

PROGRES 4 PROYEK

**“MEMBANGUN WEB SERVER BERBASIS
LINUX (APACHE/NGINX+SSL)”**

Disusun untuk memenuhi tugas mata kuliah Sistem Operasi
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Disusun Oleh :

Kelompok 5

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PROGRAM STUDI TEKNIK INFORMATIKA
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LANGKAH 4 : Pengujian Sistem, keamanan (Firewall), dan Troubleshooting

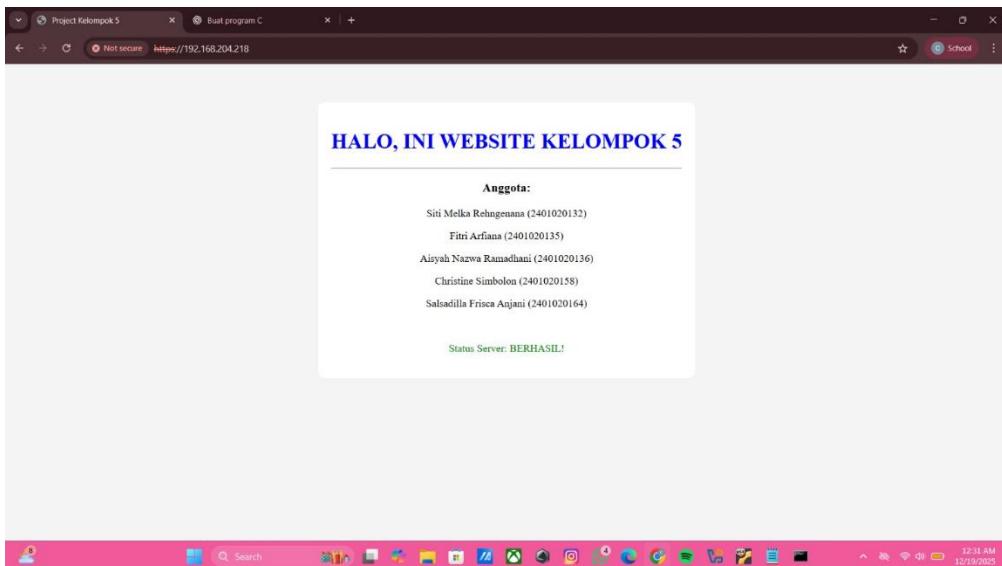
1. Konfigurasi Keamanan Jaringan (Firewall UFW)

```
christinesimbolon@christinesimbolon-VirtualBox:~$ sudo ufw allow 22/tcp
[sudo] password for christinesimbolon:
Skipping adding existing rule
Skipping adding existing rule (v6)
christinesimbolon@christinesimbolon-VirtualBox:~$ sudo ufw allow 80/tcp
Skipping adding existing rule
Skipping adding existing rule (v6)
christinesimbolon@christinesimbolon-VirtualBox:~$ sudo ufw allow 443/tcp
Skipping adding existing rule
Skipping adding existing rule (v6)
christinesimbolon@christinesimbolon-VirtualBox:~$ sudo ufw enable
Firewall is active and enabled on system startup
christinesimbolon@christinesimbolon-VirtualBox:~$ sudo ufw status verbose
Status: active
Logging: on (low)
Default: deny (incoming), allow (outgoing), disabled (routed)
New profiles: skip

To                         Action      From
--                         ----       ---
80/tcp                      ALLOW IN    Anywhere
443/tcp                     ALLOW IN    Anywhere
22/tcp                      ALLOW IN    Anywhere
80/tcp (v6)                 ALLOW IN    Anywhere (v6)
443/tcp (v6)                ALLOW IN    Anywhere (v6)
22/tcp (v6)                 ALLOW IN    Anywhere (v6)
```

Tampilan status UFW (Uncomplicated Firewall) yang telah diaktifkan. Terlihat aturan firewall telah dikonfigurasi untuk mengizinkan akses masuk (ALLOW IN) hanya pada port layanan web (80/HTTP dan 443/HTTPS) serta SSH (22).

2. Bukti Pengujian (sisi client)



Hasil pengujian akses website dari sisi Client (Windows) setelah firewall diaktifkan. Halaman web tetap dapat diakses dengan normal melalui protokol HTTPS, membuktikan bahwa aturan firewall tidak memblokir lalu lintas data yang sah.

