Mata Kuliah   : Konsep Teknologi Informasi dan Komunikasi (Teori)
Kode Mata Kuliah   : KKTI4134
Waktu   : Senin (07.00 – 08.40)
Jumlah SKS   : 4 SKS
Nama Dosen   : Transmissia Semiawa
Minggu ke   : 11 (Sebelas)
Tanggal   : 23-11-2015
Judul Materi   : Internet Service Provider

Internet Service Provider (ISP)

- Faktor yang perlu dipertimbangkan
    1. Cost
    2. Local Access Numbers
    3. Servies offered-email,web page hosting,news reading
    4. Reliability
    5. Speed
    6. Support and Costomer Service
- ISP Infrastructure
- The Web
  Common Communication Protocols TCP/IP and HTML
  Special Link(Hyperlink)
  Internet = bagian sistem yang mengutamakan insfrastruktur hardware
  Web = bagian dari sistem yang berisi intelektual properti dalam berbagai format
- Domain Names

    o Easy to remeber name for internet servers
    o Every domain name corresponds to a unique IP Adrress
    o Top Level Domain Names: .gov, .com, .edu, .net
    o Subnets and Sub Domains:
        dika.web.id
        cs.uky.edu
        www,cs,uky,edu
        ftp.cs.uky.edu

- URL(Uniform Resource Locator)
  Protocol,Domain Name,Path

- Navigation the web:Web Browsers

    o Software running locally on your machine
    o Graphical
    o Enables web navigation
    o 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 ih their database
  - User enters keyword or phrase in search box browser
  - Result 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,goverment,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 todate
  - Use firewell 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