

## CHAPTER V

### IMPLEMENTATION AND TESTING

#### 5.1 Implementation

```
root@kali:~/Project Report/ServerIkom# javac *.java
root@kali:~/Project Report/ServerIkom# java Main
Web Server Start, Opening Port at 9090
```

Figure 4. Compile and Execute Program

Firstly, IKOM web server need to be compiled using `javac *.java`. Secondly, IKOM web server need to be executed using `java main.java`. After that, IKOM web server opens socket and waiting for any clients requests. Last, Clients can access the website with their web browser if server give it permission. Clients access the server IP Address and port in the address bar. When client access `<ipserver>:9090`, Client will automatically access the main page called `index.php`.

After writing, compiling, and debugging IKOM web server code then it can be tested with the following steps.

#### 5.2 Testing

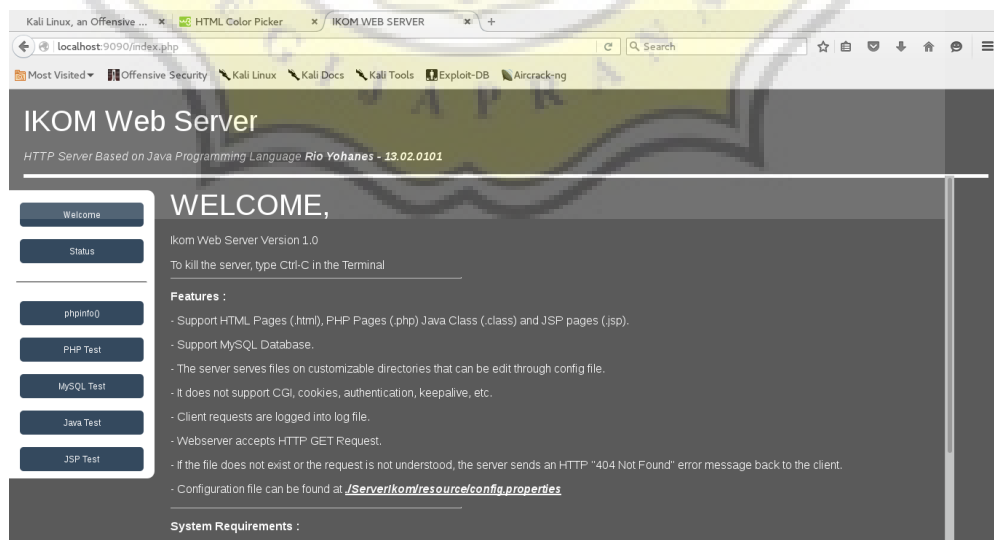


Figure 5. Main Page

index.php is the main page. There are a navigation panel that gives access to a few pages such as welcome page, status page, phpinfo() page, PHP test page, MySQL test page, Java test page, and JSP test page. There are also welcoming text, web server description, configuration file location and system requirement info in this page.

