Mata Kuliah
Administrasi Jaringan

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Penilaian

► Absensi : 15 %
► Tugas  : 25 %
► UTS    : 25 %
► UAS    : 35 %
Introduction

Networks are no longer a luxury, but a requirement to keep the organization running.
Who are Responsible

- **Computer Technician**
  - Responsible for setting up and maintaining the users’ computers.
  - Putting the computers together.
  - Adding new hardware: RAM, CD-ROM drive, Monitor, etc.
  - Installing software
  - Setting up accounts, email, and access to servers
  - Troubleshooting

- **Network Technician**
  - Connecting the computers to the network.
  - Setting up any wireless network access.
  - Configure the routers and switches.
    - Basic configurations
    - Security
    - Traffic flow

- **System Administrator**
  - Maintaining the “file servers”, the computers that store the software and data used by everyone.
  - Setting up usernames and passwords for controlling access to the network.
  - Setting up and maintaining the servers that control Email.
  - Keep the computers secure from viruses and hackers.
Sys Admin Handle

**User**
- How many users are there?
- The level of the user's expertise.
- What are the users trying to do?
- Are they responsible or irresponsible?
- Who do the users know?

**Hardware Software**
- How many, how big and how complex?
- Is there a network?
- Are the computers heterogenous or homogenous?
What System Administrator Do?

- ensuring that the computing system runs correctly and as efficiently as possible, and
- ensuring that all users can and do use the computing system to carry out their required work in the easiest and most efficient manner

Conflict

- Management will wish to restrict the amount of money spent on computer systems.
- The users on the other hand will always want more disk space and faster CPUs.
- The System Administrator must attempt to balance these two conflicting aims
Network Administrator Activity

- Fault Management
- device management
- Configuration Management
- performance management
- history management
- Accounting
- security
- Management Scope
- Maintenance and upgrade
- Remote access
What Systems Administrators need to know

- Programming,
  Systems Administrators have to be able to program. They might have to write scripts that automate regular tasks or a Visual Basic program to help users perform certain tasks.

- Hardware maintenance and installation,
  This may range from installing new hardware to cleaning old hardware so that it continues to work.

- Documentation and testing,

- Human Computer Interface,

- Networks and computer communication,

- User education,

- Diplomacy,

- Legal issues and contracts,

- Detective work,

- Management and policy setting, and

- Public relations.
Materi Administrasi Jaringan

- Tugas dan Tanggung Jawab Sistem Administrator
- DHCP Server, Konsep dan Penerapan
- Sharing File, Konsep dan Penerapan
- Domain Controller, Konsep dan Penerapan
- Remote Service, Konsep dan Penerapan
- Internet, Sejarah dan Service yang ada
- DNS, Konsep dan Penerapan
- Webserver, Konsep dan Penerapan
- Mail Server, Konsep dan Penerapan
- Proxy Server, Konsep dan Penerapan
- Log Analysis, Konsep dan Penerapan
- Network Management, Konsep dan Penerapan
- Backup & Recovery
- Wireless Technology, Konsep dan Penerapan
- Keamanan Jaringan, Konsep dan Penerapan