaded The Apache HTTP Server.

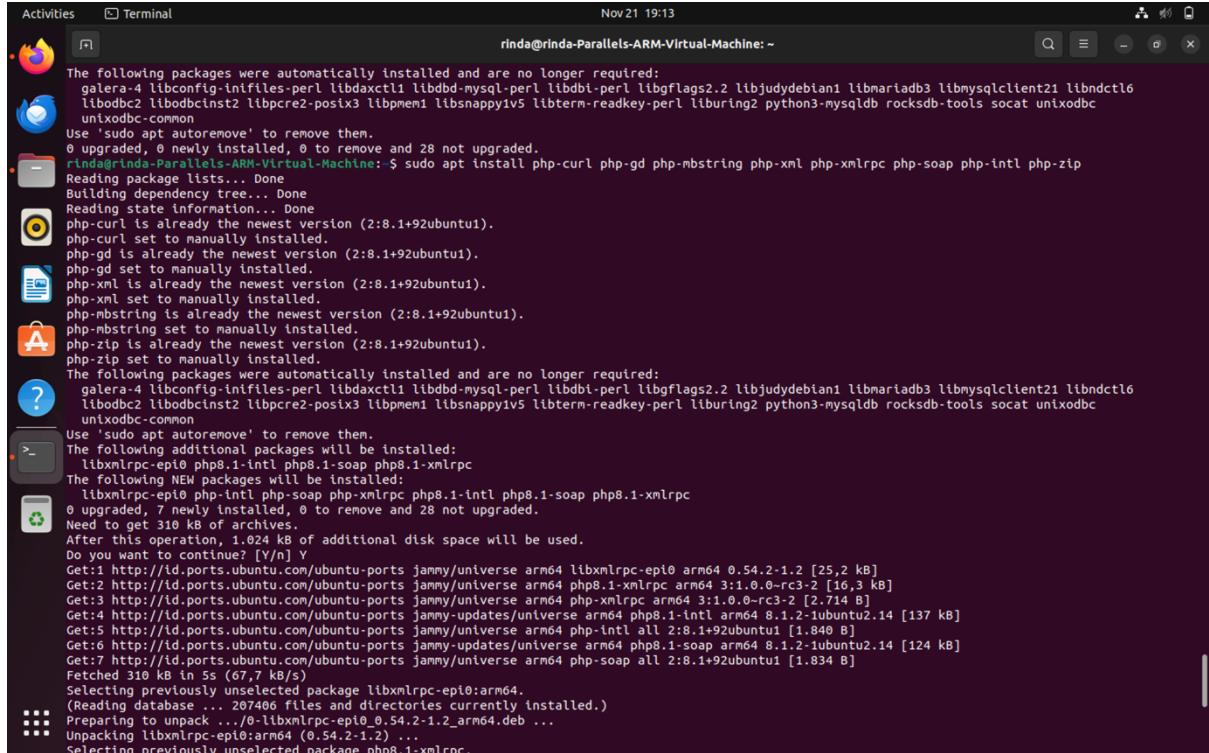
lines 1-30/30 (END)
```

2. INSTALL MY SQL

Activities Terminal Nov 21 19:10 rinda@rinda-Parallels-ARM-Virtual-Machine: ~

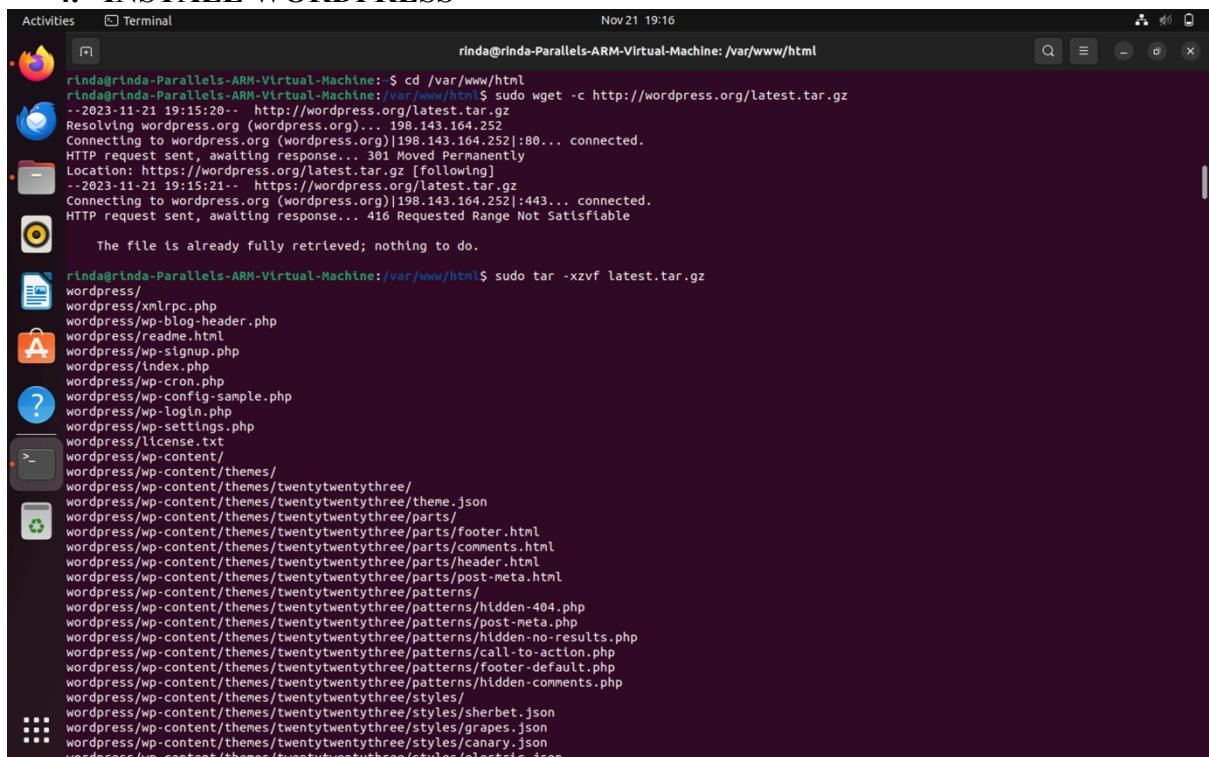
```
lines 1-30/30 (END)
rinda@rinda-Parallels-ARM-Virtual-Machine: $ sudo apt install mysql-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following packages were automatically installed and are no longer required:
  galera-4 libconfig-inifiles-perl libdaxctl1 libdbd-mysql-perl libdbi-perl liboflags2.2 libjudydebian1
  libmariadb3 libmysqldclient21 libndctl6 libodbc2 libodbcinst2 libpcre2-posix1 libpmem1 libsnappyiv5
  libterm-readkey-perl liburing2 python3-mysqldb rocksdb-tools socat unixodbc unixodbc-common
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  mysql-client-8.0 mysql-client-core-8.0 mysql-server-8.0 mysql-server-core-8.0
Suggested packages:
  mailx tincya
The following packages will be REMOVED:
  mariadb-backup mariadb-client mariadb-client-10.6 mariadb-client-core-10.6 mariadb-plugin-connect
  mariadb-plugin-cracklib-password-check mariadb-plugin-gssapi-client mariadb-plugin-gssapi-server
  mariadb-plugin-mroonga mariadb-plugin-oqgraph mariadb-plugin-rocksdb mariadb-plugin-s3 mariadb-plugin-spider
  mariadb-server mariadb-server-10.6 mariadb-server-core-10.6 mariadb-test
The following NEW packages will be installed:
  mysql-client-8.0 mysql-client-core-8.0 mysql-server mysql-server-8.0 mysql-server-core-8.0
0 upgraded, 5 newly installed, 17 to remove and 28 not upgraded.
Need to get 0 B/21,1 MB of archives.
