

Mata Kuliah : Konsep Teknologi dan Informasi (Teori)
Kode Mata Kuliah : KKT114134
Jumlah SKS : 4 SKS
Nama Dosen : Transmissia Semiawan
Minggu ke : 1
Tanggal : 14 September 2015
Jadwal : Senin (07.00 – 08.40)

Internet Service Provider

- Faktor yang perlu dipertimbangkan
 1. Cost
 2. Local Access Numbers
 3. Services offered-email,web page hosting,news reading
 4. Reliability
 5. Speed
 6. Support and Customer Service

- ISP Infrastructure

- The Web

Common Communication Protocols TCP/IP and HTML

Special Link(Hyperlink)

Internet= bagian sistem yang mengutamakan infrastruktur hardware

Web=bagian dari sistem yang berisi intelektual properti dalam berbagai format

- Domain Names

- Easy to remember name for internet servers
- Every domain name corresponds to a unique IP Address
- Top Level Domain Names: .gov, .com, .edu, .net
- Subnets and Sub Domains: .

uky.edu

cs.uky.edu

www.cs.uky.edu

ftp.cs.uky.edu

- URL(Uniform Resource Locator)

Protocol,Domain Name,Path

- Navigation the web: Web Browsers
 - Software running locally on your machine
 - Graphical
 - Enables web navigation
 - Popular Browser
- Web Site: Kumpulan webpage(situs)
Web Pages: (HTML Document, Hyperlink)
- The Internet and Copyright
 - All original material on the Net is copyrighted
 - Copyright is violated when you get economic benefit from using the material
 - Plagiarism is different from copyright
- Search Engines
 - Spider or web crawler program scan web pages
 - Information found is entered in their database
 - User enters keyword or phrase in search box browser
 - Results are sent to the client software and displayed
- Evaluation Website
 - Jaringan terjebak oleh website
 - Perhatikan pembuat website dan sponsor
 - Arah isi website
 - Apakah informasinya update
 - Link dapat dijalankan atau tidak
 - Perhatikan hosting domain
- Software Copyright and Licenses
Difference type of software licenses
Where the money come from?
 - Commercial Software - from sale of licenses
 - Shareware - from registrations and ads
 - Freeware - from advertising and spyware
 - Open Source – free labor of volunteers and donations
- Future of The Internet
 - Large Scale Networking (LSN)
 - Internet 2
Project sponsored by universities, government, and industry to develop new internet technologies
Internet 2 backbone supports transmission speeds of 9.6 Gbps
- Internet Access Security
 - “Always on” is security risk - turn the computer off
 - Keep OS and anti-virus software up to date
 - Use firewall software

- Browser security settings
- For LAN use NAT-router Network Address Translation
- Virtual Private Network(VPN)
- Issue:Free Wi-Fi Access
 - Some people offer wireless access for free to the community
 - A good point-people who can't afford to pay for it can use it
 - Broadband providers don't like people giving it away for free
 - A bad point-can be used for illegal activities