

PTI – Pertemuan 14

# Etika dan Dampak Sosial TI



**P r a j a n t o   W a h y u   A d i**

prajanto@dsn.dinus.ac.id

+6285 641 73 00 22

# Rencana Kegiatan Perkuliahan Semester

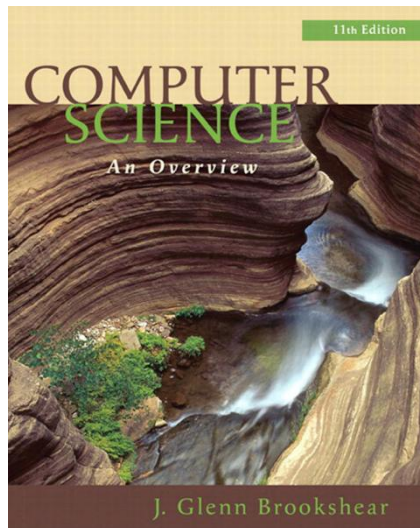
#	Pokok Bahasan
<del>1</del>	<del>Pengenalan TI</del>
<del>2</del>	<del>Konsep Sistem Komputer</del>
<del>3</del>	<del>Pengenalan Perangkat Keras</del>
<del>4</del>	<del>Data Storage</del>
<del>5</del>	<del>Perangkat Lunak</del>
<del>6</del>	
<del>7</del>	<del>Data dan Informasi</del>
8	Ujian Tengah Semester

#	Pokok Bahasan
<del>9</del>	<del>Komputasi dan</del>
<del>10</del>	<del>Pemrograman</del>
<del>11</del>	<del>Rekayasa Perangkat Lunak (Software Engineering)</del>
<del>12</del>	<del>Komunikasi data</del>
<del>13</del>	<del>Jaringan Komputer</del>
<b>14</b>	<b>Etika dan Dampak Sosial TI</b>
15	Teknologi Terkini
16	Ujian Akhir Semester

# Referensi



- Brian K. Williams – **Using Information Technology** : A Practical Introduction to Computers and Communications 9th Edition (2010)



- J. Glenn Brookshear - **Computer Science** : An Overview 11th Edition (2011)

# Konten

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- Keamanan

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- Lingkungan

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- Mental

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- Perlindungan Anak

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- Tempat Kerja

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- Isu Politik dan Ekonomi

# Keamanan

Keamanan ada sebuah sistem yang dapat menjaga teknologi informasi terhadap:

- Bencana Alam
- Kegagalan Sistem
- Akses Ilegal



# Keamanan

## 5 komponen keamanan:

- Pencegahan kejahatan komputer
- Identifikasi dan Akses
- Eknkripsi
- Perlindungan perangkat lunak dan data
- Rencana penanggulangan bencana



# Lingkungan

## Masalah Lingkungan yang muncul karena TI

- Manufaktur dan Penggunaan Produk
- Pembuangan Produk Sampingan
- Environmental Blight



# Lingkungan

## Masalah Lingkungan yang muncul karena TI

Chemical	Source
<i>Lead</i>	<ul style="list-style-type: none"><li>• Cathode-ray tubes (CRTs) in amounts of 4–8 pounds. Also found in solder in circuit boards. Discarded electronics account for 30–40% of lead in the waste stream.</li></ul>
<i>Cadmium</i>	<ul style="list-style-type: none"><li>• Circuit boards, semiconductors. More than 2 million pounds estimated to exist in discarded computers in 2005.</li></ul>
<i>Mercury</i>	<ul style="list-style-type: none"><li>• Switches, batteries, fluorescent bulbs in liquid-crystal displays. By 2005, 400,000 pounds discarded.</li></ul>
<i>Chromium</i>	<ul style="list-style-type: none"><li>• Circuit boards, corrosion protection in steel. By 2005, 1.2 million pounds discarded.</li></ul>
<i>PVC (polyvinyl chloride) plastics</i>	<ul style="list-style-type: none"><li>• Connectors, cables, housings, plastic covers; about 250 million pounds discarded each year.</li></ul>
<i>Brominated flame retardants</i>	<ul style="list-style-type: none"><li>• Printed circuit boards, connectors, plastic covers, cables.</li></ul>



# Mental

## Masalah Mental yang muncul karena TI

- Isolasi Sosial
- Perjudian
- Tekanan (Stress)



# Perlindungan Anak

## Masalah Perlindungan Anak yang muncul karena TI

- Pornografi

- **EC (Early Childhood):** Ages 3 and older. Contains no inappropriate material.
- **E (Everyone):** Ages 6 and older. May contain minimal or mild violence and/or infrequent mild language.
- **EIO+ (Everyone 10 and older):** May contain more mild violence, mild language, and/or minimal suggestive themes.
- **T (Teen):** Ages 13 and older. May contain violence, suggestive themes, crude humor, minimal blood, and/or infrequent use of strong language.
- **M (Mature):** Ages 17 and older. May contain intense violence, blood and gore, sexual content, and/or strong language.
- **AO (Adults Only):** Ages 18 and over. May contain prolonged scenes of intense violence and/or graphic sexual content and nudity.
- **RP (Rating Pending):** Means game has been submitted to ERSB and is awaiting rating (used in advertising prior to game's release).

# Perlindungan Anak

## Masalah Perlindungan Anak yang muncul karena TI

- Pornografi
- Pelecehan Online
- Cyberbullying

### CyberbullyNOT

#### Online Social Aggression

Cyberbullies use the Internet or cell phones to send hurtful messages or post information to damage people's reputation and friendships.

#### Don't Put Yourself at Risk

- Don't post or send information others could use against you.
- Watch out for how you are communicating. Be careful not to insult others.
- Don't hang around places where people treat you badly.

#### If You Are Cyberbullied

- DON'T RETALIATE! This only gives the cyberbully a "win" and could make other people think you are part of the problem.
- Save the evidence and try to figure out who the cyberbully is.
- Decide whether you can handle the situation by yourself or should tell an adult. But if what you try does not work, be sure to get help from an adult.
- Depending on how bad the cyberbullying is, the steps you or a parent can take include (you will need your parent's help for some of these steps):
  - Calmly and strongly tell the cyberbully to stop and to remove any harmful material or you will take further action.
  - Ignore or block the communications.
  - Send the material the cyberbully has posted to his or her parents and tell them to make it stop.
  - File a complaint with the Web site, ISP, or cell phone company.
  - Get help from your school counselor, principal, or resource officer.
  - Contact an attorney.
  - Contact the police if the cyberbullying includes any threats.

#### Friends Don't Let Friends Get Hurt Online

- If you see that someone is being cyberbullied:
  - Tell the cyberbully to stop.
  - Help the person being cyberbullied.
  - Tell a trusted adult.

#### Don't Be a Cyberbully

- It's not "cool"— it's cruel.

More info: <http://cyberbully.org>

# Tempat Kerja

## **Masalah di Tempat Kerja yang muncul karena TI**

- Penyalahgunaan Teknologi
- Meributkan diri (fussing) dengan komputer
- Informasi yang berlebihan

# Isu Politik dan Ekonomi

- Seberapa besar pengaruh teknologi terhadap kesenjangan si miskin dan si kaya?
- Teknologi, si pembunuh pekerjaan ?
- Sesungguhnya Internet itu melayani siapa?
- Dapatkah pemerintah mengendalikan akses internet?
- Siapa saja yang dapat bertahan terhadap pesatnya perkembangan TI?

**Sekian**

**TERIMA KASIH**