

# WAWASAN TIK UNTUK PENDIDIK

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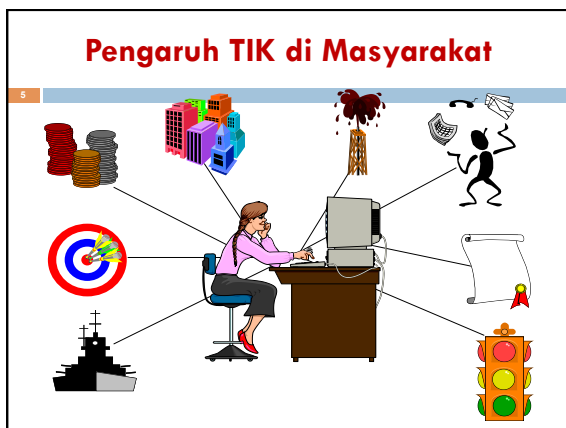
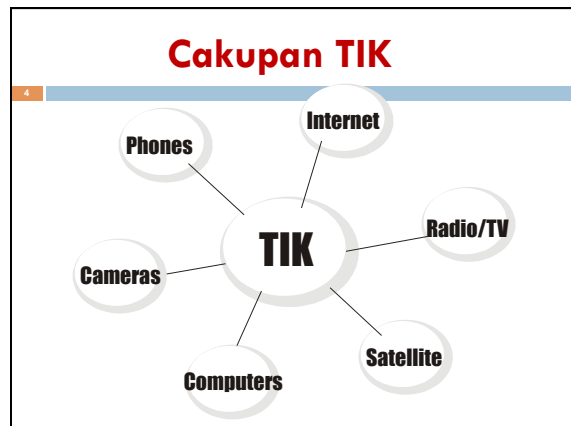
2 Juni 2009    Dosen FT UNY, Dosen PPs UNY, Ka Puskom UNY

## Outline

- Potensi TIK dalam Pendidikan
- Tingkatan Kompetensi TIK
- Kemampuan (skill) TIK Dasar
- Ruang lingkup TIK Depdiknas
- Jabaran TIK Depdiknas
- Etika Pemanfaatan 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 ≈ Telematika (*telecommunication + informatics*)



### Pemanfaatan ICT dalam Pendidikan (1)

- 7
- 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)

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- Akses Informasi
  - Internet (browsing, email, chatting, dll)
  - Jurnal ilmiah
- Manajemen pendidikan
  - SI akademik
  - SI sumberdaya
  - SI dana
  - SI fasilitas, dll.

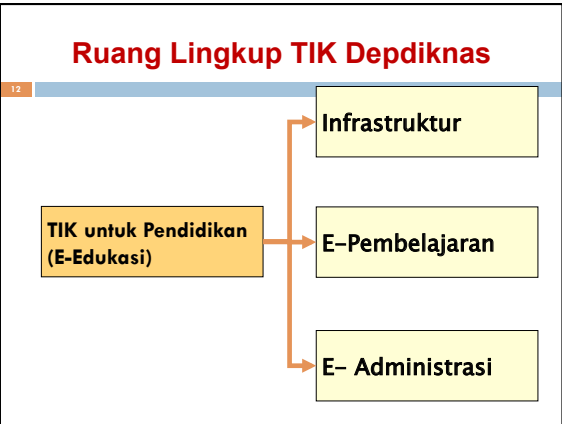
### Pemanfaatan ICT dalam Pendidikan (3)

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- 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 Makassar 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