After this operation, 72,5 MB disk space will be freed.
Do you want to continue? [Y/n] Y
Preconfiguring packages ...
(Reading database ... 207692 files and directories currently installed.)
Removing mariadb-backup (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-client (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-test (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-plugin-connect (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-plugin-cracklib-password-check (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-plugin-gssapi-client:arm64 (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-plugin-gssapi-server (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-plugin-mroonga (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-plugin-oqgraph (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-plugin-rocksdb (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-plugin-s3 (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-plugin-spider (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-server (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-server-10.6 (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-client-10.6 (1:10.6.12-0ubuntu0.22.04.1) ...
Removing mariadb-client-core-10.6 (1:10.6.12-0ubuntu0.22.04.1) ...
Selecting previously unselected package mysql-client-core-8.0.
```

3. INSTALL PHP



```
Activities Terminal rinda@rinda-Parallels-ARM-Virtual-Machine: ~ Nov 21 19:13
The following packages were automatically installed and are no longer required:
  galera-4 libconfig-inifiles-perl libdaxctrl1 libdbd-mysql-perl libdbi-perl libgflags2.2 libjudydebian1 libmariadb3 libmysqlclient21 libndctl6
  libodbc2 libodbcinst2 libpcr2-posix3 libpmem1 libsnapy1v libterm-readkey-perl liburing2 python3-mysqldb rocksdb-tools socat unixodbc
  unixodbc-common
Use 'sudo apt autoremove' to remove them.
0 upgraded, 0 newly installed, 0 to remove and 28 not upgraded.
rinda@rinda-Parallels-ARM-Virtual-Machine: $ sudo apt install php-curl php-gd php-mbstring php-xml php-xmlrpc php-soap php-intl php-zip
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
php-curl is already the newest version (2:8.1+92ubuntu1).
php-curl set to manually installed.
php-gd is already the newest version (2:8.1+92ubuntu1).
php-gd set to manually installed.
php-xml is already the newest version (2:8.1+92ubuntu1).
php-xml set to manually installed.
php-mbstring is already the newest version (2:8.1+92ubuntu1).
php-zip is already the newest version (2:8.1+92ubuntu1).
php-zip set to manually installed.
The following packages were automatically installed and are no longer required:
  galera-4 libconfig-inifiles-perl libdaxctrl1 libdbd-mysql-perl libdbi-perl libgflags2.2 libjudydebian1 libmariadb3 libmysqlclient21 libndctl6
  libodbc2 libodbcinst2 libpcr2-posix3 libpmem1 libsnapy1v libterm-readkey-perl liburing2 python3-mysqldb rocksdb-tools socat unixodbc
  unixodbc-common
Use 'sudo apt autoremove' to remove them.
The following additional packages will be installed:
  libxmlrpc-epi0 php8.1-soap php8.1-xmlrpc
The following NEW packages will be installed:
  libxmlrpc-epi0 php-intl php-soap php-xmlrpc php8.1-intl php8.1-soap php8.1-xmlrpc
0 upgraded, 7 newly installed, 0 to remove and 28 not upgraded.
Need to get 310 kB of archives.
After this operation, 1,024 kB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Get:1 http://id.pports.ubuntu.com/ubuntu-ports jammy/universe arm64 libxmlrpc-epi0 arm64 0.54.2-1.2 [25,2 kB]
Get:2 http://id.pports.ubuntu.com/ubuntu-ports jammy/universe arm64 php8.1-xmlrpc arm64 3:1.0.0-rc3-2 [16,3 kB]
Get:3 http://id.pports.ubuntu.com/ubuntu-ports jammy/universe arm64 php-xmlrpc arm64 3:1.0.0-rc3-2 [2.714 kB]
Get:4 http://id.pports.ubuntu.com/ubuntu-ports jammy-updates/universe arm64 php8.1-intl arm64 8.1.2-1ubuntu2.14 [137 kB]
Get:5 http://id.pports.ubuntu.com/ubuntu-ports jammy/universe arm64 php-intl all 2:8.1+92ubuntu1 [1.840 kB]
Get:6 http://id.pports.ubuntu.com/ubuntu-ports jammy-updates/universe arm64 php8.1-soap arm64 8.1.2-1ubuntu2.14 [124 kB]
Get:7 http://id.pports.ubuntu.com/ubuntu-ports jammy/universe arm64 php-soap all 2:8.1+92ubuntu1 [1.834 kB]
Fetched 310 kB in 5s (67,7 kB/s)
Selecting previously unselected package libxmlrpc-epi0:arm64.
