

# LAPORAN PEMROSESAN PARAREL



Disusun Oleh :

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Dosen : ADI HERMANSYAH, S.KOM., M.T.

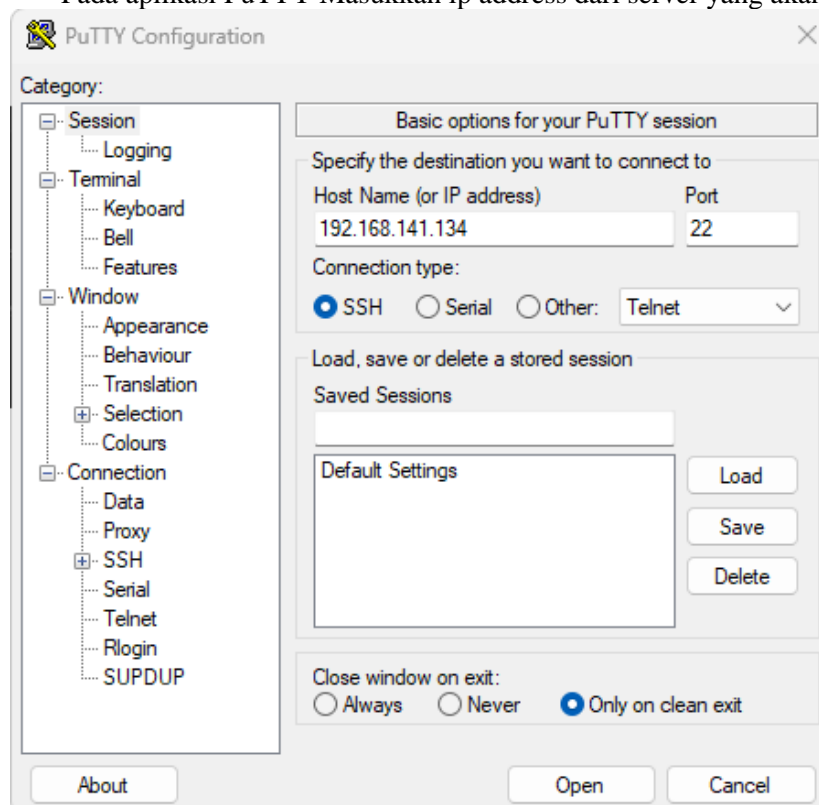
SISTEM KOMPUTER  
FAKULTAS ILMU KOMPUTER  
UNIVERSITAS SRIWIJAYA  
2023

## 1. Remote Ubuntu Server Menggunakan PuTTY

- Install Ubuntu Server dan Masukkan perintah ip a untuk melihat ip address dari ubuntu server

```
reza@rezaserver:~$ ip a
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: enp0s3: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc fq_codel state UP group default qlen 1000
    link/ether 08:00:27:72:7a:6b brd ff:ff:ff:ff:ff:ff
    inet 192.168.141.134/24 metric 100 brd 192.168.141.255 scope global dynamic enp0s3
        valid_lft 3210sec preferred_lft 3210sec
    inet6 fe80::a00:27ff:fe72:7a6b/64 scope link
        valid_lft forever preferred_lft forever
reza@rezaserver:~$
```

- Pada aplikasi PuTTY Masukkan ip address dari server yang akan di remote



- Setelah tekan open kemudian masukan username dan password dari server lalu akan berhasil seperti tampilan di bawah

```
reza@rezaserver: ~
login as: reza
reza@192.168.141.134's password:
Welcome to Ubuntu 22.04.3 LTS (GNU/Linux 5.15.0-78-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

System information as of Sun Oct 29 08:55:27 AM UTC 2023

System load:  0.001953125      Processes:           113
Usage of /:   48.1% of 9.75GB   Users logged in:     1
Memory usage: 12%             IPv4 address for enp0s3: 192.168.141.134
Swap usage:   0%

 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
   just raised the bar for easy, resilient and secure K8s cluster deployment.

   https://ubuntu.com/engage/secure-kubernetes-at-the-edge

Expanded Security Maintenance for Applications is not enabled.

64 updates can be applied immediately.
32 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status

Last login: Sun Oct 29 08:53:22 2023 from 192.168.141.227
reza@rezaserver:~$
```

## 2. Langkah membuat HTML

- Mengupdate server terlebih dahulu

```
reza@rezaserver:~$ sudo apt update
[sudo] password for reza:
Hit:1 http://archive.ubuntu.com/ubuntu jammy InRelease
Get:2 http://archive.ubuntu.com/ubuntu jammy-updates InRelease [119 kB]
Get:3 http://archive.ubuntu.com/ubuntu jammy-backports InRelease [109 kB]
Get:4 http://archive.ubuntu.com/ubuntu jammy-security InRelease [110 kB]
Get:5 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 Packages [1,104 kB]
Get:6 http://archive.ubuntu.com/ubuntu jammy-updates/main Translation-en [240 kB]
Get:7 http://archive.ubuntu.com/ubuntu jammy-updates/main amd64 c-n-f Metadata [16.1 kB]
Get:8 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 Packages [995 kB]
Get:9 http://archive.ubuntu.com/ubuntu jammy-updates/universe amd64 c-n-f Metadata [22.0 kB]
Get:10 http://archive.ubuntu.com/ubuntu jammy-security/main amd64 Packages [896 kB]
Get:11 http://archive.ubuntu.com/ubuntu jammy-security/main Translation-en [180 kB]
82% [10 Packages store 0 B] [11 Translation-en 12.1 kB/180 kB 7%] 260 k
Get:12 http://archive.ubuntu.com/ubuntu jammy-security/main amd64 c-n-f Metadata [11.4 kB]
Get:13 http://archive.ubuntu.com/ubuntu jammy-security/universe amd64 Packages [793 kB]
Get:14 http://archive.ubuntu.com/ubuntu jammy-security/universe amd64 c-n-f Metadata [16.7 kB]
Fetched 4,613 kB in 9s (496 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
62 packages can be upgraded. Run 'apt list --upgradable' to see them.
reza@rezaserver:~$
```

