

# APLIKASI ICT UNTUK PEMBELAJARAN

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**2009** Dosen FT UNY, Dosen PPs UNY, Ka Puskom UNY

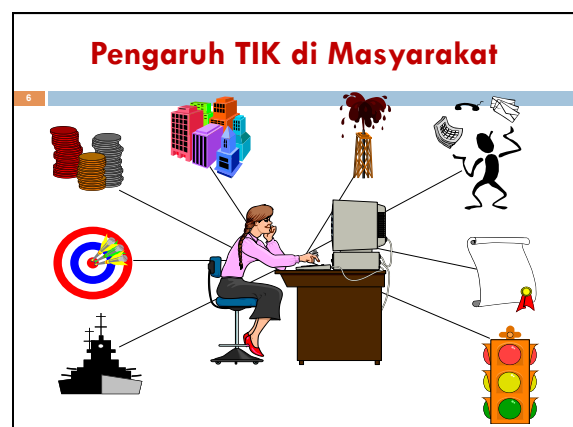
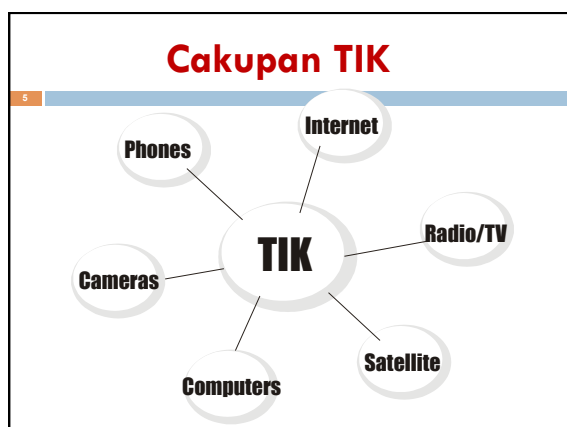
## Outline

- Pengantar ICT/TIK
- Pengantar E-learning
- Menyiapkan Materi E-learning
- Pengembangan E-learning

## PENGANTAR ICT/TIK

## Definisi TIK

- TIK = Teknologi Informasi dan Komunikasi (ICT = *Information and Communication Technology*)
- Teknologi (hardware dan software) yang digunakan untuk membuat, mengakses, memproses, dan mengirim informasi baik berupa teks, suara, gambar atau video (multimedia).
- TIK  $\approx$  Telematika (*telecommunication + informatics*)





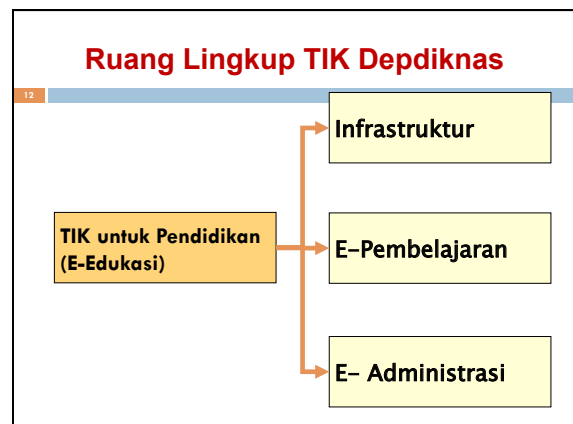
- ### Pemanfaatan ICT dalam Pendidikan (1)
- Produktivitas
    - Pengolah kata, angka, gambar, video, suara, data statistik
    - Perancangan, komputasi, pemrograman
  - Alat bantu pembelajaran
    - CAI/CBL, CBT, CD pembelajaran
    - WBI/WBL, WBT
    - Distance learning
    - E-learning
    - Adaptive e-learning

- ### Pemanfaatan ICT dalam Pendidikan (2)
- Akses Informasi
    - Internet (browsing, email, chatting, dll)
    - Jurnal ilmiah
  - Manajemen pendidikan
    - SI akademik
    - SI sumberdaya
    - SI dana
    - SI fasilitas, dll.