(Reading database ... 207406 files and directories currently installed.)
Preparing to unpack .../0-libxmlrpc-epi0_0.54.2-1.2_arm64.deb ...
Unpacking libxmlrpc-epi0:arm64 (0.54.2-1.2) ...
Selecting previously unselected package php8.1-xmlrpc.
```

4. INSTALL WORDPRESS



```
Activities Terminal rinda@rinda-Parallels-ARM-Virtual-Machine: ~ Nov 21 19:16
rinda@rinda-Parallels-ARM-Virtual-Machine: $ cd /var/www/html
rinda@rinda-Parallels-ARM-Virtual-Machine: /var/www/html$ sudo wget -c http://wordpress.org/latest.tar.gz
--2023-11-21 19:15:20- http://wordpress.org/latest.tar.gz
Resolving wordpress.org (wordpress.org)... 198.143.164.252
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:80... connected.
HTTP request sent, awaiting response... 301 Moved Permanently
Location: https://wordpress.org/latest.tar.gz [following]
--2023-11-21 19:15:21- https://wordpress.org/latest.tar.gz
Connecting to wordpress.org (wordpress.org)|198.143.164.252|:443... connected.
HTTP request sent, awaiting response... 410 Requested Range Not Satisfiable
The file is already fully retrieved; nothing to do.
rinda@rinda-Parallels-ARM-Virtual-Machine: /var/www/html$ sudo tar -xvf latest.tar.gz
wordpress/
wordpress/xmlrpc.php
wordpress/wp-blog-header.php
wordpress/readme.html
wordpress/wp-signup.php
wordpress/index.php
wordpress/wp-cron.php
wordpress/wp-config-sample.php
wordpress/wp-login.php
wordpress/wp-settings.php
wordpress/license.txt
wordpress/wp-content/
wordpress/wp-content/themes/
wordpress/wp-content/themes/twentytwentythree/
wordpress/wp-content/themes/twentytwentythree/theme.json
wordpress/wp-content/themes/twentytwentythree/part/
wordpress/wp-content/themes/twentytwentythree/part/footer.html
wordpress/wp-content/themes/twentytwentythree/part/comments.html
wordpress/wp-content/themes/twentytwentythree/part/header.html
wordpress/wp-content/themes/twentytwentythree/part/post-meta.html
wordpress/wp-content/themes/twentytwentythree/patterns/
wordpress/wp-content/themes/twentytwentythree/patterns/hidden-404.php
wordpress/wp-content/themes/twentytwentythree/patterns/post-meta.php
wordpress/wp-content/themes/twentytwentythree/patterns/hidden-no-results.php
wordpress/wp-content/themes/twentytwentythree/patterns/call-to-action.php