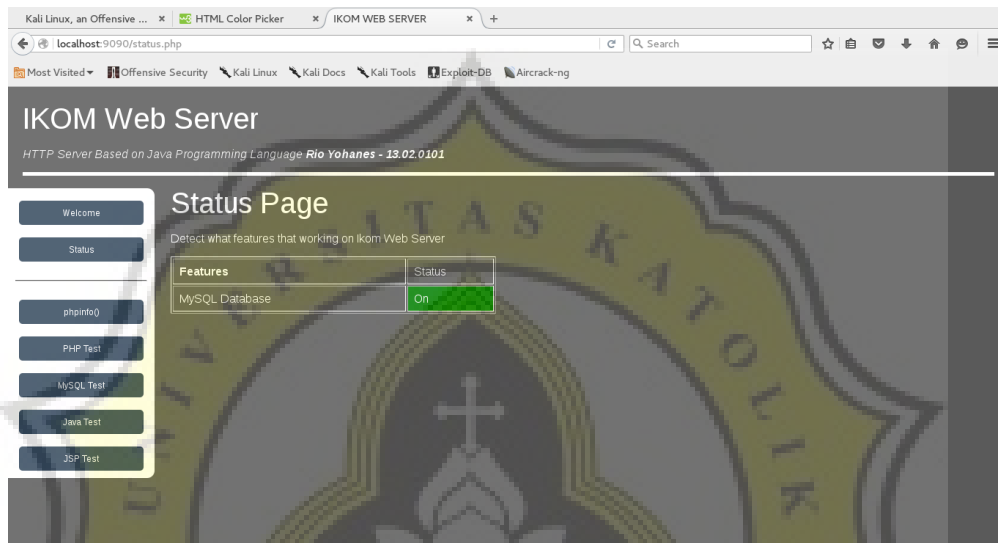


Figure 6. Status Page

Status page is filled with MySQL service status, we can see that MySQL service is turn on or turn off.

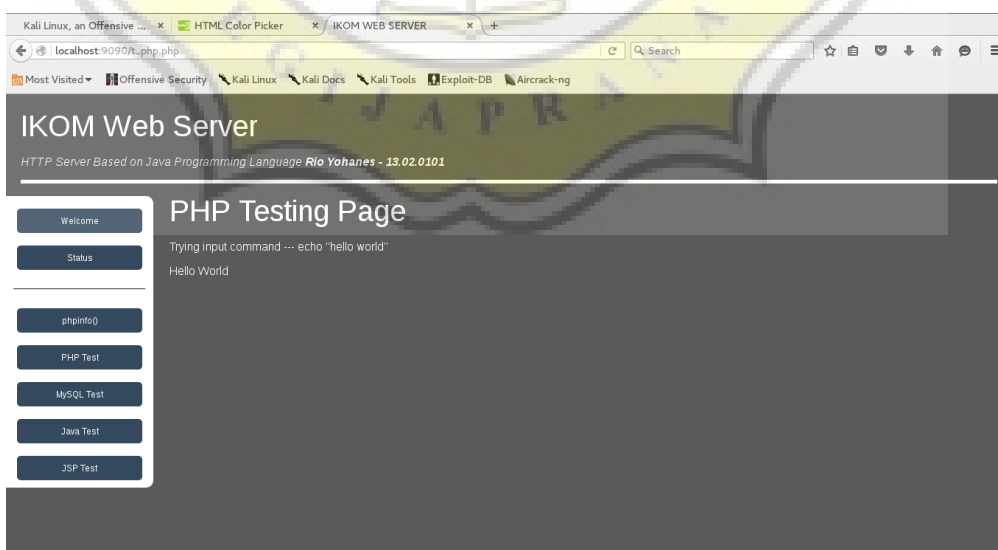


Figure 7. PHP Test Page

PHP Test Page is filled with PHP functions.

