"Aku lebih menghargai
orang yang **BERADAB**
daripada **BERILMU**.
Kalau hanya berlimu
IBLIS pun lebih tinggi
ilmunya daripada
~~MALAIKAT~~ **MANUSIA**."

Syekh Abdul Qadir Al-Jailani

Outline

- Pengenalan Matakuliah Auditing IT Infrastructures
- Pengantar Audit Infrastruktur IT
- Pengantar Audit
- Pengenalan Infrastruktur IT

Pengenalan Matakuliah Auditing IT Infrastructures

- Deskripsi Matakuliah
  - Nama Matakuliah: Auditing IT Infrastructures
  - Kode Matakuliah: NET17134
  - SKS: 1 (2 Jam)
  - Program Studi: Teknologi Rekayasa Jaringan Komputer
- Tujuan Matakuliah
  - Memberikan pemahaman tentang konsep dan teknik audit infrastruktur IT.
  - Memberikan pemahaman tentang proses audit infrastruktur IT.
  - Memberikan pemahaman tentang analisis dan evaluasi infrastruktur IT.
- Kompetensi yang Harus Dicapai
  - Mampu mengidentifikasi dan menganalisis risiko infrastruktur IT.
  - Mampu melakukan evaluasi dan verifikasi infrastruktur IT.
  - Mampu membuat laporan dan rekomendasi perbaikan infrastruktur IT.

Pengenalan Matakuliah Auditing IT Infrastructures

- Materi Kuliah
  - Pengantar Audit Infrastruktur IT
  - Konsep dan Teori Audit Infrastruktur IT
  - Proses Audit Infrastruktur IT
  - Analisis dan Evaluasi Infrastruktur IT
  - Laporan dan Rekomendasi Perbaikan Infrastruktur IT
- Penilaian
  - Quis (20%)
  - Tugas (20%)
  - Ujian Tengah Semester (25%)
  - Ujian Akhir Semester (35%)
- Referensi
  - *IT Auditing: Using Controls to Protect Insormation Assets 2nd Edition*, Chris Davis dan Mike Schiller, McGraw-Hill, 2011
  - *Cloud Auditing Best Practices 1st Edition*, Shinesa Cambric dan Michael Ratemo, Packt Publishing, 2023
  - Peraturan Pemerintah

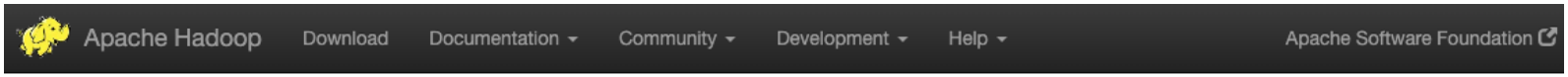
Media yang digunakan selama perkuliahan:

- Komunikasi $\rightsquigarrow$ Discord
- Pembelajaran
  - Materi $\rightsquigarrow$ GitHub
  - Kelas Virtual $\rightsquigarrow$ GitHub
  - Aplikasi $\rightsquigarrow$ LaTeX

(a) Discord

(b) Materi

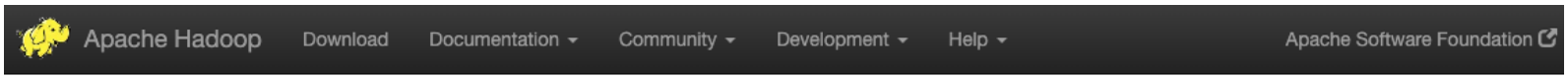
(c) Kelas Virtual



Download

Hadoop is released as source code tarballs with corresponding binary tarballs for convenience. The downloads are distributed via mirror sites and should be checked for tampering using GPG or SHA-512.

Version	Release date	Source download	Binary download	Release notes
3.3.4	2022 Aug 8	source (checksum signature)	binary (checksum signature) binary-aarch64 (checksum signature)	Announcement
3.2.4	2022 Jul 22	source (checksum signature)	binary (checksum signature)	Announcement
2.10.2	2022 May 31	source (checksum signature)	binary (checksum signature)	Announcement



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2.10.2	2022 May 31	source (checksum signature)	binary (checksum signature)	Announcement

Running Hadoop

```
/usr/local/hadoop/bin/hadoop
```

Code

```
1  import numpy as np
2
3  def incmatrix(genl1,genl2):
4      m = len(genl1)
5      n = len(genl2)
6      M = None #to become the incidence matrix
7      VT = np.zeros((n*m,1), int)  #dummy variable
8
9      #compute the bitwise xor matrix
10     M1 = bitxormatrix(genl1)
11     M2 = np.triu(bitxormatrix(genl2),1)
12
13     #compute the bitwise xor matrix
14     M1 = bitxormatrix(genl1)
15     M2 = np.triu(bitxormatrix(genl2),1)
16
17     #compute the bitwise xor matrix
18     M1 = bitxormatrix(genl1)
19     M2 = np.triu(bitxormatrix(genl2),1)
```

Makanan yang sedap ada diruang tamu
Orang yang beradap sudah pasti berilmu