- Menginstall apache2 “sudo apt onstall apache2”

```
Enabling module alias.
Enabling module dir.
Enabling module autoindex.
Enabling module env.
Enabling module mime.
Enabling module negotiation.
Enabling module setenvif.
Enabling module filter.
Enabling module deflate.
Enabling module status.
Enabling module reqtimeout.
Enabling conf charset.
Enabling conf localized-error-pages.
Enabling conf other-vhosts-access-log.
Enabling conf security.
Enabling conf serve-cgi-bin.
Enabling site 000-default.
Created symlink /etc/systemd/system/multi-user.target.wants/apache2.service → /lib/systemd/system/apache2.service.
Created symlink /etc/systemd/system/multi-user.target.wants/apache-htcacheclean.service → /lib/systemd/system/apache-htcacheclean.service.
Processing triggers for ufw (0.36.1-4ubuntu0.1) ...
Processing triggers for man-db (2.10.2-1) ...
Processing triggers for libc-bin (2.35-0ubuntu3.1) ...
Scanning processes...
Scanning linux images...

Running kernel seems to be up-to-date.

No services need to be restarted.

No containers need to be restarted.

No user sessions are running outdated binaries.

No VM guests are running outdated hypervisor (qemu) binaries on this host.
reza@rezaserver:~$ _
```

- Perintah untuk mengizinkan lalu lintas http

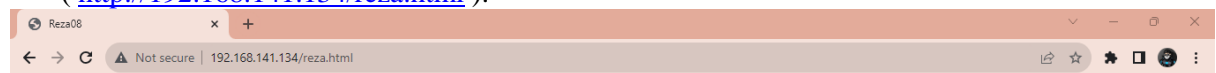
```
reza@rezaserver:~$ sudo ufw allow 'Apache'
Rules updated
Rules updated (v6)
reza@rezaserver:~$ _
```

- Membuat file html pada direktori dengan perintah “sudo nano /var/www/html” dan di bawah adalah isi dari file reza.html

```
reza@rezaserver:/var/www/html$ ls
index.html  reza.html
reza@rezaserver:/var/www/html$ cat reza.html
<!DOCTYPE html>
<html>
<head>
  <title>Reza08</title>
</head>
<body>
  <h1>Nama Saya M.Reza Arya Pratama dan NIM saya 09011282126048</h1>
  <p>Ini Merupakan halaman HTML yang telah saya buat di server ubuntu.</p>
</body>
</html>

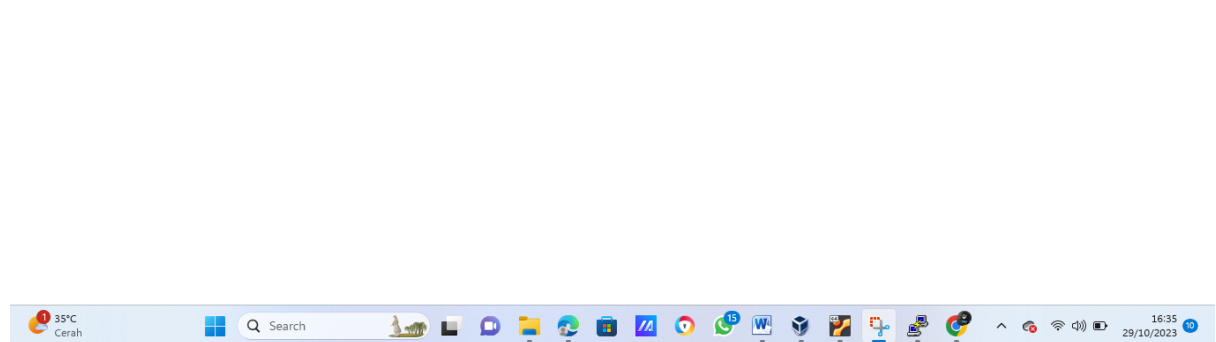
reza@rezaserver:/var/www/html$ _
```

- Kemudian bukalah Alamat IP Address dari server tersebut serta nama file html yang di buat ( <http://192.168.141.134/reza.html> ).



**Nama Saya M.Reza Arya Pratama dan NIM saya 09011282126048**

Ini Merupakan halaman HTML yang telah saya buat di server ubuntu.



- Maka hasilnya yang diatas akan sesuai dengan apa yang telah kita inputkan pada file reza.html