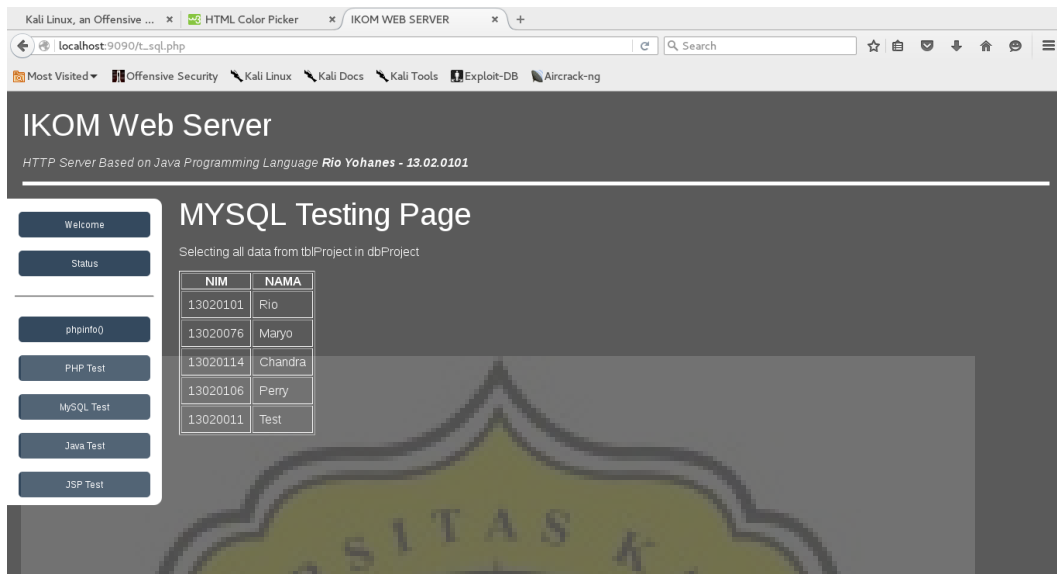


Figure 8. MySQL Test Page

MySQLs Test Page is filled with PHP function that will show value in a database.

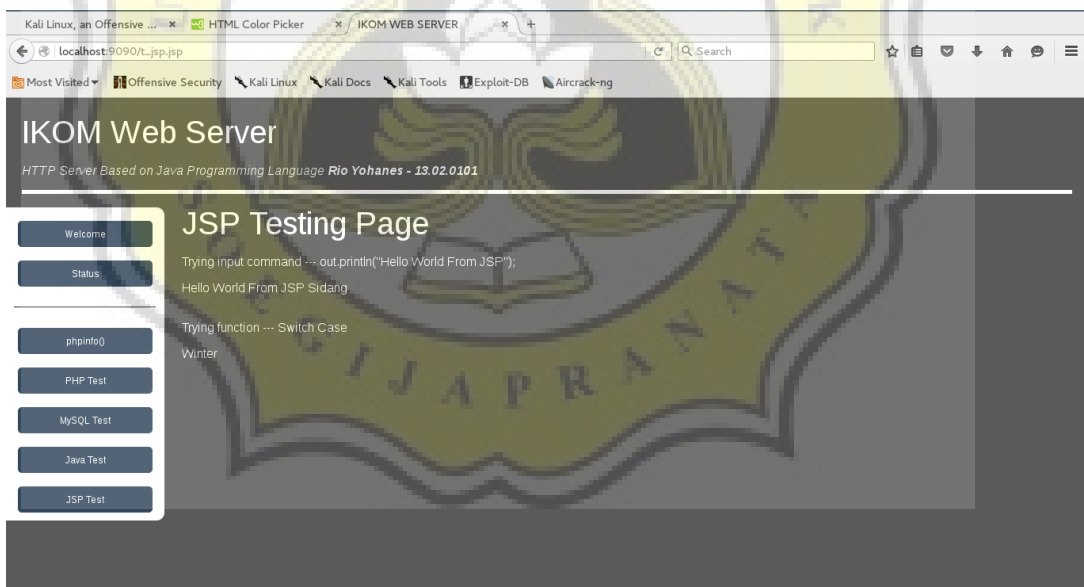
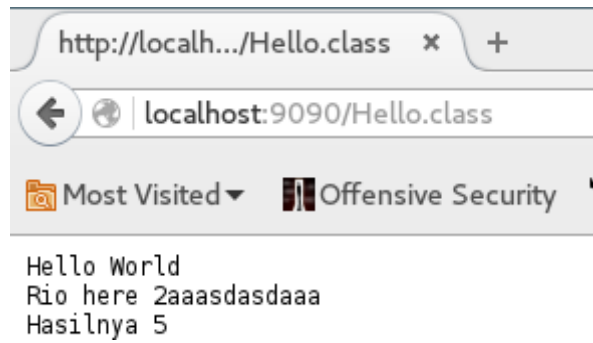


Figure 9. JSP Test Page

JSP Test Page is filled with JSP functions



*Figure 10. Java Test Page*

Java test page, this page shows the result of java program.

