

LAPORAN
KUIS-1 BIG DATA



Disusun oleh:

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PROGRAM STUDI D-IV SISTEM INFORMASI BISNIS
JURUSAN TEKNOLOGI INFORMASI POLITEKNIK
NEGERI MALANG
2025

- Melakukan pengiriman file dari windows ke VirtualBox

```
hadoopuser@hadoop-narr x + v
Windows PowerShell
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Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS D:\> ls

Directory: D:\

Mode                LastWriteTime         Length Name
----                -
d-----          3/17/2025   6:13 PM             Cisco Packet Tracer 8.2.2
d-----          1/23/2025   9:12 AM             Gambar
d-----          2/24/2025  11:01 AM             KULIAHHH
d-----          7/2/2024   2:53 PM             Latihan_Coding
d-----         10/3/2024   9:35 AM             Pemrograman-Mobile
d-----        11/25/2024  10:27 PM             Pemrograman_Mobile
d-----        11/3/2024   8:52 PM             PowerBI
d-----          9/5/2023   2:39 PM             Prak_ASD
d-----          9/18/2024   8:33 PM             Prak_PBO
d-----          9/12/2023   8:29 AM             PSD
d-----          3/23/2024  11:53 AM             SBP
d-----         10/19/2024  11:12 PM             Sertifikat
d-----         10/23/2024  11:55 AM             SIPASTI_Mobile
d-----          3/23/2024   1:57 PM             SistemBerbasisPengetahuan
d-----          7/4/2023   1:16 PM             Ubuntu
d-----          3/20/2025   8:38 AM             VirtualBoox
d-----          6/14/2024   7:21 AM             XAMPP
-a-----         8/27/2024   2:48 PM      1204595800 android-studio-2024.1.1.12-windows.exe
-a-----         2/13/2023   8:22 AM      234196488 CiscoPacketTracer_820_Windows_64bit.exe
-a-----         2/13/2024   7:50 AM      1804192 Composer-Setup.exe
-a-----         3/18/2024   6:16 PM       12288 DumpStack.log
-a-----          5/7/2024  11:34 PM     109926944 FigmaSetup.exe
-a-----         3/20/2025  12:34 PM         46 FitriaNur.txt
-a-----         8/30/2024   8:15 AM       72204816 Fork-1.99.3.exe
-a-----         8/29/2023   2:14 PM       61185136 Git-2.42.0-64-bit.exe
-a-----         2/20/2025  12:04 AM     4096582694 hadoop-datanode2.7z
-a-----         2/17/2023   7:58 AM     205004856 jdk-8u121-windows-x64.exe
-a-----         2/13/2024   6:00 AM     181328369 laragon-wamp.exe
```

- Cek isi txt sebagai datanode2

```
File Edit View

Nama : Fitria Nur Sholikhah
No : 9
Kelompok 1
```

- Cek apakah file jps sudah berhasil dikirim

```
192.168.164.158 hadoop-namenode
192.168.164.165 hadoop-datanode1
192.168.164.132 hadoop-datanode2
192.168.164.193 hadoop-datanode3

hadoopuser@hadoop-datanode2:~$ jps
1424 NodeManager
1717 Jps
1051 DataNode
hadoopuser@hadoop-datanode2:~$ jps
2000 DataNode
2254 Jps
2142 NodeManager
hadoopuser@hadoop-datanode2:~$ ls
hadoopuser@hadoop-datanode2:~$ ls -la
total 16
drwxr-xr-x 3 hadoopuser hadoopuser 4096 Jan 24 14:58 .
drwxr-xr-x 1 root        root        4096 Jan 24 14:58 ..
-rw-r--r-- 1 hadoopuser hadoopuser  119 Jan 24 14:58 .bash_history
-rw-r--r-- 1 hadoopuser hadoopuser  219 Jan 24 14:58 .bash_logout
-rw-r--r-- 1 hadoopuser hadoopuser  529 Jan 24 14:58 .bashrc
-rw-r--r-- 1 hadoopuser hadoopuser  819 Jan 24 14:58 .cache
-rw-r--r-- 1 hadoopuser hadoopuser  409 Jan 24 14:58 .profile
-rw-r--r-- 1 hadoopuser hadoopuser  119 Jan 24 14:58 .ssh
-rw-r--r-- 1 hadoopuser hadoopuser  119 Jan 24 14:58 .sudo_as_admin_successful
hadoopuser@hadoop-datanode2:~$ _
```

- Pindah file .txt ke hdfs menggunakan perintah “put” dan Mengecek isi file .txt yang telah diupload

```
hadoopuser@hadoop-namr x + v
Expanded Security Maintenance for Applications is not enabled.
84 updates can be applied immediately.
35 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: Thu Mar 20 05:48:51 2025 from 192.168.164.233
hadoopuser@hadoop-namenode:~$ hadoop fs -ls /user
Found 1 items
drwxr-xr-x - hadoopuser supergroup 0 2025-03-20 05:56 /user/hadoopuser
hadoopuser@hadoop-namenode:~$ hadoop fs -ls /user/hadoopuser
Found 2 items
drwxr-xr-x - hadoopuser supergroup 0 2025-03-20 05:59 /user/hadoopuser/03_AgtaFadjrinAminullah_folder
drwxr-xr-x - hadoopuser supergroup 0 2025-03-20 05:39 /user/hadoopuser/19_ZanuarAldiSyahputra
hadoopuser@hadoop-namenode:~$ hadoop fs -mkdir /user/hadoopuser/09_FitriaNurSholikhah_folder
hadoopuser@hadoop-namenode:~$ hadoop fs -put FitriaNur.txt /user/hadoopuser/09_FitriaNurSholikhah_folder
put: 'FitriaNur.txt': No such file or directory
hadoopuser@hadoop-namenode:~$ hadoop fs -put fitria.txt /user/hadoopuser/09_FitriaNurSholikhah_folder
hadoopuser@hadoop-namenode:~$ hadoop fs -ls /user/hadoopuser/09_FitriaNurSholikhah_folder
Found 1 items
-rw-r--r-- 3 hadoopuser supergroup 46 2025-03-20 06:22 /user/hadoopuser/09_FitriaNurSholikhah_folder/fitria.txt
hadoopuser@hadoop-namenode:~$ hadoop fs -cat /user/hadoopuser/09_FitriaNurSholikhah_folder/fitria.txt
Nama : Fitria Nur Sholikhah
No : 9
Kelompok 1hadoopuser@hadoop-namenode:~$ |
```