wordpress/wp-content/themes/twentytwentythree/patterns/footer-default.php
wordpress/wp-content/themes/twentytwentythree/patterns/hidden-comments.php
wordpress/wp-content/themes/twentytwentythree/styles/
wordpress/wp-content/themes/twentytwentythree/styles/sherbet.json
wordpress/wp-content/themes/twentytwentythree/styles/grapes.json
wordpress/wp-content/themes/twentytwentythree/styles/canary.json
wordpress/wp-content/themes/twentytwentythree/styles/electric.json
```

Activities Terminal Nov 21 19:16

```
rinda@rinda-Parallels-ARM-Virtual-Machine: /var/www/html$ ls
wordpress/wp-admin/js/widgets.js
wordpress/wp-admin/js/gallery.js
wordpress/wp-admin/js/word-count.js
wordpress/wp-admin/js/accordion.min.js
wordpress/wp-admin/js/inline-edit-post.min.js
wordpress/wp-admin/js/customize-widgets.min.js
wordpress/wp-admin/js/inline-edit-post.js
wordpress/wp-admin/js/updates.js
wordpress/wp-admin/js/media-upload.js
wordpress/wp-admin/js/media.js
wordpress/wp-admin/js/editor-expand.min.js
wordpress/wp-admin/js/media-gallery.min.js
wordpress/wp-admin/js/common.min.js
wordpress/wp-admin/js/tags-box.min.js
wordpress/wp-admin/js/svg-painter.min.js
wordpress/wp-admin/js/custom-background.js
wordpress/wp-admin/js/color-picker.min.js
wordpress/wp-admin/js/auth-app.js
wordpress/wp-admin/js/code-editor.js
wordpress/wp-admin/js/common.js
wordpress/wp-admin/js/set-post-thumbnail.min.js
wordpress/wp-admin/js/postbox.min.js
wordpress/wp-admin/js/color-picker.js
wordpress/wp-admin/js/password-strength-meter.js
wordpress/wp-admin/js/customize-nav-menus.js
wordpress/wp-admin/js/editor-expand.js
wordpress/wp-admin/js/code-editor.min.js
wordpress/wp-admin/js/set-post-thumbnail.js
wordpress/wp-admin/options-permalink.php
wordpress/wp-admin/widgets.php
wordpress/wp-admin/setup-config.php
wordpress/wp-admin/install.php
wordpress/wp-admin/admin-header.php
wordpress/wp-admin/post-new.php
wordpress/wp-admin/themes.php
wordpress/wp-admin/options-reading.php
wordpress/wp-trackback.php
wordpress/wp-comments-post.php
rinda@rinda-Parallels-ARM-Virtual-Machine: /var/www/html$ ls -l
total 23924
-rw-r--r-- 1 root root 10671 Nov 11 09:36 index.html
-rw-r--r-- 1 root root 24479162 Nov 9 07:45 latest.tar.gz
drwxr-xr-x 5 nobody nogroup 4096 Nov 9 07:45 wordpress
