

Rega Dane Wijayanta
SIB 3E / 16
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Laporan Jobsheet 1: Pengantar Big Data

1. Terhubung ke Cluster Hadoop

```
hadoopuser@hadoop-namenode:~$ ssh hadoopuser@172.29.247.62
PS C:\Users\regad> ssh hadoopuser@172.29.247.62
The authenticity of host '172.29.247.62 (172.29.247.62)' can't be established.
ED25519 key fingerprint is SHA256:BjHVtsH6B+jEGxXCmJXyg4N7pbcsIvsSS+Eih0qkHOE.
This key is not known by any other names.
Are you sure you want to continue connecting (yes/no/[fingerprint])? yes
Warning: Permanently added '172.29.247.62' (ED25519) to the list of known hosts.
hadoopuser@172.29.247.62's password:
Welcome to Ubuntu 24.04.2 LTS (GNU/Linux 6.8.0-54-generic x86_64)

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

System information as of Tue Mar 11 04:35:28 AM UTC 2025

System load:  0.2               Processes:    151
Usage of /:   76.0% of 9.74GB   Users logged in: 1
Memory usage: 47%              IPv4 address for enp0s3: 192.168.2.203
Swap usage:  0%

Expanded Security Maintenance for Applications is not enabled.

26 updates can be applied immediately.
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

*** System restart required ***
Last login: Tue Mar 11 04:34:05 2025 from 172.29.50.144
hadoopuser@hadoop-namenode:~$ jps
1699 SecondaryNameNode
1878 ResourceManager
37083 Jps
1455 NameNode
hadoopuser@hadoop-namenode:~$
```

2. Menjalankan 3 perintah dasar

a. hadoop version

```
hadoopuser@hadoop-namenode:~$ hadoop version
Hadoop 3.4.1
Source code repository https://github.com/apache/hadoop.git -r 4d7825309348956336b8f06a08322b78422849b1
Compiled by mthakur on 2024-10-09T14:57Z
Compiled on platform linux-x86_64
Compiled with protoc 3.23.4
From source with checksum 7292fe9dba5e2e44e3a9f763fce3e680
This command was run using /usr/local/hadoop/share/hadoop/common/hadoop-common-3.4.1.jar
```

b. Membuat direktori

```
hadoopuser@hadoop-namenode:~$ hadoop fs -mkdir /SIB-3E/16_RegaDaneWijayanta
```

c. Melihat direktori

```
hadoopuser@hadoop-namenode:~$ hadoop fs -ls /SIB-3E
Found 7 items
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:49 /SIB-3E/03_AgtaFadjrinAminullah
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:48 /SIB-3E/05_Al baniRajataMalik
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:51 /SIB-3E/10_HertinNurhayati
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:47 /SIB-3E/11_HilmyZakyy
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:47 /SIB-3E/12_FikriSetiawan
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:51 /SIB-3E/16_RegaDaneWijayanta
drwxr-xr-x - hadoopuser supergroup 0 2025-03-11 04:46 /SIB-3E/19_ZanuarAldiSyahputra
hadoopuser@hadoop-namenode:~$
```