- ### Pemanfaatan ICT dalam Pendidikan (3)
- Penelitian
    - e-survey
    - e-questionnaire
    - analisis data
  - Kerja kolaborasi
    - Wiki
  - Hiburan (entertainment)
    - Games
    - Musik/Video

### Kemampuan (Skill) TIK Dasar

Computer Operations	Application Software	Internet Skills	World Wide Web Skills (www)
Turning a computer on or off.	Creating a word processing document	Using World Wide Web	Using www search engine, e.g. Google or Yahoo
Opening and closing a computer file	Modifying an existing word document	Sending an e-mail message	Using keywords or phrases to search for information using www
Making a back-up copy of a computer file	Printing out a document	Using www for finding specific information	Using more advanced searching techniques than keywords or phrases
Deleting a computer file	Placing an image or a graph into a document	Taking part in an line discussion or chat	Finding useful information www search
Creating a folder or directory	Creating an image or a graph using a computer	Sending an attachment with an e-mail	Using information from the www in projects or assignments
Copying a file from one disk to another	Using an extended word processing feature such as table, equation, etc.	Downloading a file from the Internet or www	Copying and pasting information from searches into personal documents
Connecting to the Internet from a remote computer from home	Creating a graph using a spreadsheet package such as Excel	Saving an Image or a graphic from a www page	Using a bookmark to record a useful www address
Installing a program onto the computer, eg. MS office	Making a multimedia presentation, eg. PowerPoint	Creating a www page	Using a known www address to find useful information



## Jabaran TIK Depdiknas

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- Akses -> Infrastruktur & Jaringan
  - Pengembangan Jardiknas
  - Pengembangan penyiaran dan perangkat penangkap siaran TVE
- Mutu, relevansi & daya saing -> Sistem & Aplikasi E-pembelajaran
  - TV Edukasi
  - Buku Sekolah Elektronik (e-book)
  - E-learning
  - E-bursa
  - E-learning material (dari komunitas)
- Tatakelola, akuntabilitas & pencitraan publik
  - Data Induk Siswa-Guru-Sekolah
  - Pangkalan Data
  - Decision Support System

## PROGRAM PRIORITAS 2009

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1. **Penuntasan Wajar Dikdas 9 Tahun:**
  - ▶ Optimalisasi pemanfaatan Jardiknas
2. **Peningkatan Aksesibilitas, Mutu, Daya Saing, dan Relevansi Pendidikan Menengah**
  - ▶ Pembangunan perpustakaan, laboratorium, workshop, dan pusat sumber belajar berbasis TIK di SMA/SMK
  - ▶ Penerapan e-pembelajaran di SMA/SMK
3. **Peningkatan Aksesibilitas, Mutu, Daya Saing, dan Relevansi Pendidikan Tinggi:**
  - ▶ Penerapan e-pembelajaran di PT

## Etika Pemanfaatan TIK

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- Privasi Username dan Password
- Pornografi
- Hak Cipta dan Plagiat
- Etika Penggunaan Komputer Umum (Lab, warnet, Perpustakaan)
- Sekilas tentang:
  - Hacking/Cybercrime
  - UU ITE (UU tentang Informasi dan Transaksi Elektronik)
  - Virus



## Blog

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ICT for EDUCATION  
An unofficial site for expressing thoughts, experiences or just trivial writings

Home About Me

Sosialisasi instrumen buku teks pelajaran TIK

Sebagai anggota tim ahli pengembangan instrumen buku teks pelajaran TIK untuk SMP dan SMA yang membantu BSIP, saya bersama teman-teman mensosialisasikan instrumen tersebut ke guru-guru SMP/ SMA di dua propinsi. Pertama, di propinsi Suisel bertempat di LPHP Suisel Nekassar pada tanggal 20 Oktober 2008. Kedua, di propinsi Jatim bertempat di LPHP Jatim Surabaya pada tanggal 3 November 2008.

Jadi, dalam rangka memenuhi ketersediaan buku teks

RSS Subscription  
Jajaks  
Herman's Facebook  
Herman's Website  
Recent Comments  
miciparisi on Sosialisasi instrumen buku teks pelajaran TIK

## Personal Website

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Qualifications:

- Research: Adaptive hypermedia, E-learning, Hypermedia system, Web-based instruction, Computer-assisted instruction, Information system
- Teaching: Algorithm and Data Structures, Computer Programming, Multimedia Learning

Where do you want to go .....(choose one)

I developed an e-learning portal based on LMS of Moodle at <http://jshlearning.org>. Everybody can make courses of his/her own in this portal for free.

Having fulfilled the conditions