rinda@rinda-Parallels-ARM-Virtual-Machine: /var/www/html$ sudo chown -R www-data:www-data /var/www/html/wordpress
rinda@rinda-Parallels-ARM-Virtual-Machine: /var/www/html$
```

5. CONFIG WORDPRESS

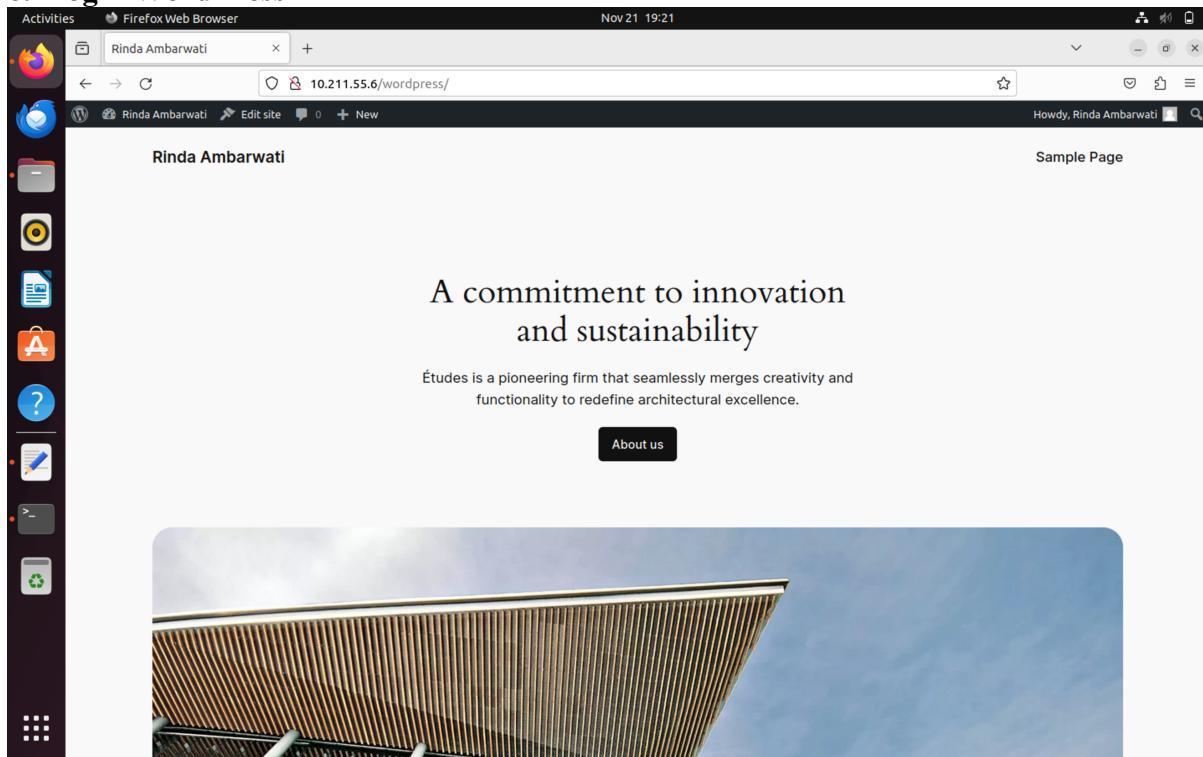
Activities Text Editor Nov 21 19:19

```
wp-config.php /var/www/html/wordpress
```

```
25 /** Database username */
26 define( 'DB_USER', 'demo_user' );
27
28 /** Database password */
29 define( 'DB_PASSWORD', 'demo-passwordW' );
30
31 /** Database hostname */
32 define( 'DB_HOST', 'localhost' );
33 |
34 /** Database charset to use in creating database tables. */
35 define( 'DB_CHARSET', 'utf8' );
36
37 /** The database collate type. Don't change this if in doubt. */
38 define( 'DB_COLLATE', '' );
39
40 /**#@+
41 * Authentication unique keys and salts.
42 *
43 * Change these to different unique phrases! You can generate these using
44 * the {@link https://api.wordpress.org/secret-key/1.1/salt/ WordPress.org secret-key service}.
45 *
46 * You can change these at any point in time to invalidate all existing cookies.
47 * This will force all users to have to log in again.
48 *
49 * @since 2.6.0
50 */
51 define( 'AUTH_KEY', 'put your unique phrase here' );
52 define( 'SECURE_AUTH_KEY', 'put your unique phrase here' );
53 define( 'LOGGED_IN_KEY', 'put your unique phrase here' );
54 define( 'NONCE_KEY', 'put your unique phrase here' );
55 define( 'AUTH_SALT', 'put your unique phrase here' );
56 define( 'SECURE_AUTH_SALT', 'put your unique phrase here' );
57 define( 'LOGGED_IN_SALT', 'put your unique phrase here' );
58 define( 'NONCE_SALT', 'put your unique phrase here' );
59
60 /**#@-*/
61
62 /**
63 * WordPress database table prefix.
64 *
65 * You can have multiple installations in one database if you give each
66 * a unique prefix. Only numbers, letters, and underscores please!
67 */
68 $table_prefix = 'wp_';
```

PHP Tab Width: 8 Ln 33, Col 1 INS

6. Login WordPress



Kesimpulan

Dengan penggunaan wordpress pada praktikum Arsitektur dan Organisasi Komputer saya dapat mengetahui cara membuat wordpress menggunakan server Ubuntu dengan Situs web menunjukkan responsivitas yang baik, memastikan bahwa pengguna dapat mengakses kontennya dengan baik di berbagai perangkat dan platform.